



HOW TO USE THIS INSTALL GUIDE

- 1** Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
- 2** Print only the pages for your vehicle using the advanced options in the Print menu.
- 3** Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or “quick printing” this document will print all of the guides in this compilation.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

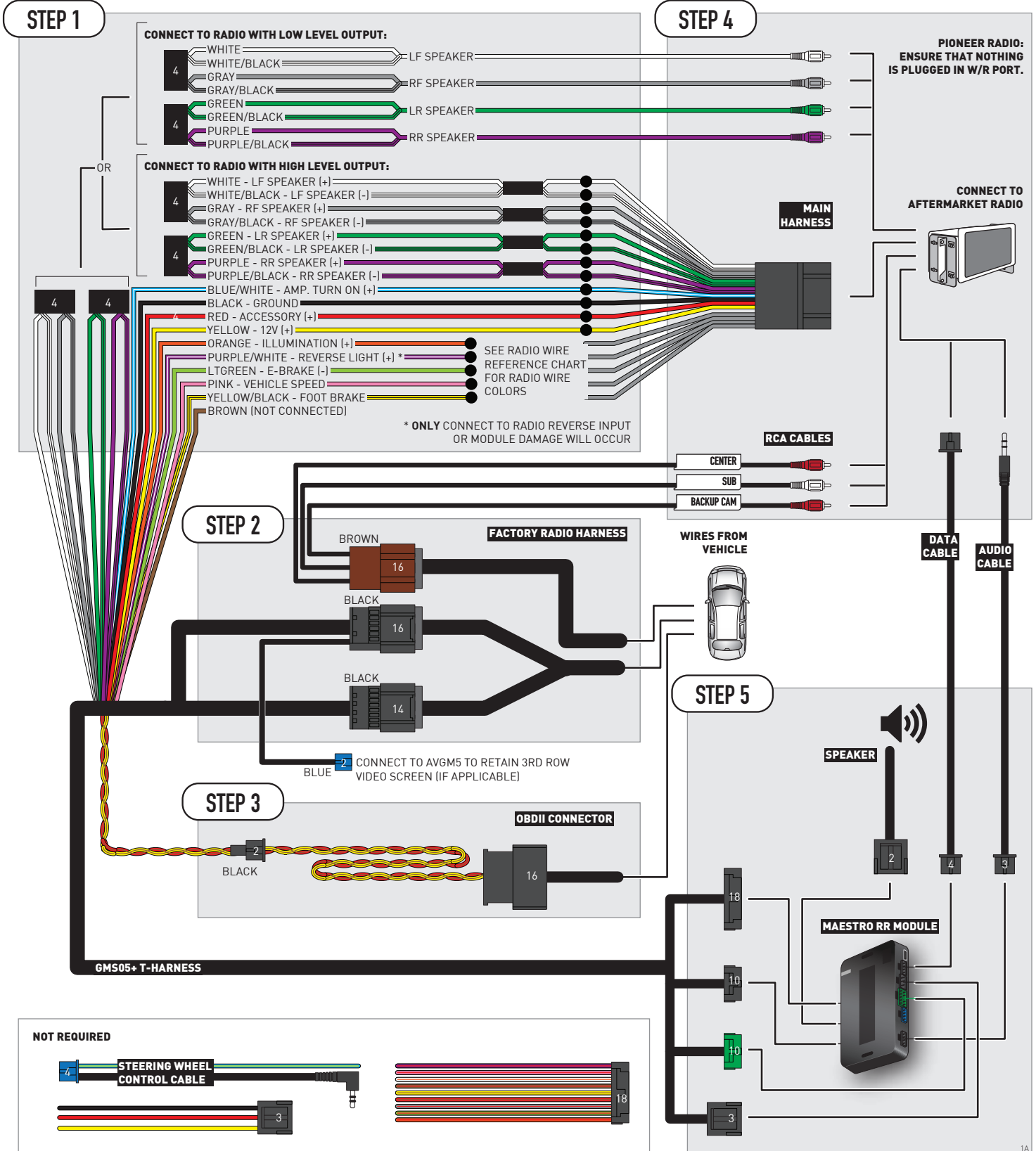
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

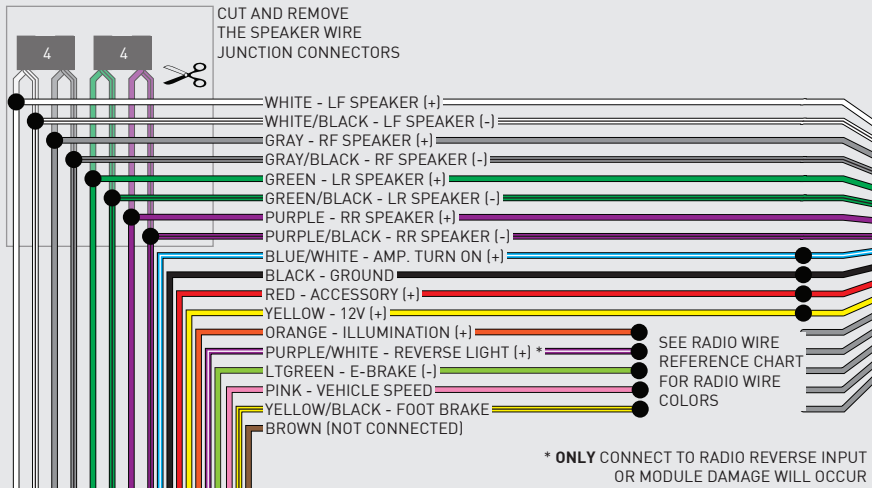
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

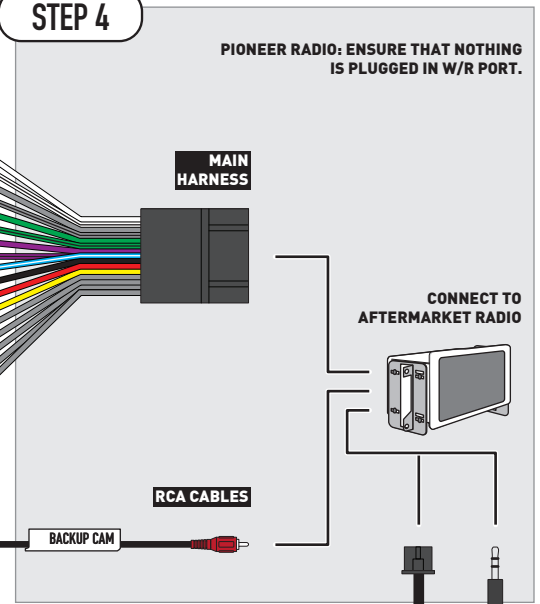


WIRING DIAGRAM *without an Amplifier*

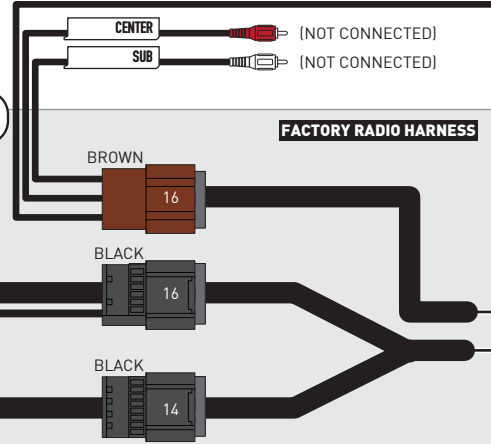
STEP 1



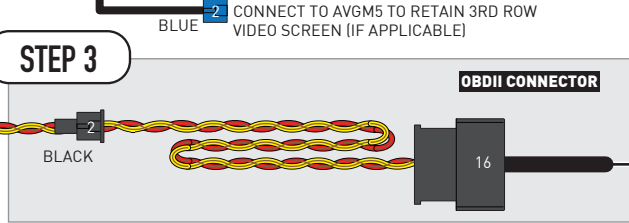
STEP 4



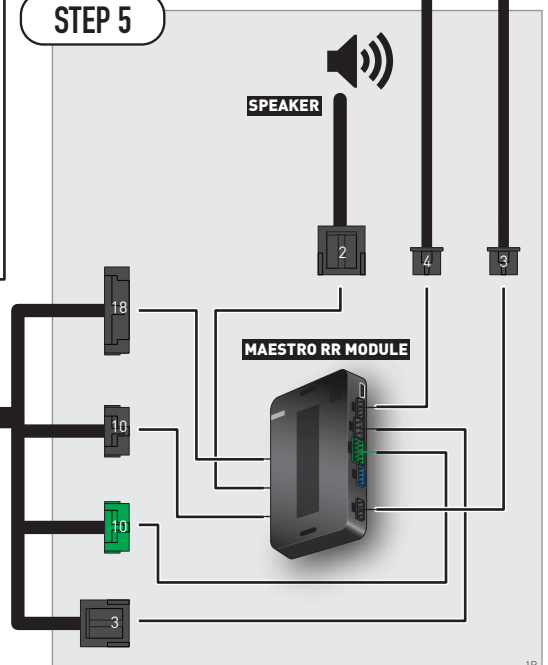
STEP 2



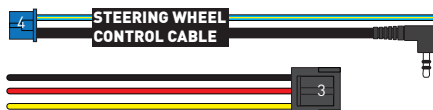
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

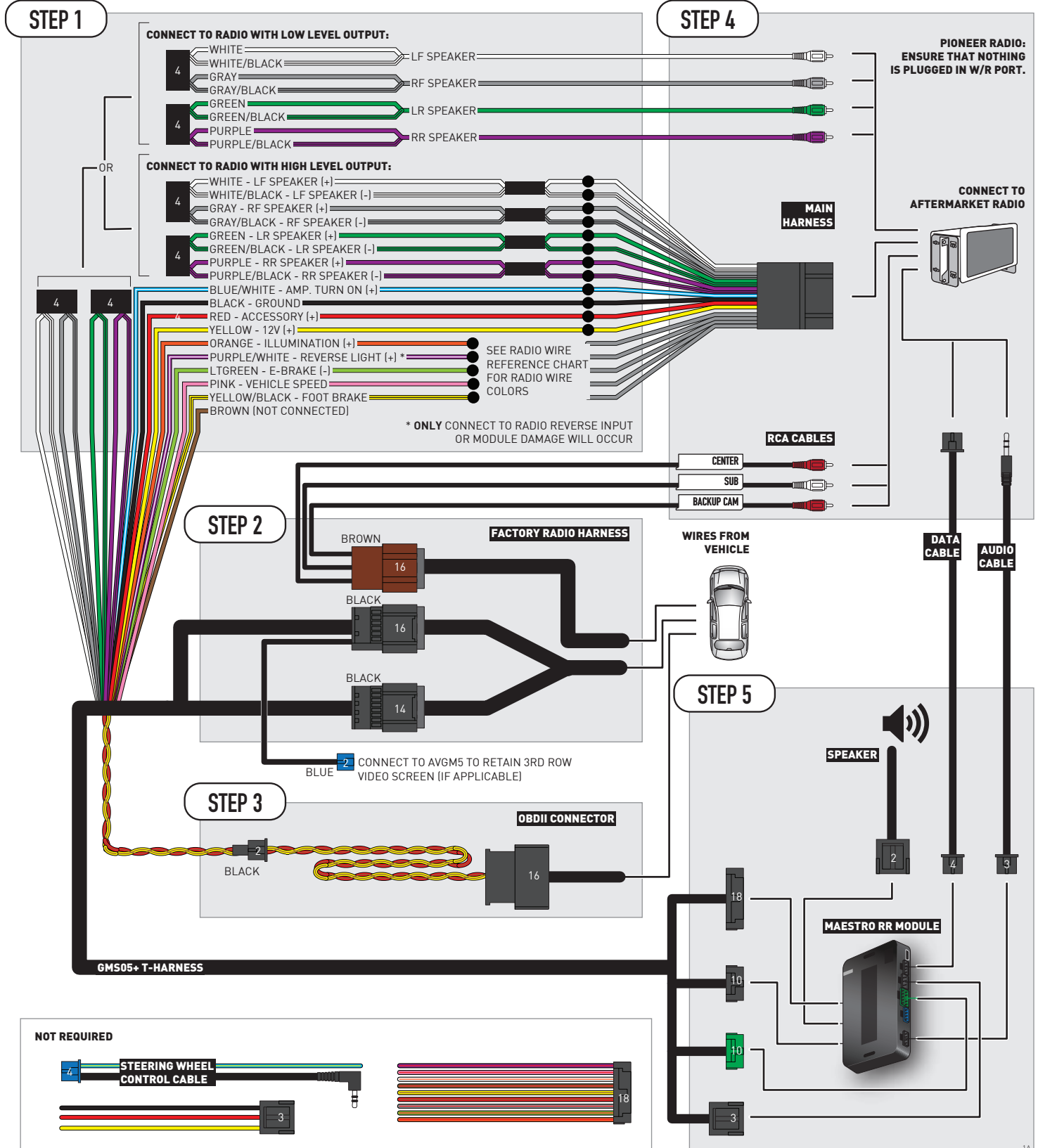
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

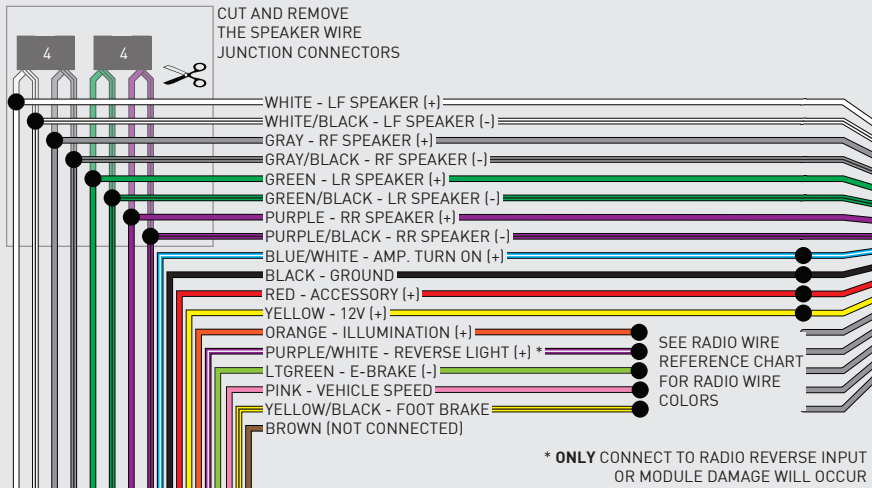
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

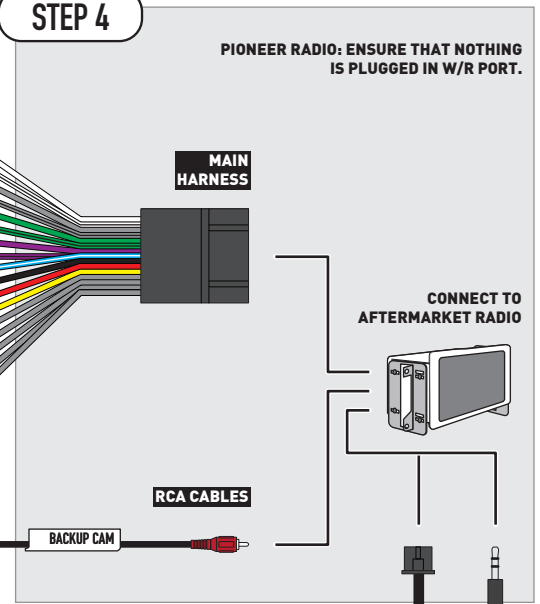


WIRING DIAGRAM *without an Amplifier*

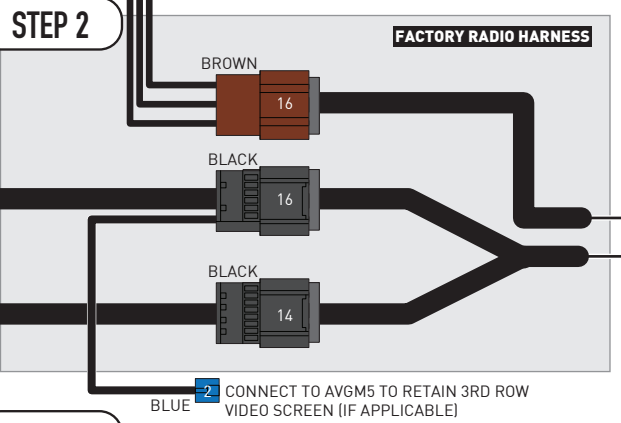
STEP 1



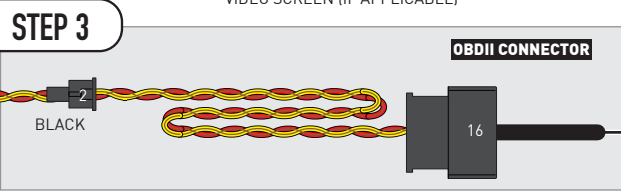
STEP 4



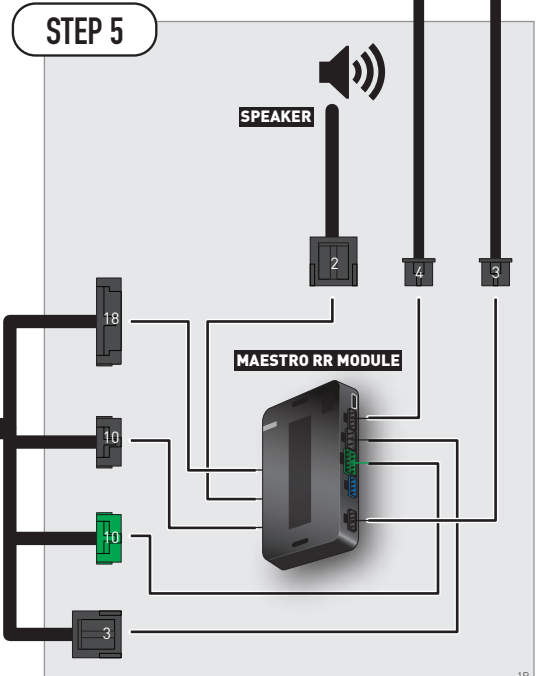
STEP 2



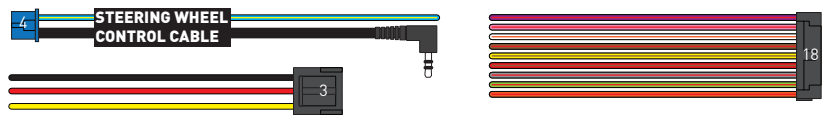
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

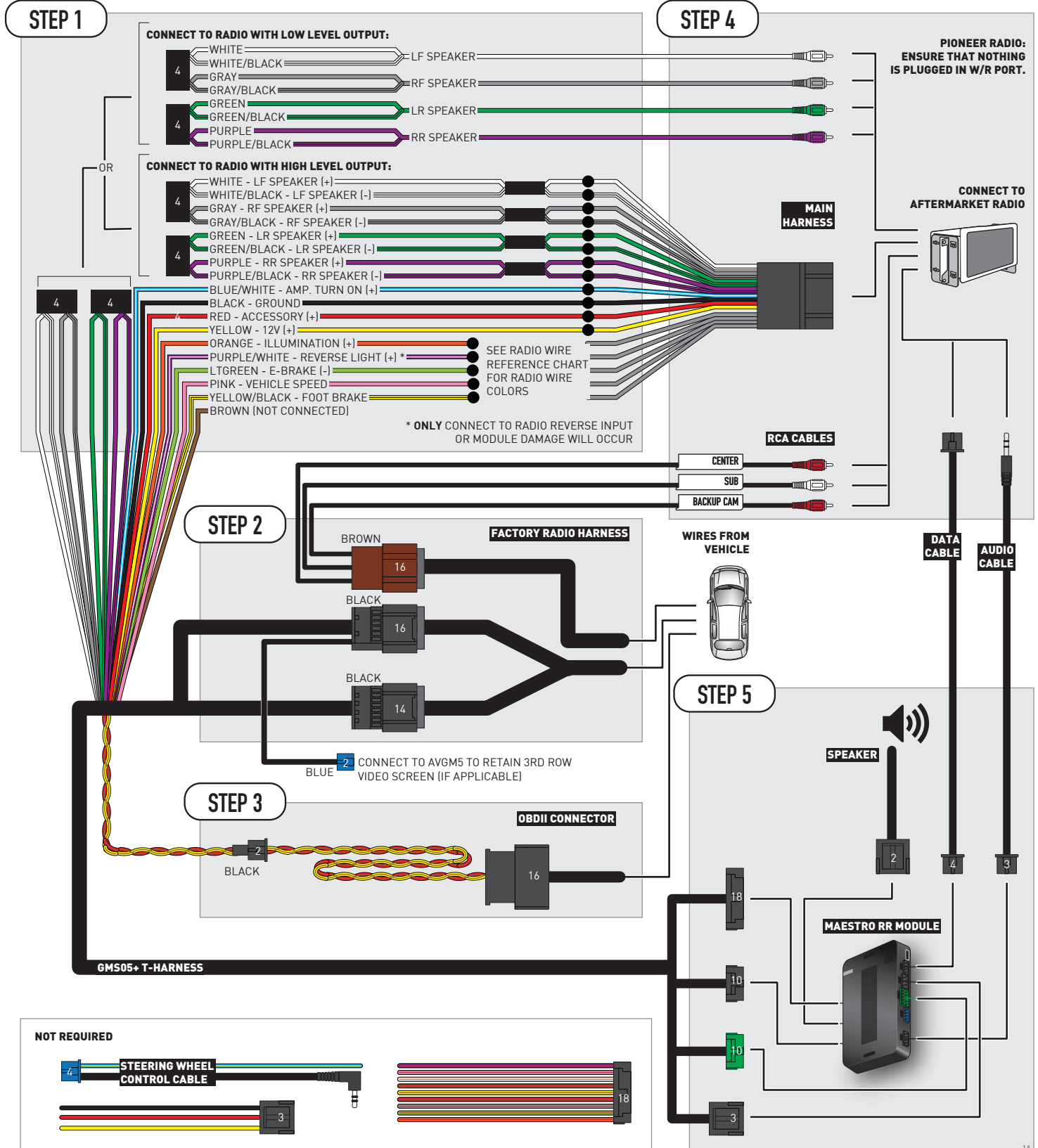
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

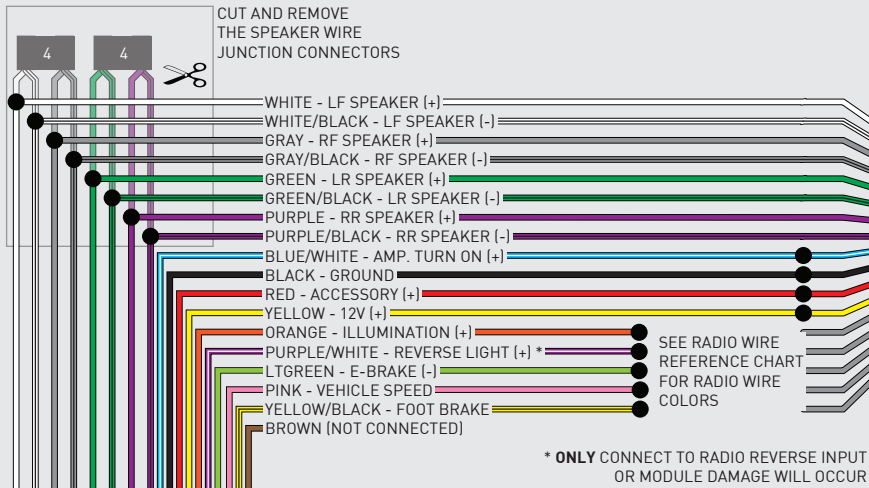
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

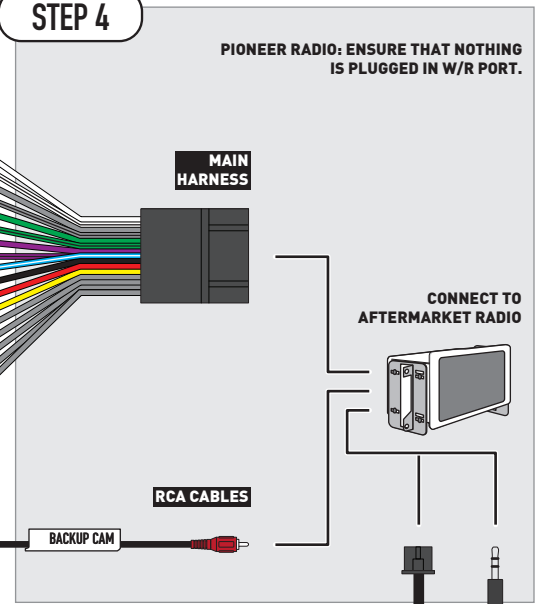


WIRING DIAGRAM *without an Amplifier*

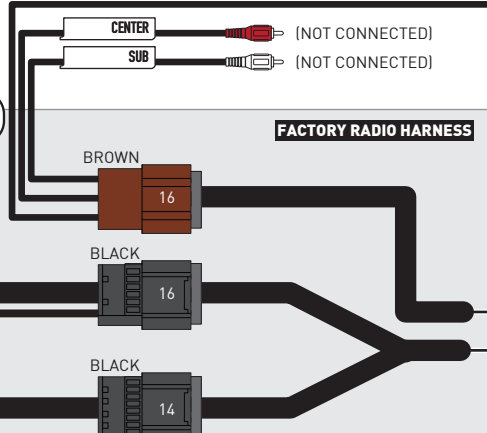
STEP 1



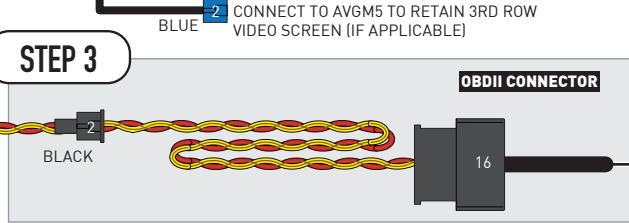
STEP 4



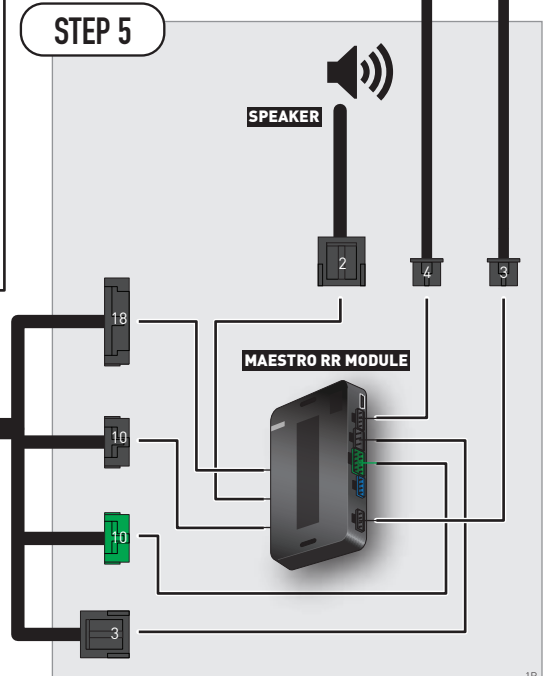
STEP 2



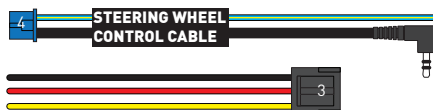
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1/2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

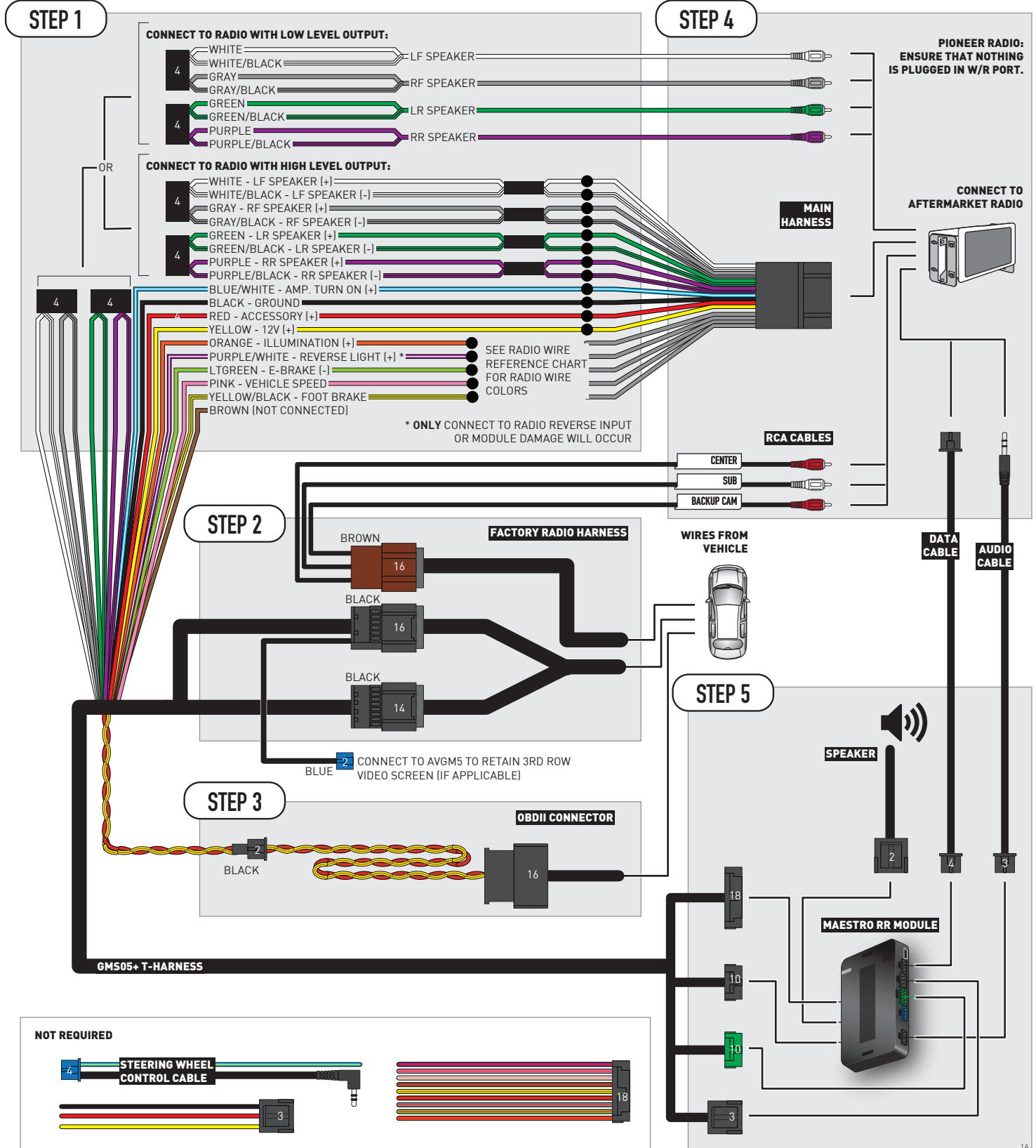
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

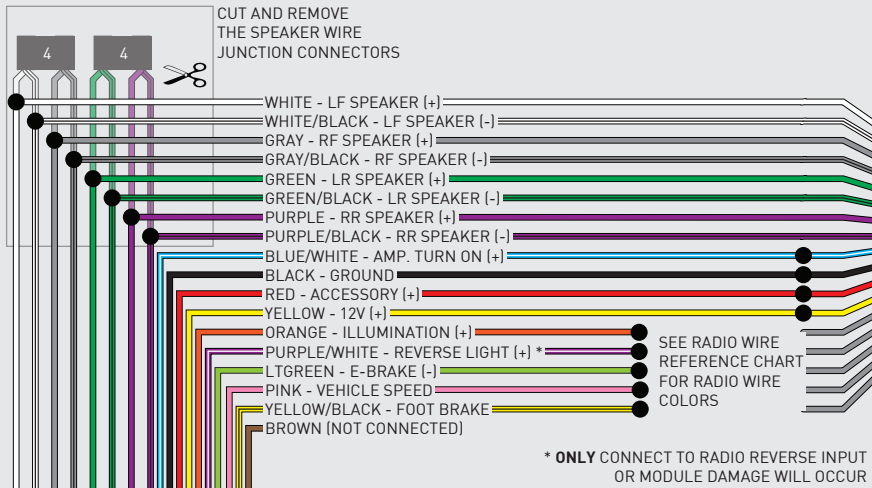
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

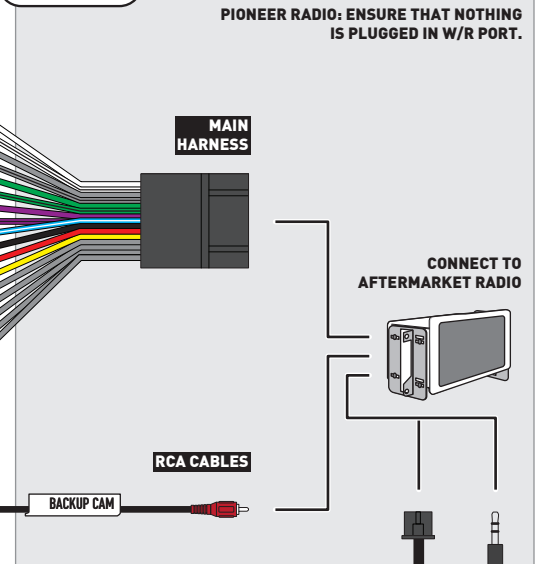


WIRING DIAGRAM *without an Amplifier*

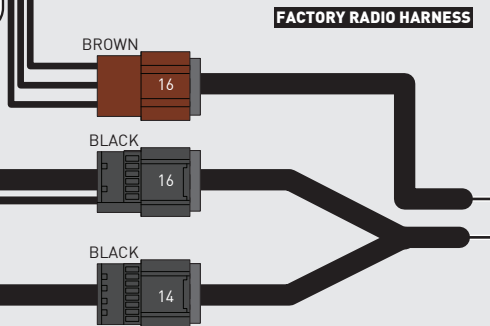
STEP 1



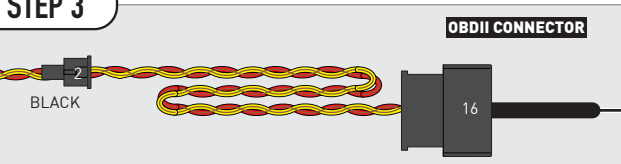
STEP 4



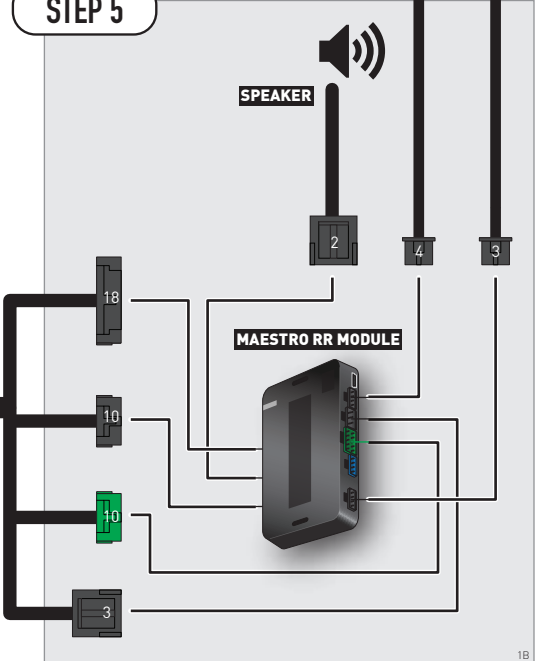
STEP 2



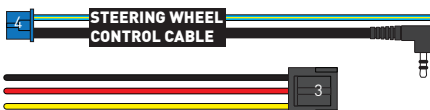
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE		
2GCEK19N031344764				143 5 FXWH2Q				CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U		
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07		
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34		
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS		
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1		
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9		
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692		
7YT												
BC/CC	U	8555				692						

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

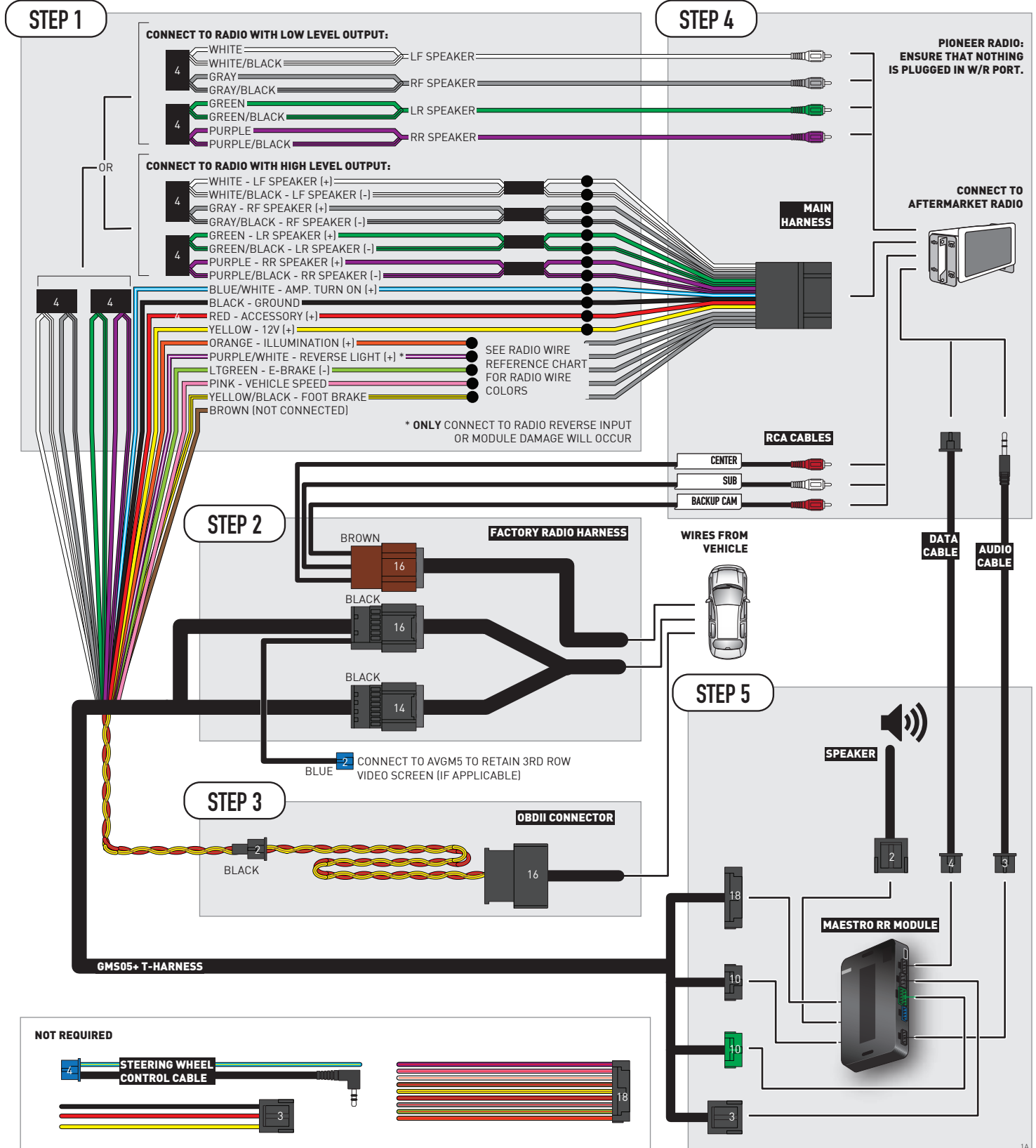
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

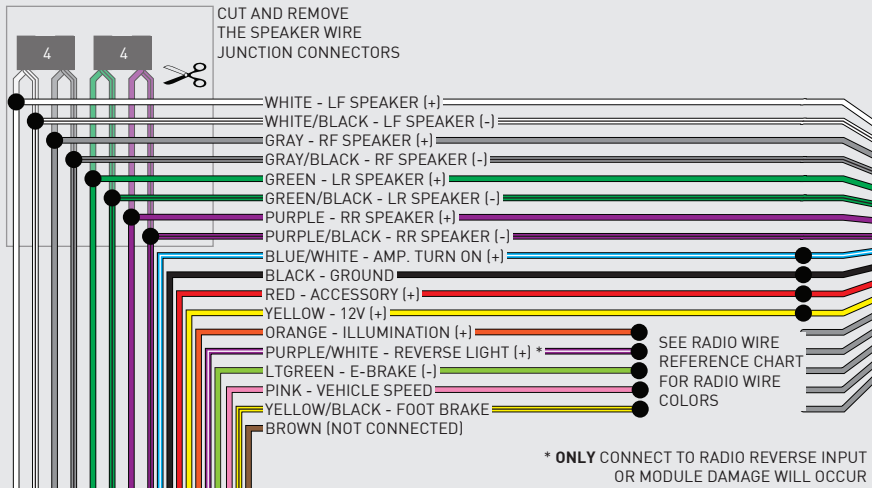
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

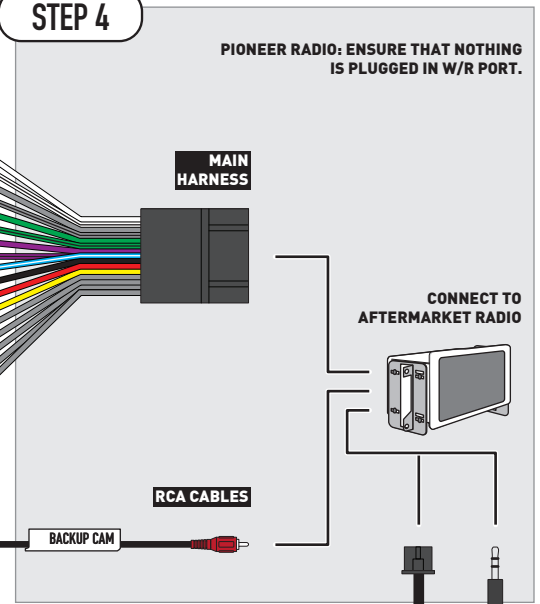


WIRING DIAGRAM *without an Amplifier*

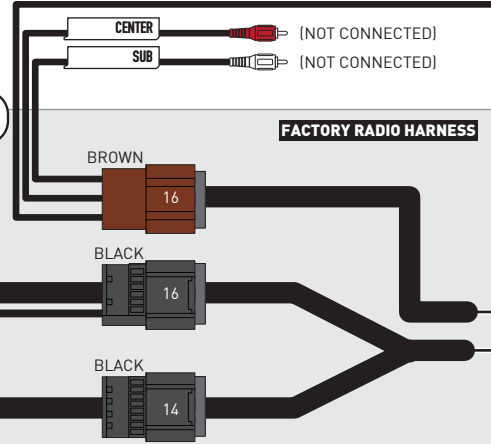
STEP 1



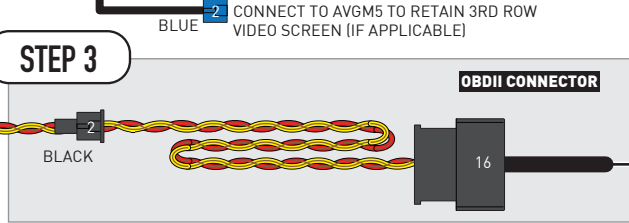
STEP 4



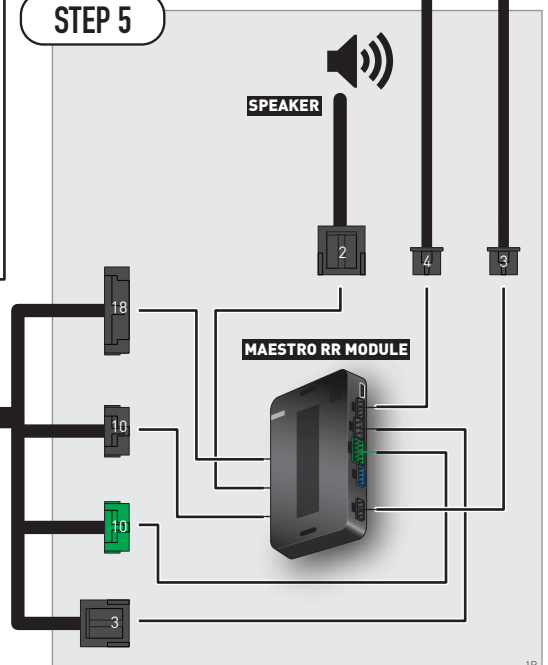
STEP 2



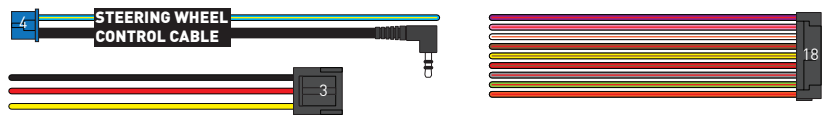
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

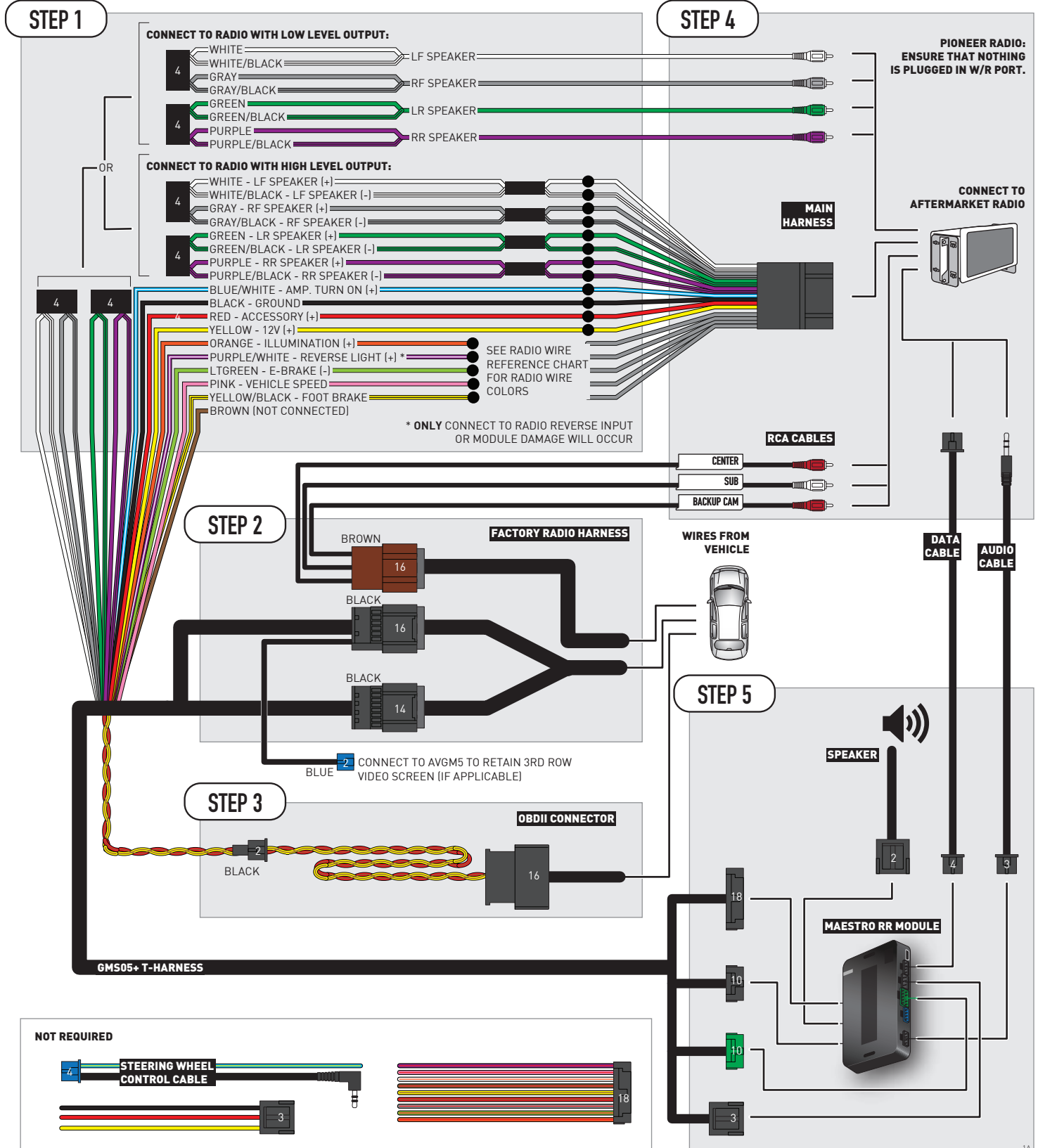
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

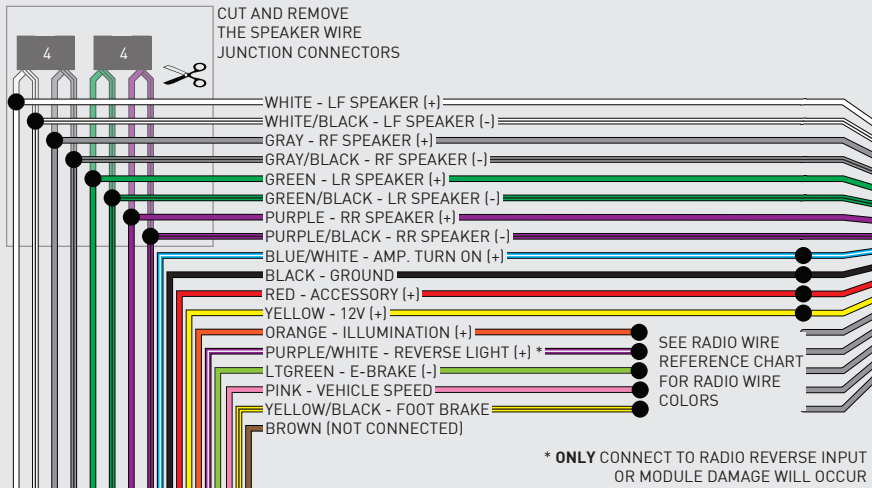
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

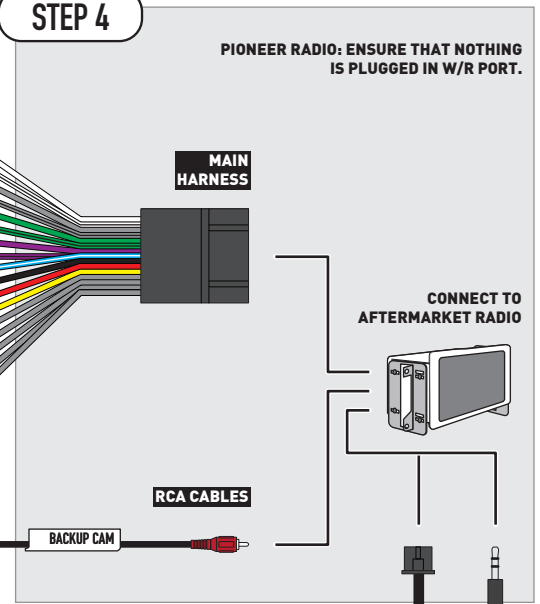


WIRING DIAGRAM *without an Amplifier*

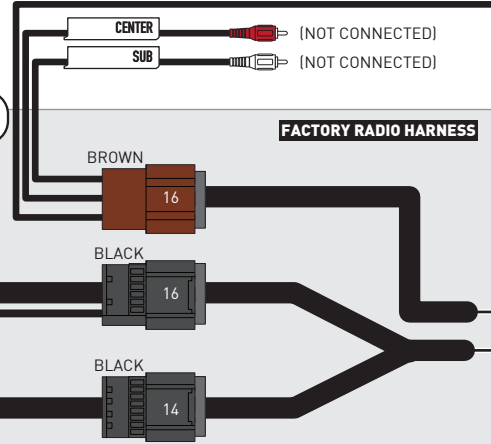
STEP 1



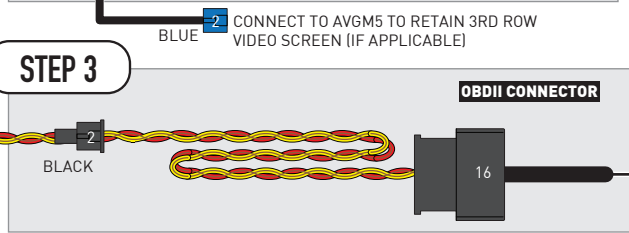
STEP 4



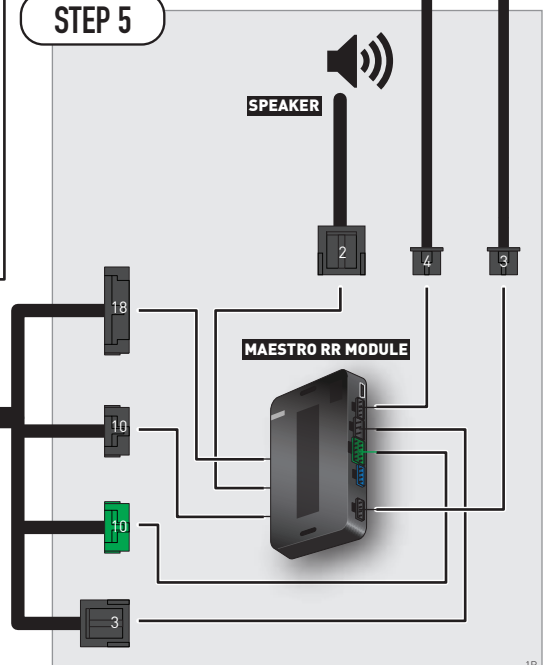
STEP 2



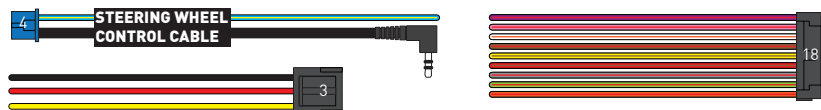
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

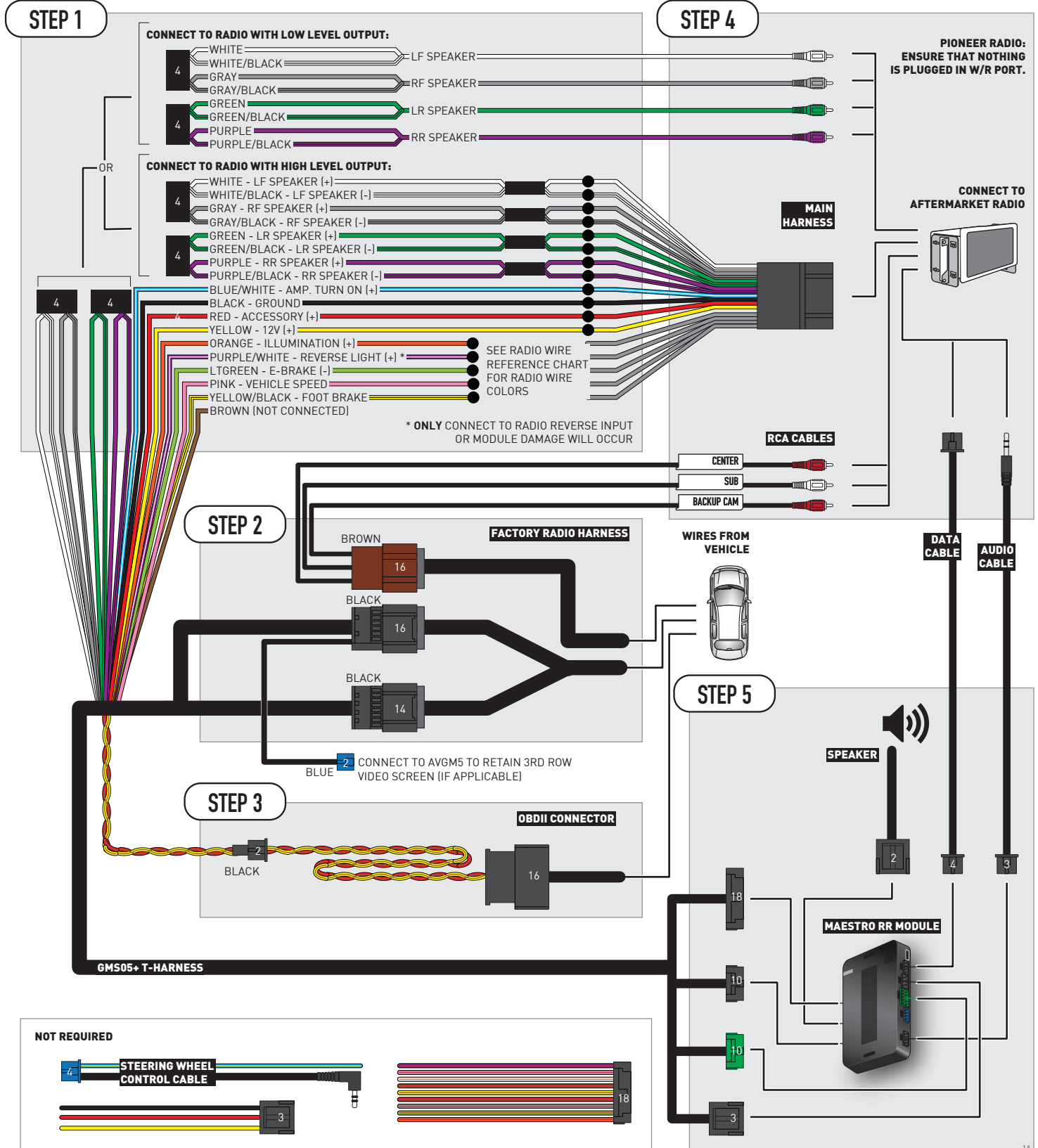
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

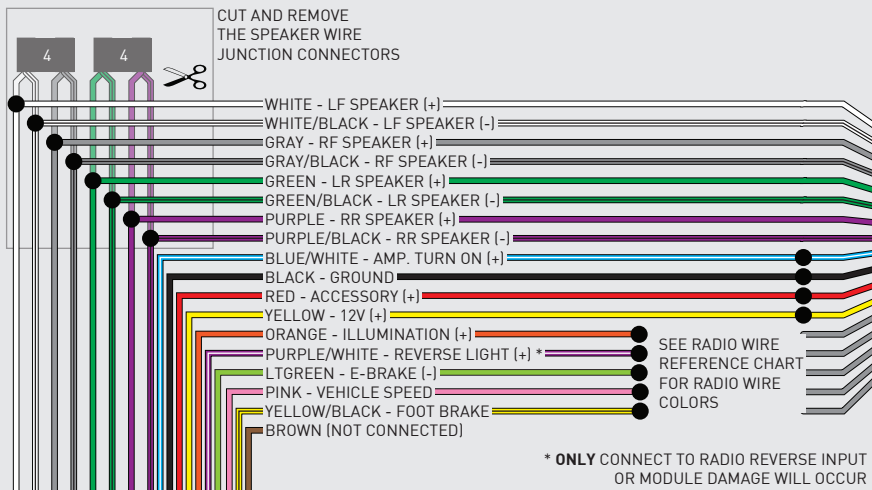
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

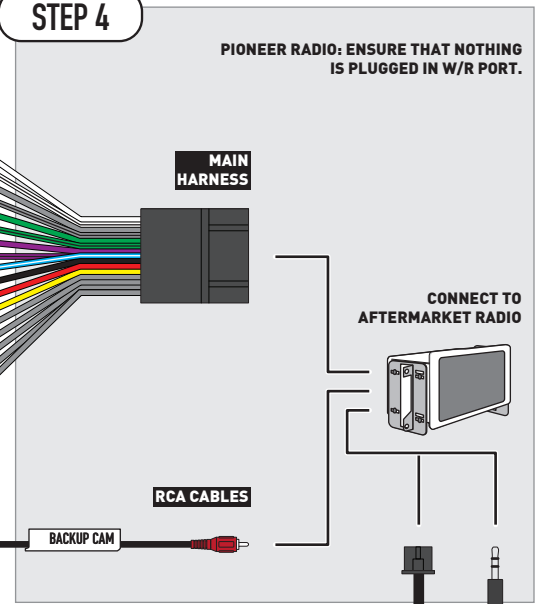


WIRING DIAGRAM *without an Amplifier*

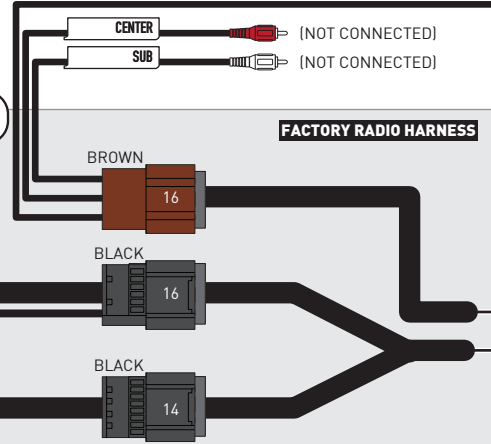
STEP 1



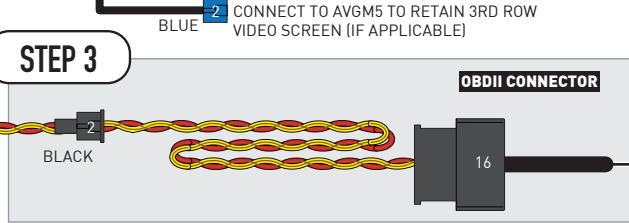
STEP 4



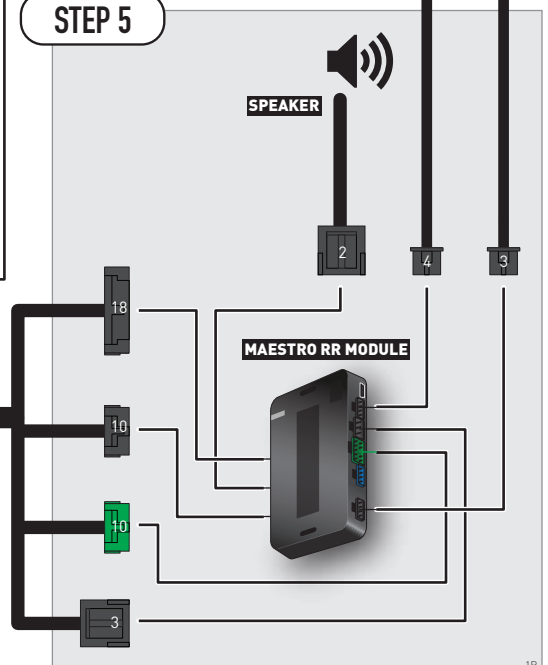
STEP 2



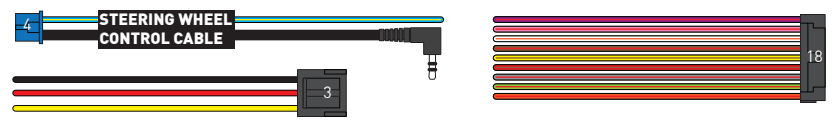
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

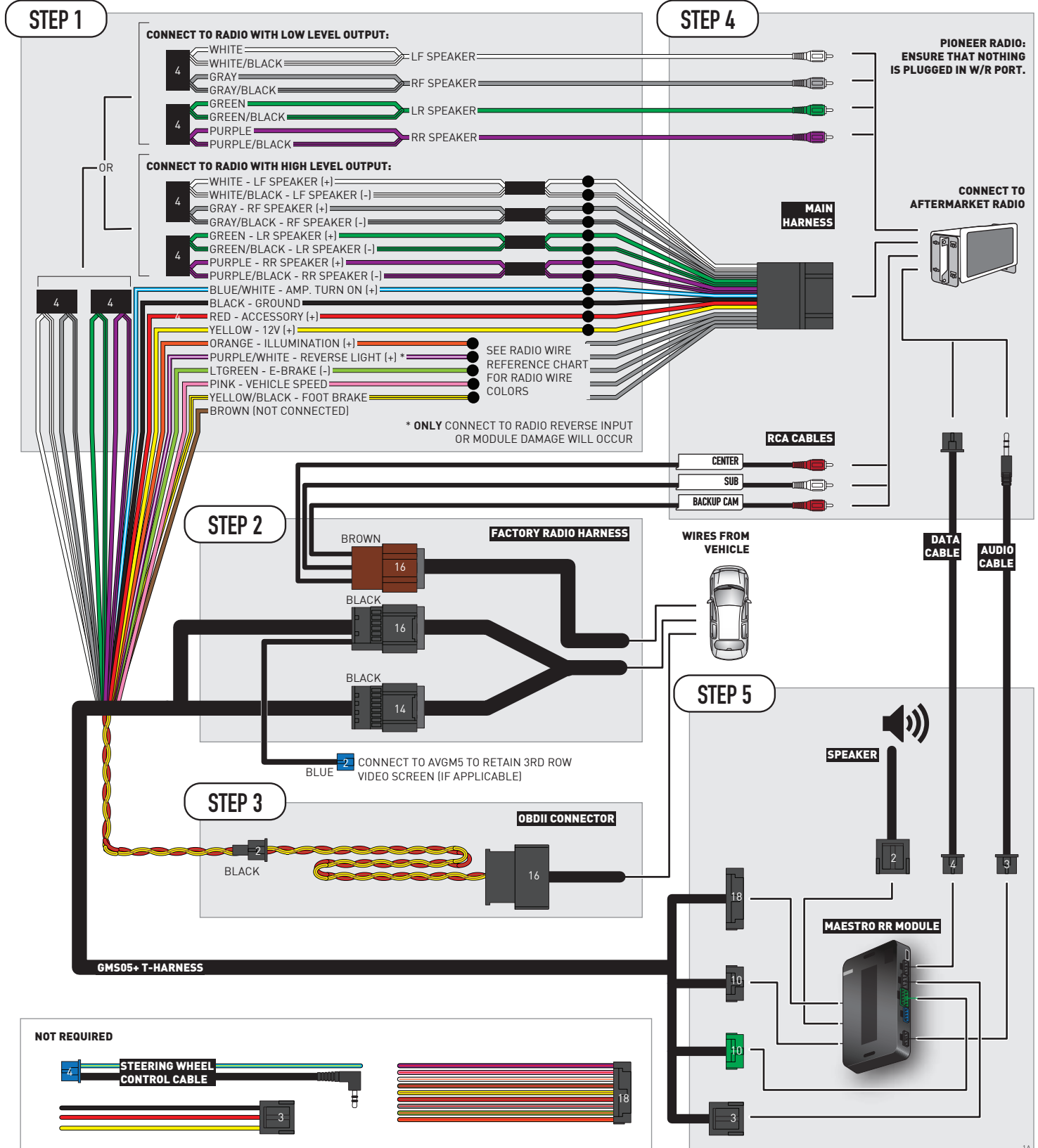
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

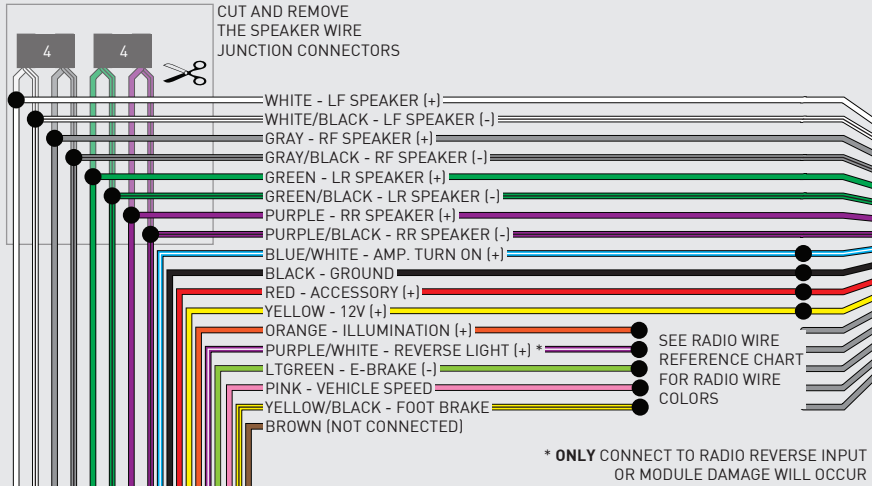
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

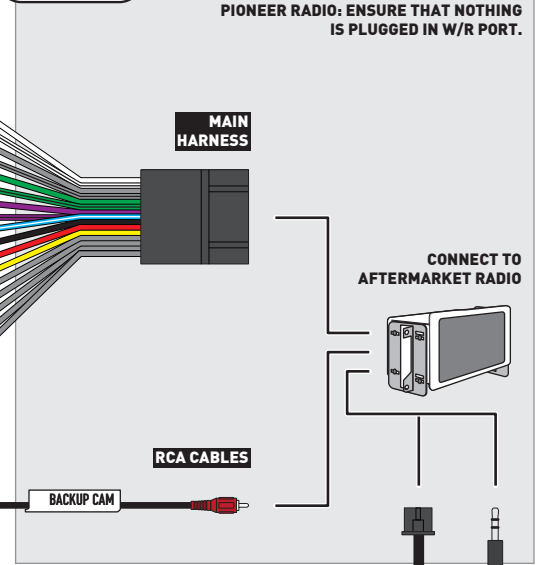


WIRING DIAGRAM *without an Amplifier*

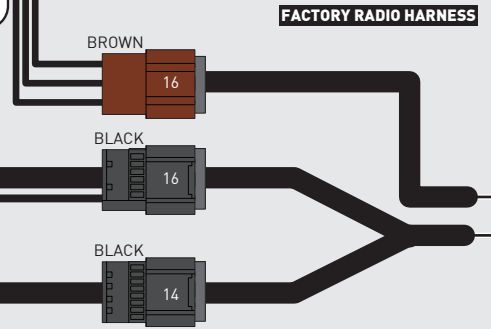
STEP 1



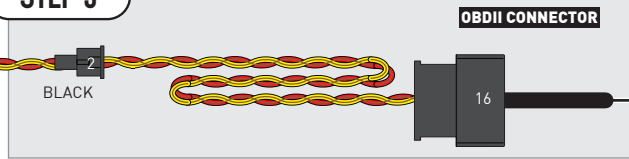
STEP 4



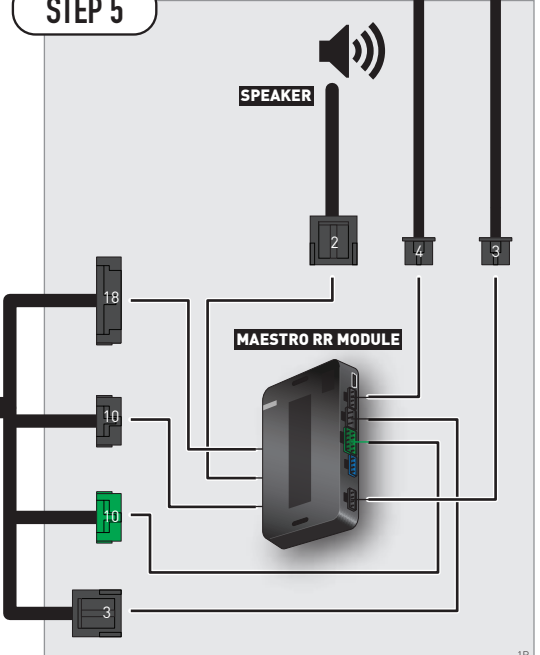
STEP 2



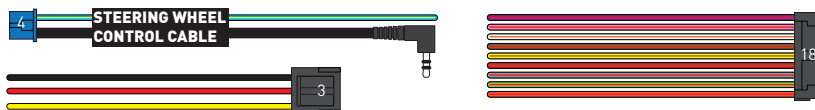
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

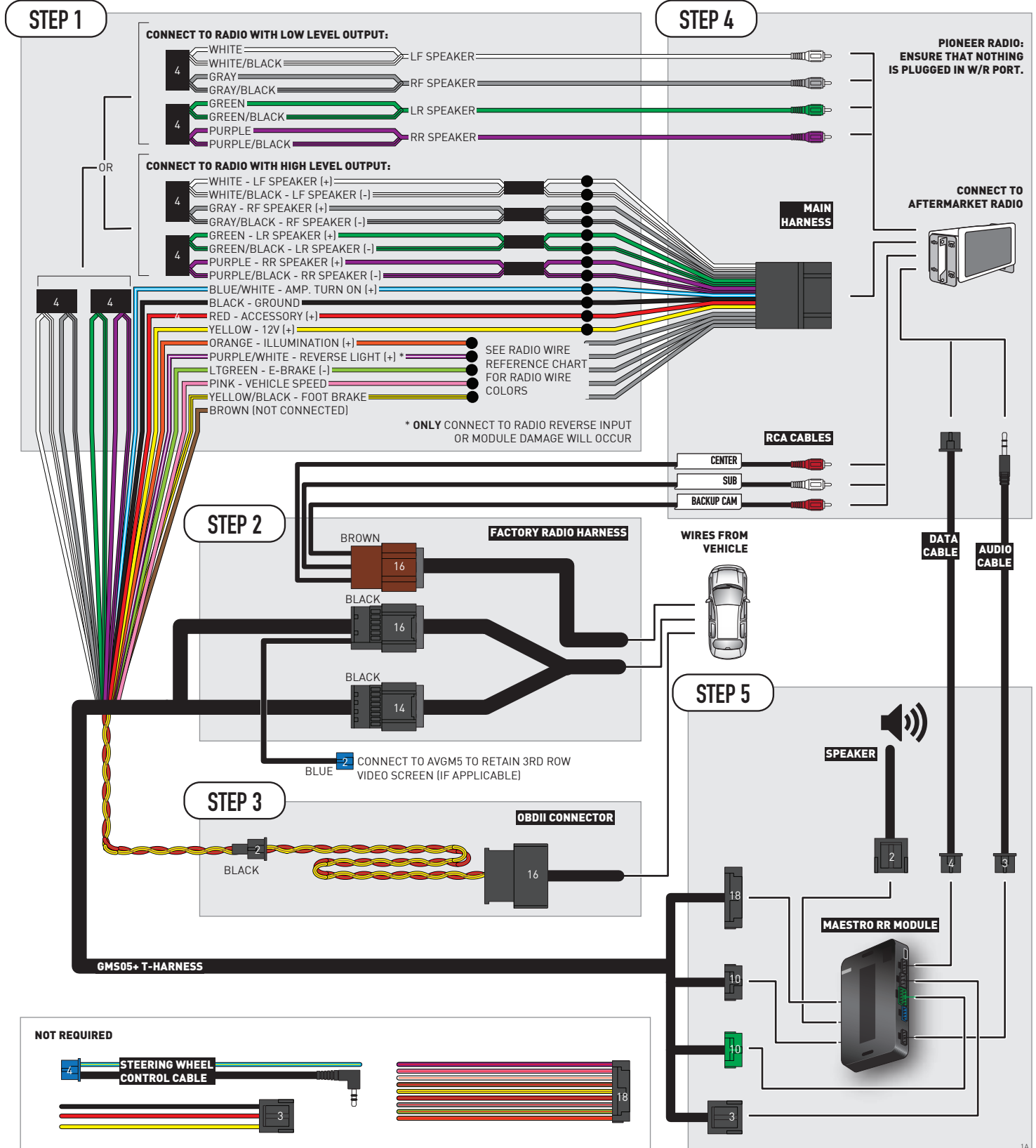
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

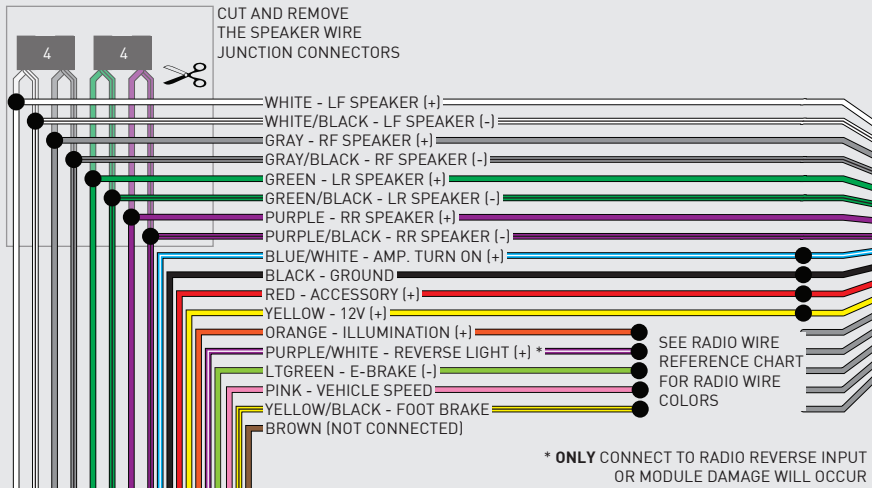
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

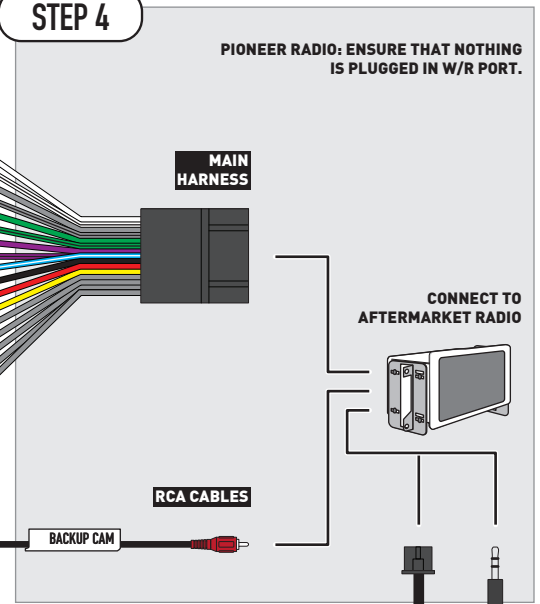


WIRING DIAGRAM *without an Amplifier*

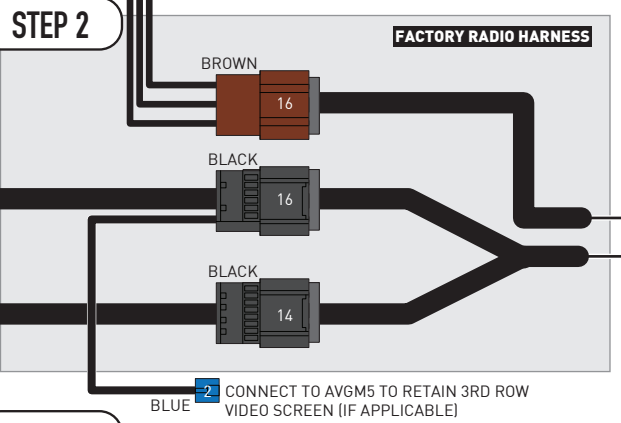
STEP 1



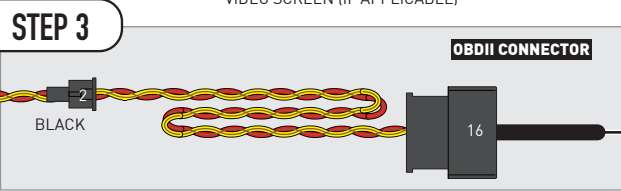
STEP 4



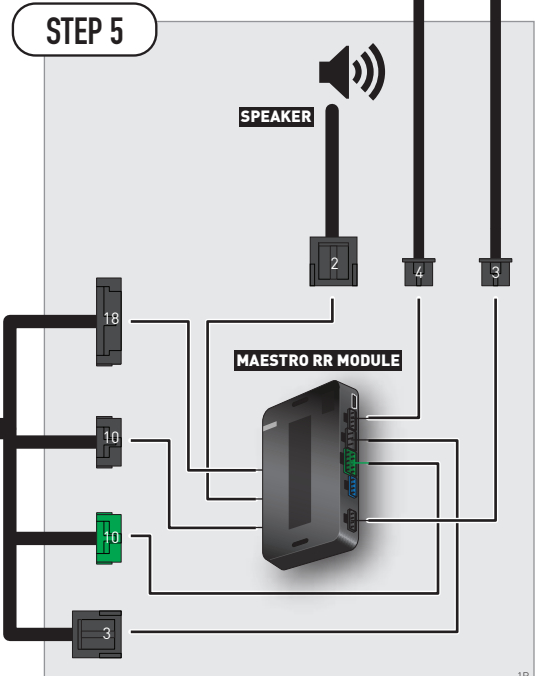
STEP 2



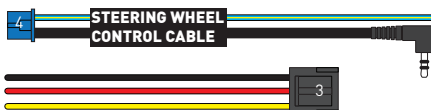
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE			
2GCEK19N031344764					143 5 FXWH2Q					CKI5753			
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U			
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07			
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34			
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS			
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1			
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9			
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692			
7YT													
BC/CC	U	8555				692							

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

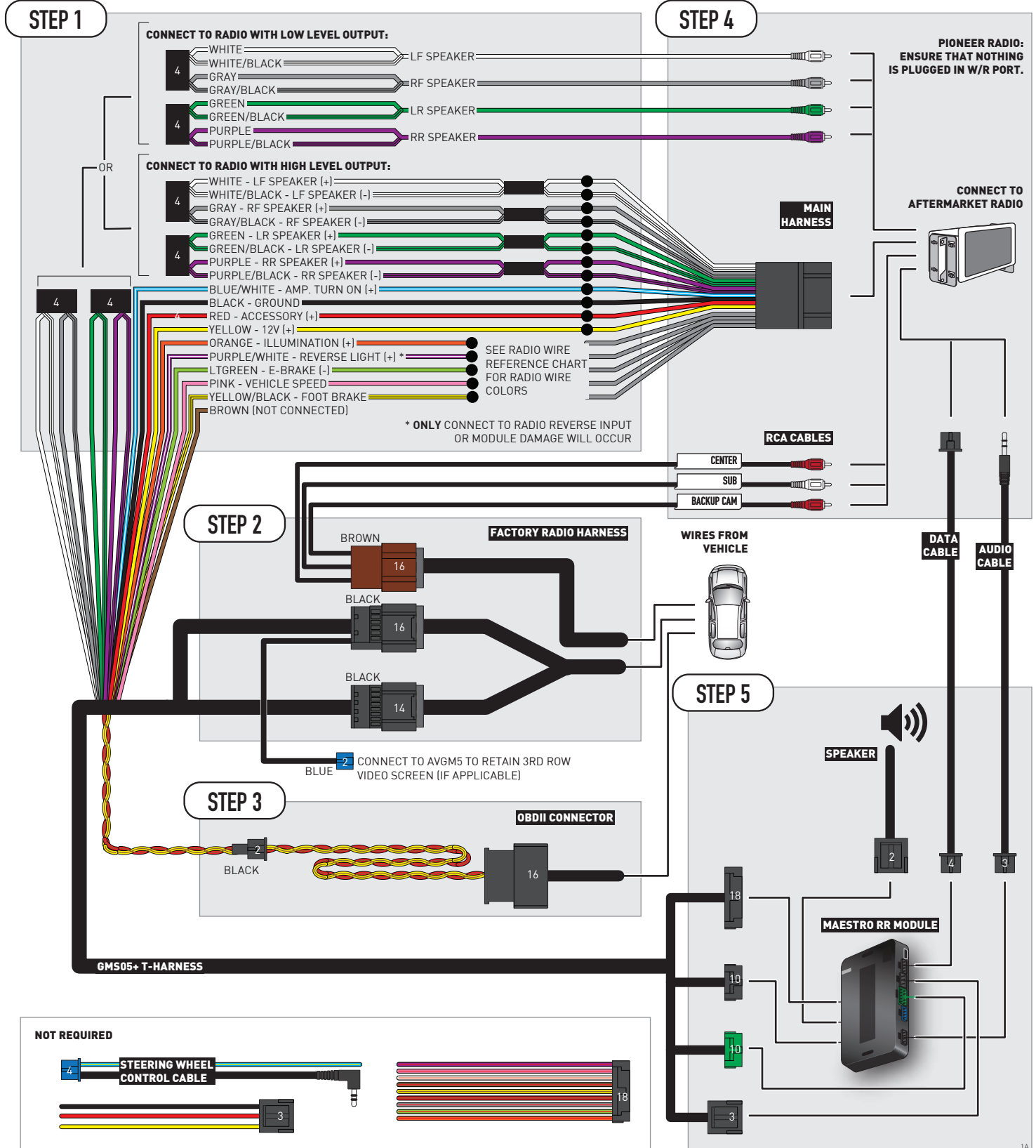
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

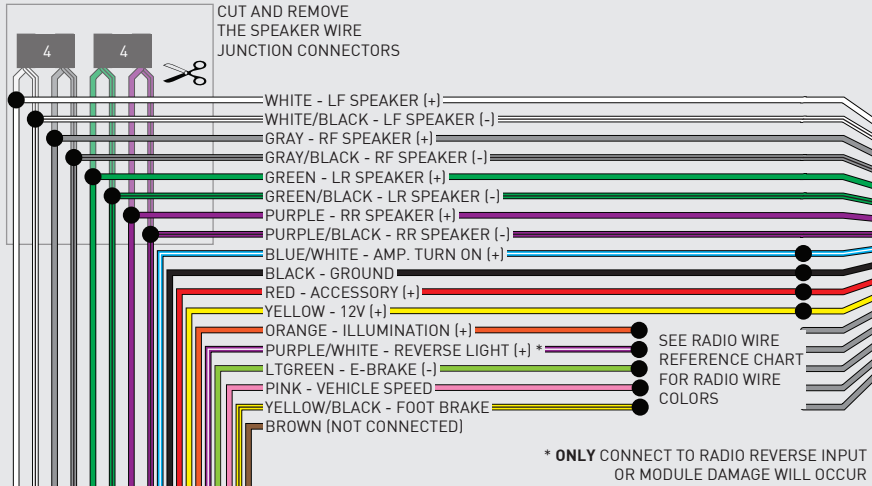
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

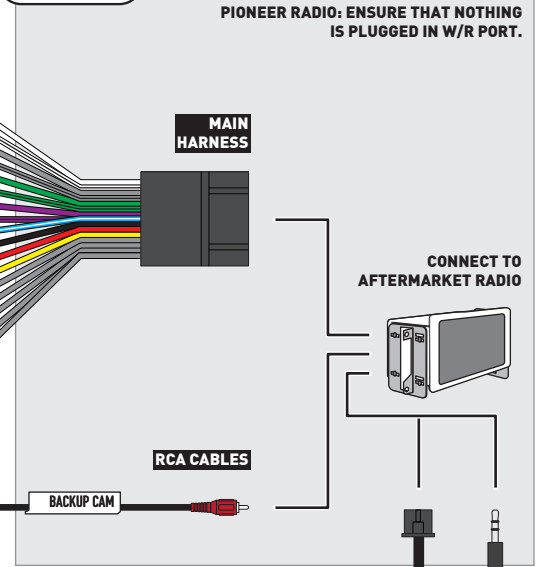


WIRING DIAGRAM *without an Amplifier*

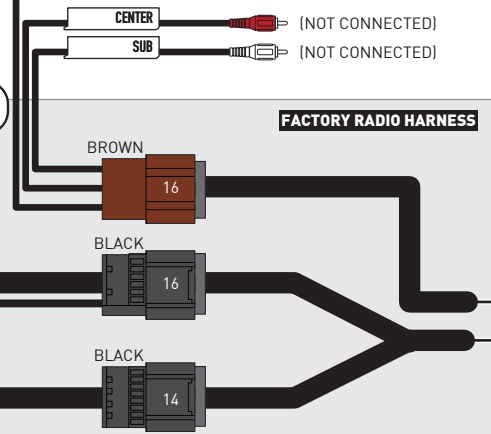
STEP 1



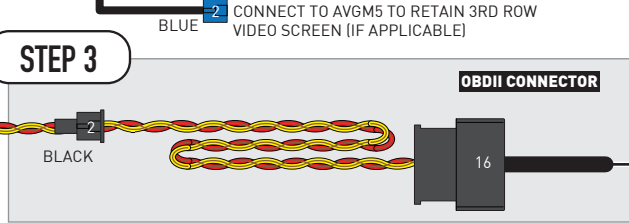
STEP 4



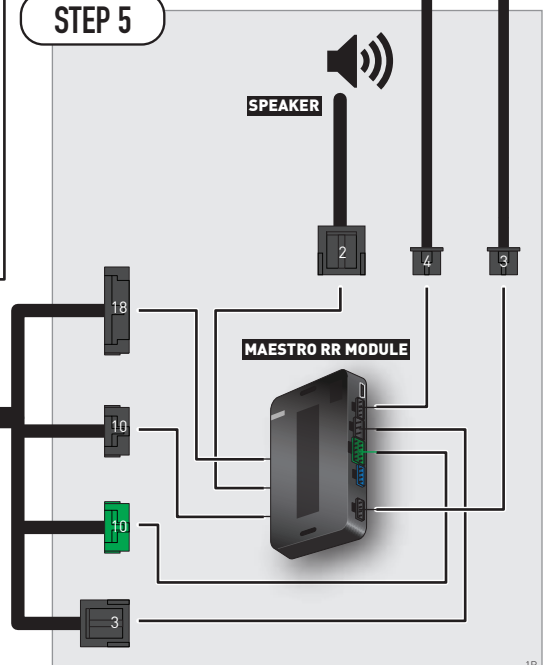
STEP 2



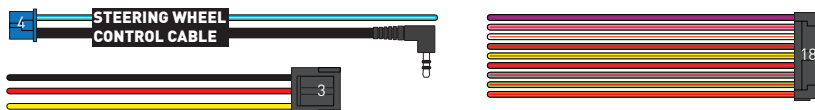
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

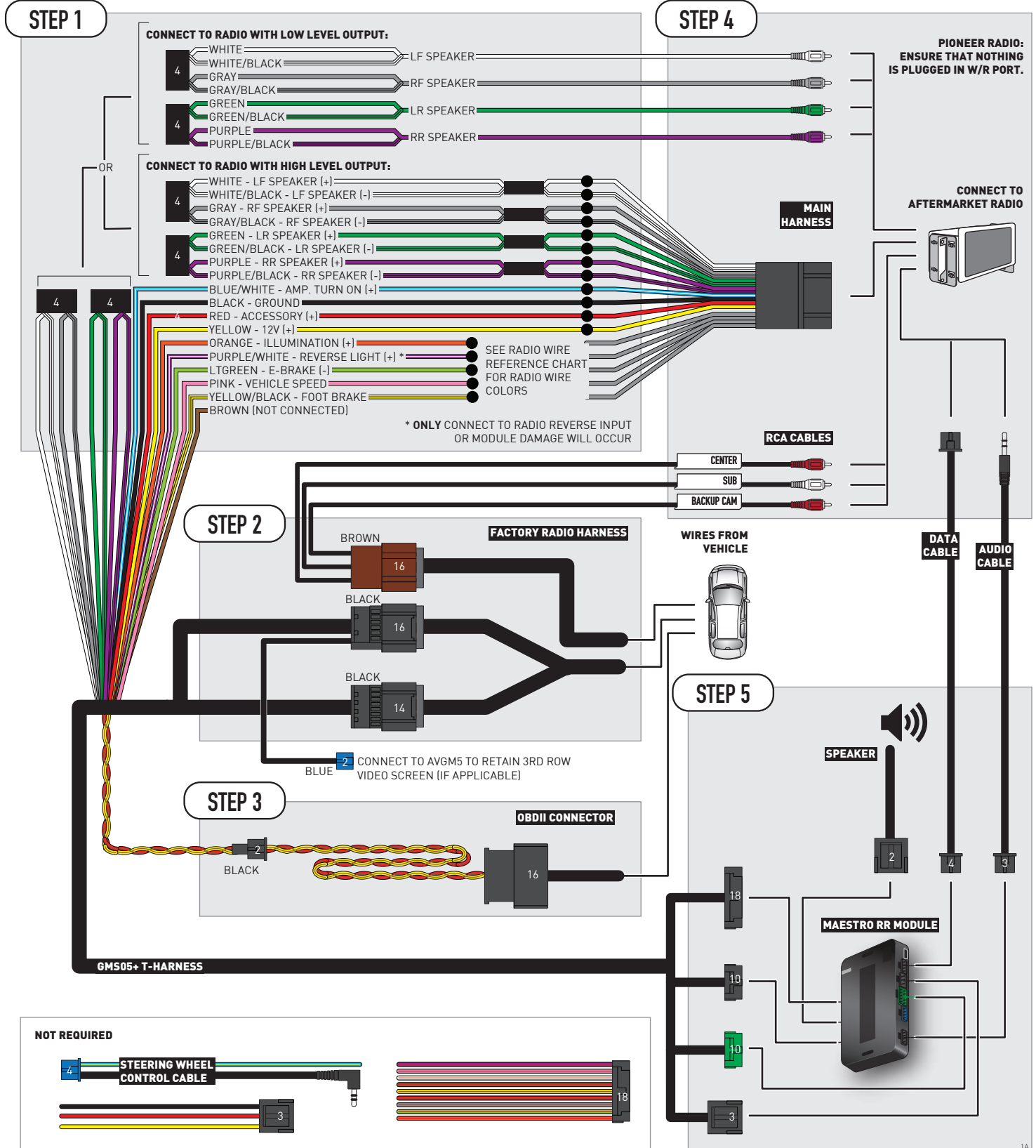
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

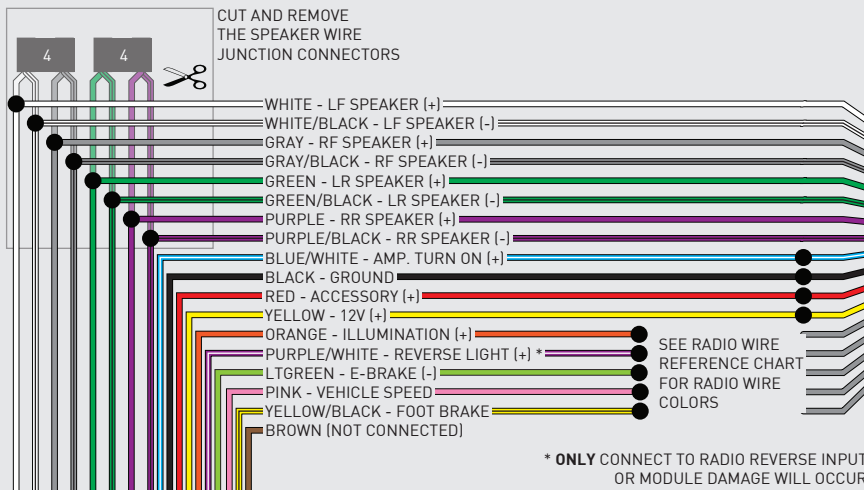
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

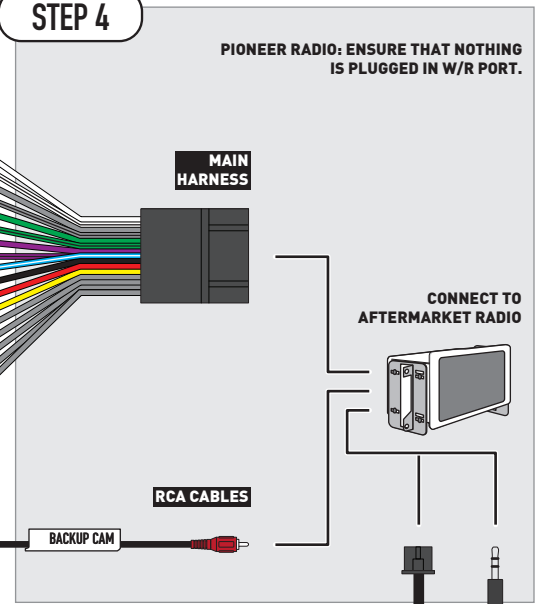


WIRING DIAGRAM *without an Amplifier*

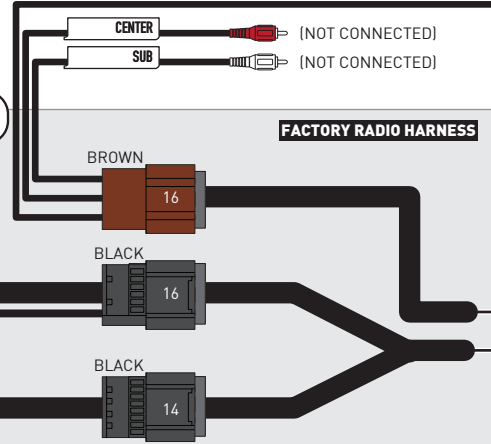
STEP 1



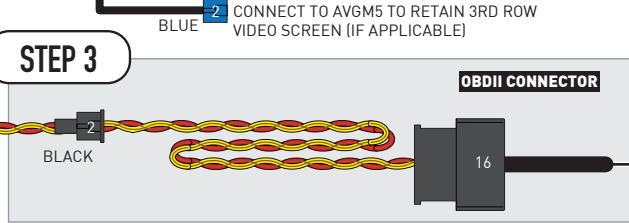
STEP 4



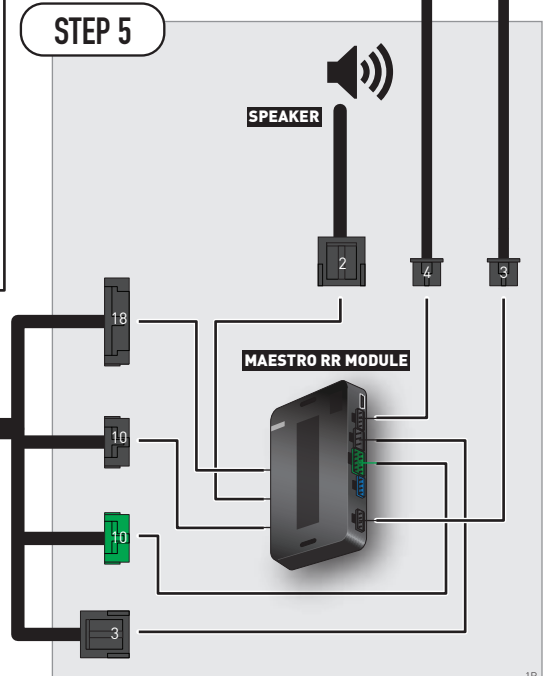
STEP 2



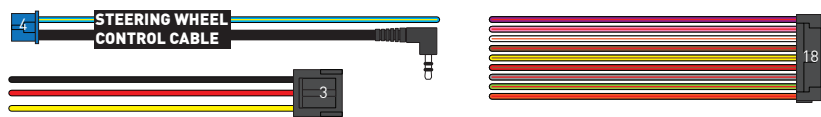
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q		CKI5753	
AG1	AG2	AJ1	AL0	AM7	AN3	AU0	AU3
B58	B81	B82	CJ3	C49	C7H	DF5	DK7
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU
7YT							6YT
BC/CC	U	8555			692		691
							692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

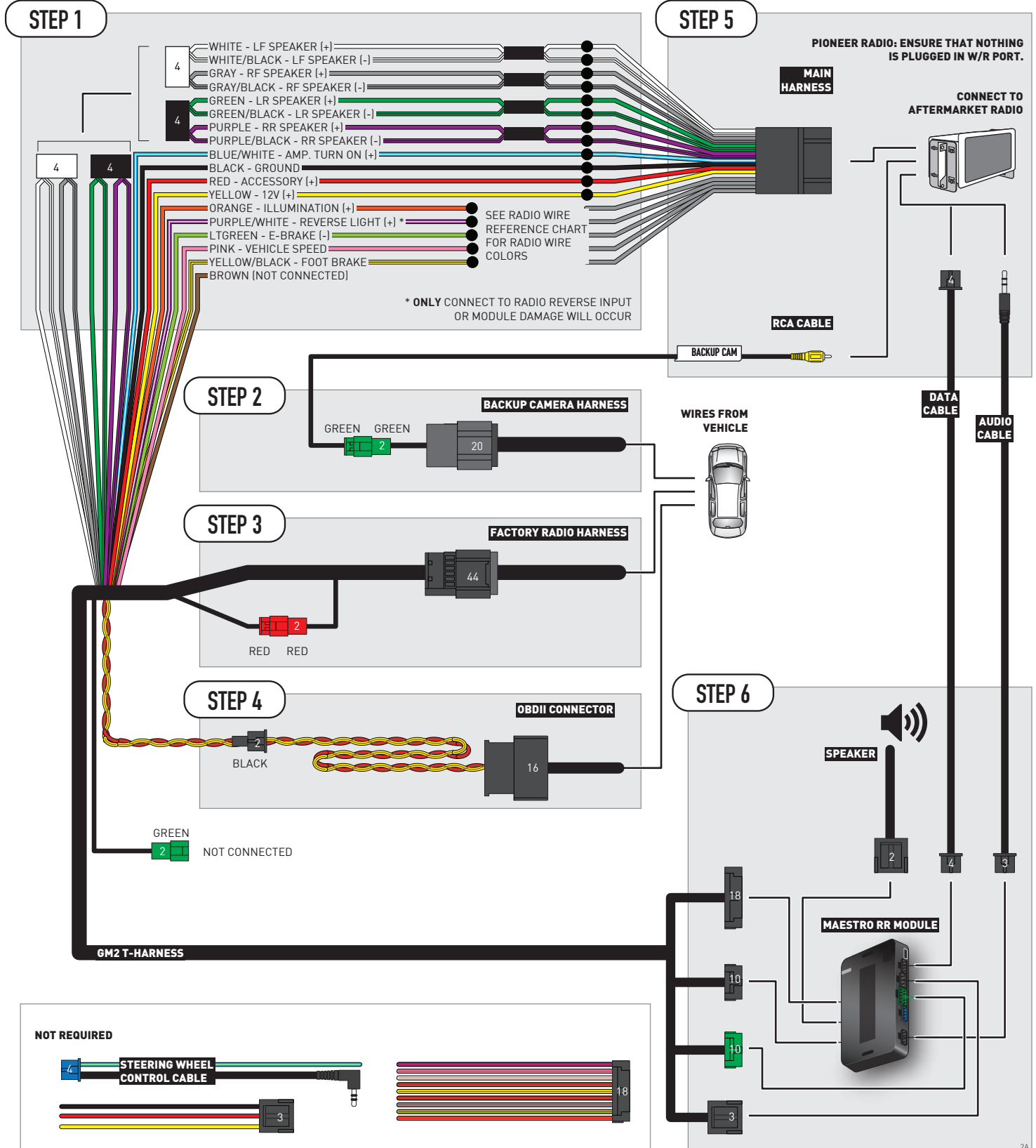
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

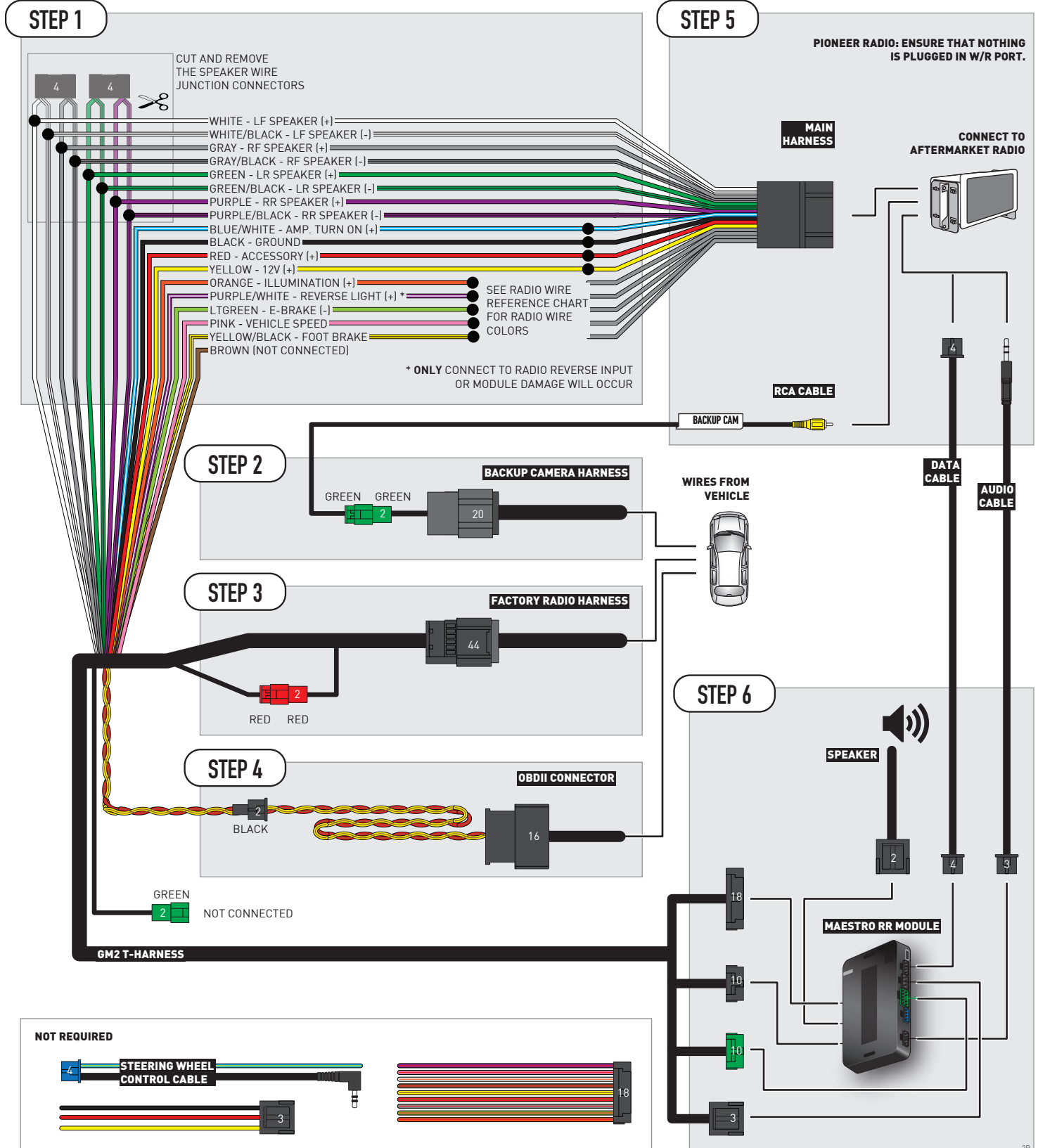
Turn Signal Volume - 1-10

Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE		
2GCEK19N031344764				143 5 FXWH2Q				CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U		
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07		
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34		
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS		
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1		
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9		
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692		
7YT												
BC/CC	U	8555				692						

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

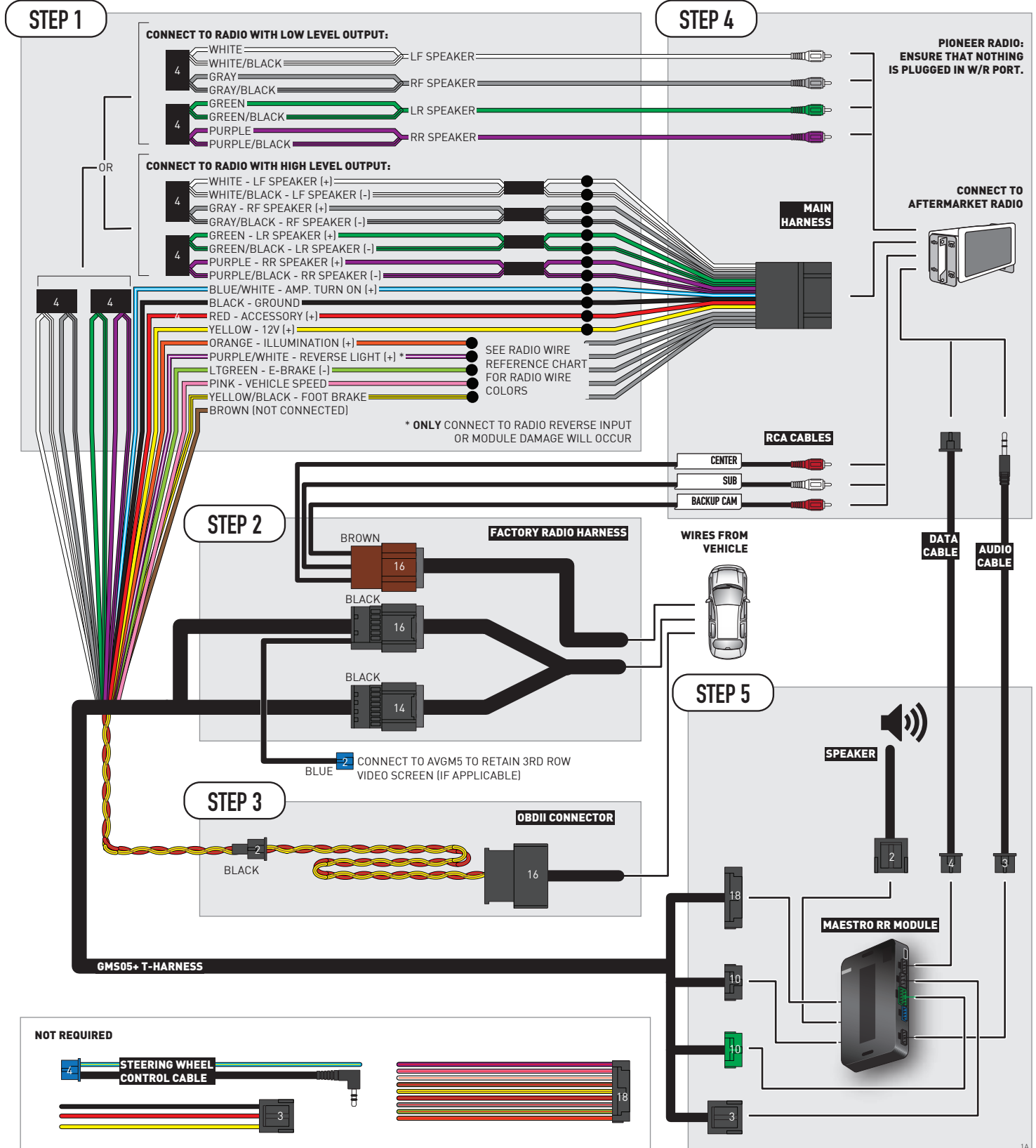
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

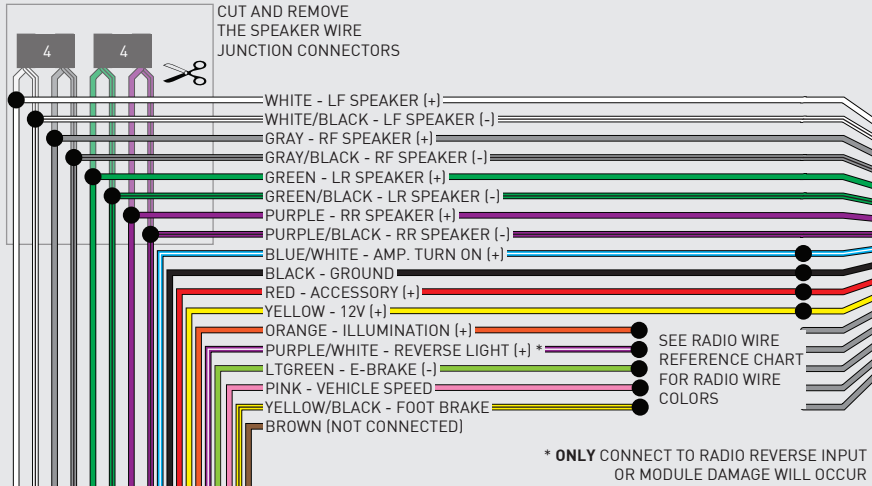
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

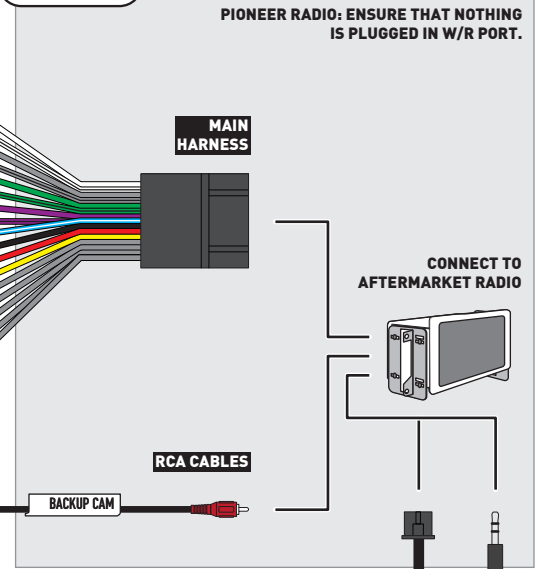


WIRING DIAGRAM *without an Amplifier*

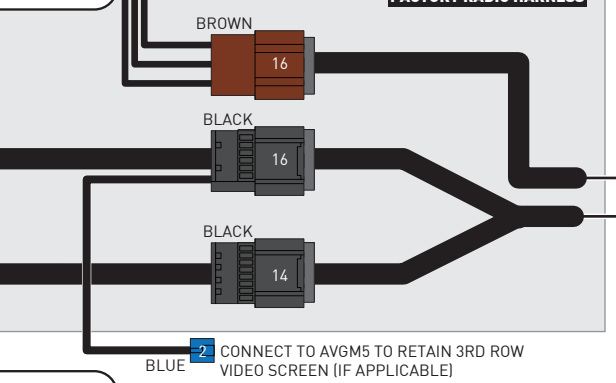
STEP 1



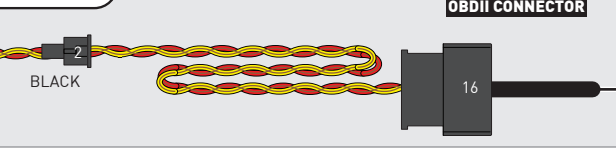
STEP 4



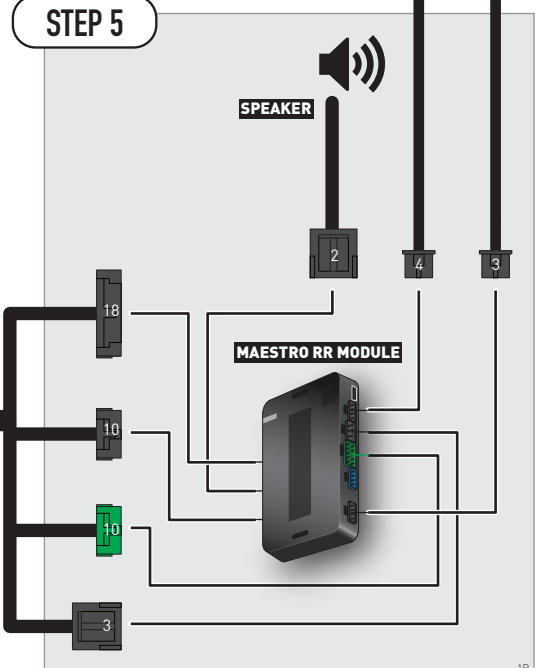
STEP 2



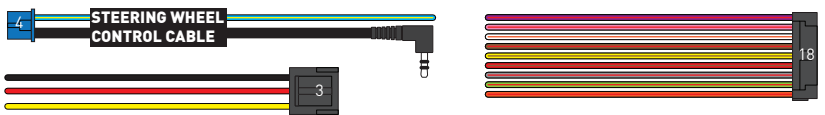
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE		
2GCEK19N031344764				143 5 FXWH2Q				CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U		
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07		
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34		
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS		
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1		
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9			
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692		
7YT												
BC/CC	U	8555				692						

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

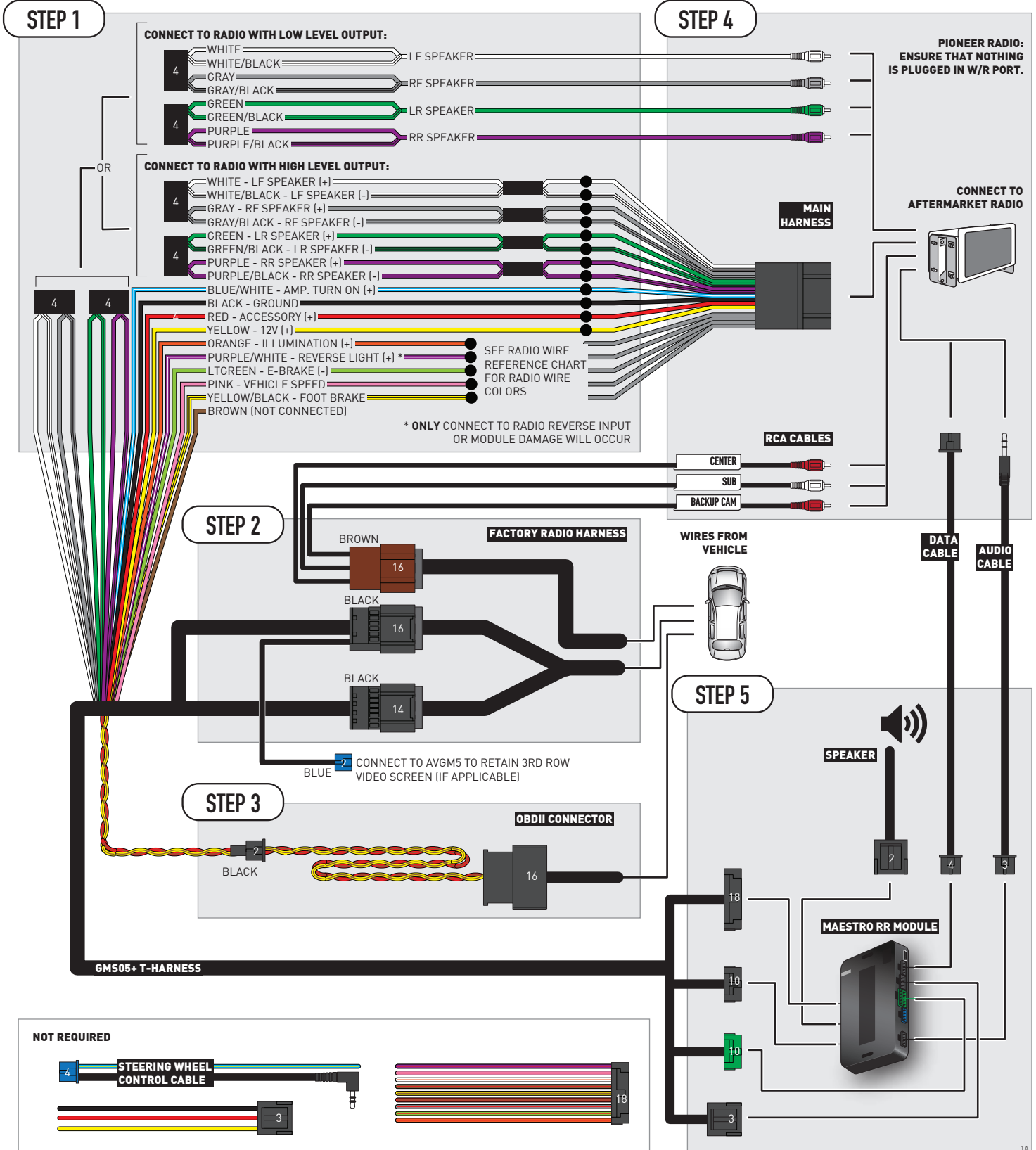
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

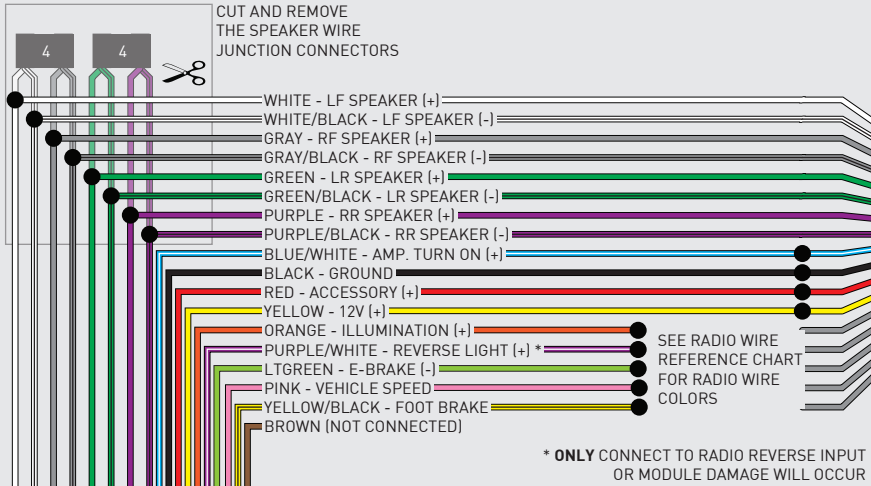
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

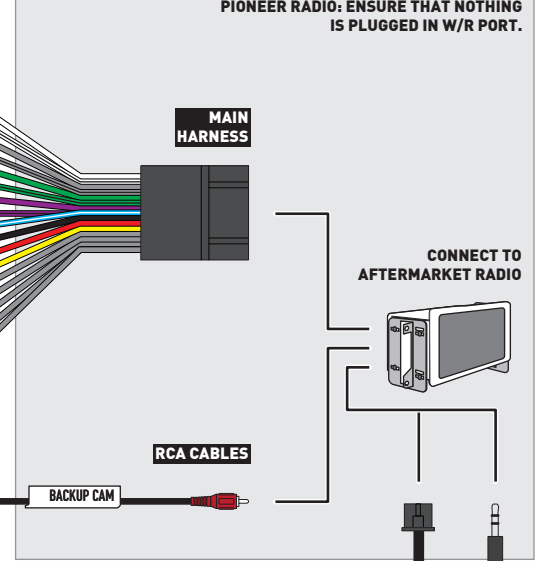


WIRING DIAGRAM *without an Amplifier*

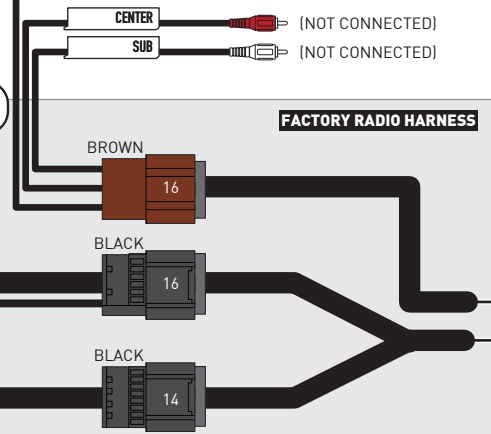
STEP 1



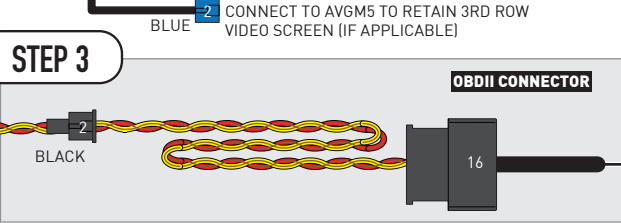
STEP 4



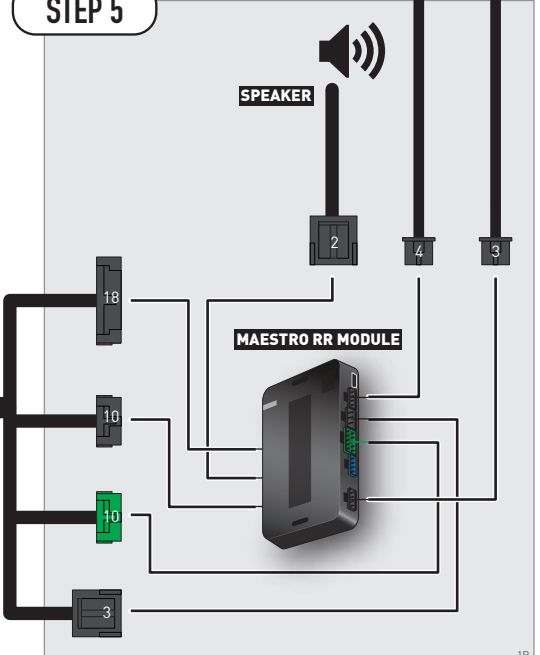
STEP 2



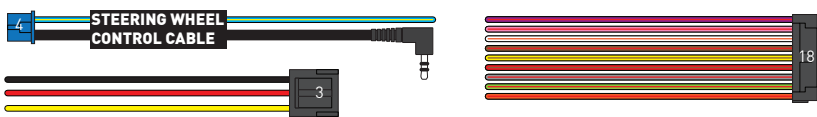
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

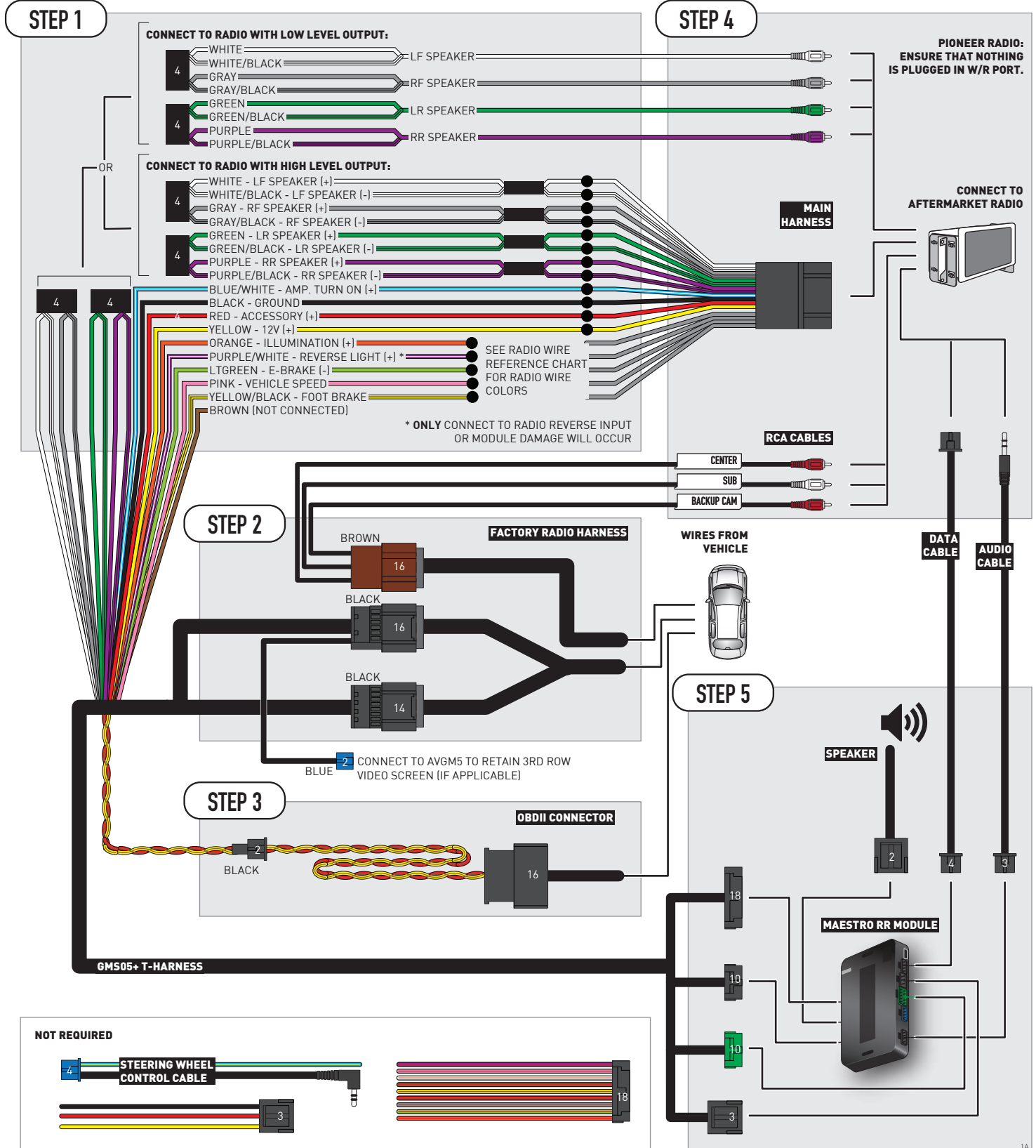
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

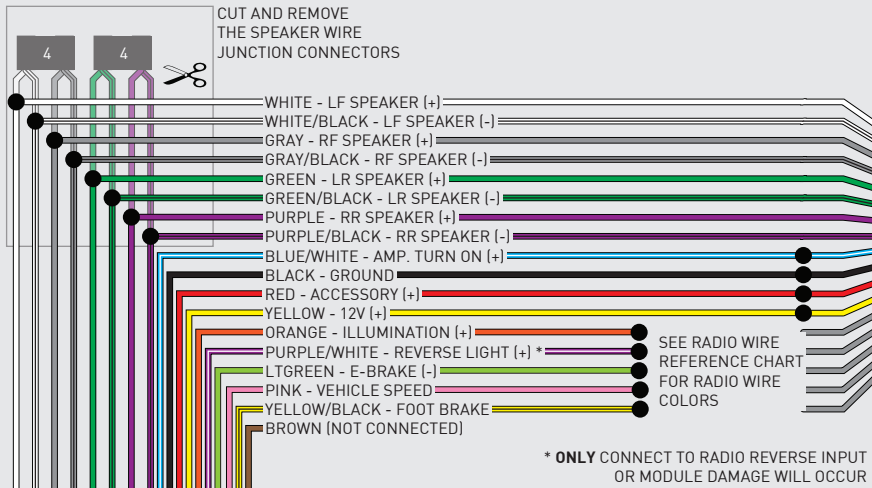
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

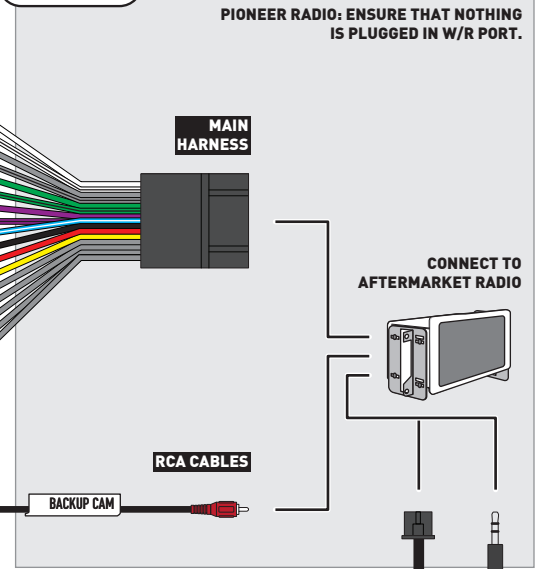


WIRING DIAGRAM *without an Amplifier*

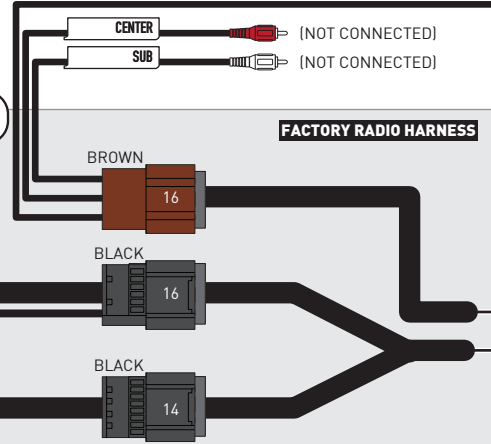
STEP 1



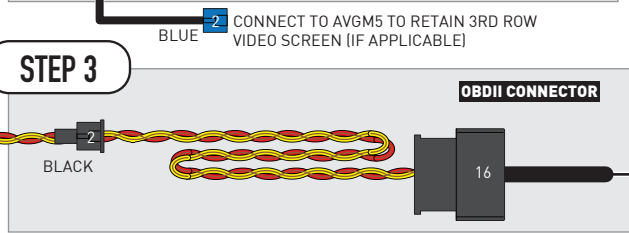
STEP 4



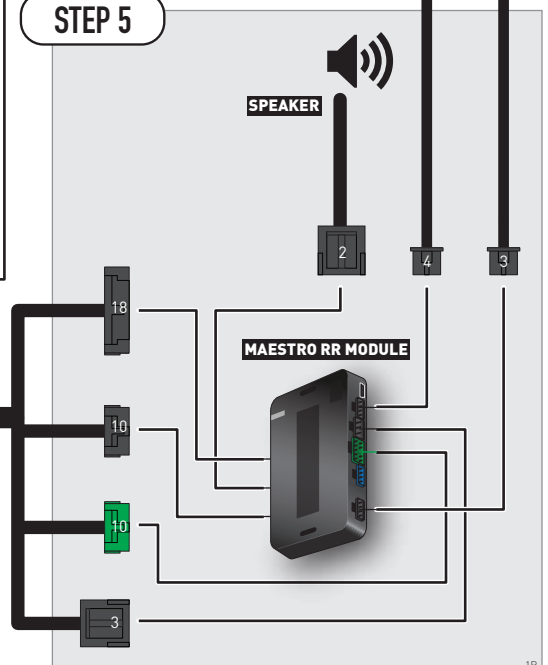
STEP 2



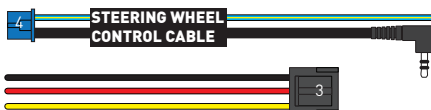
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

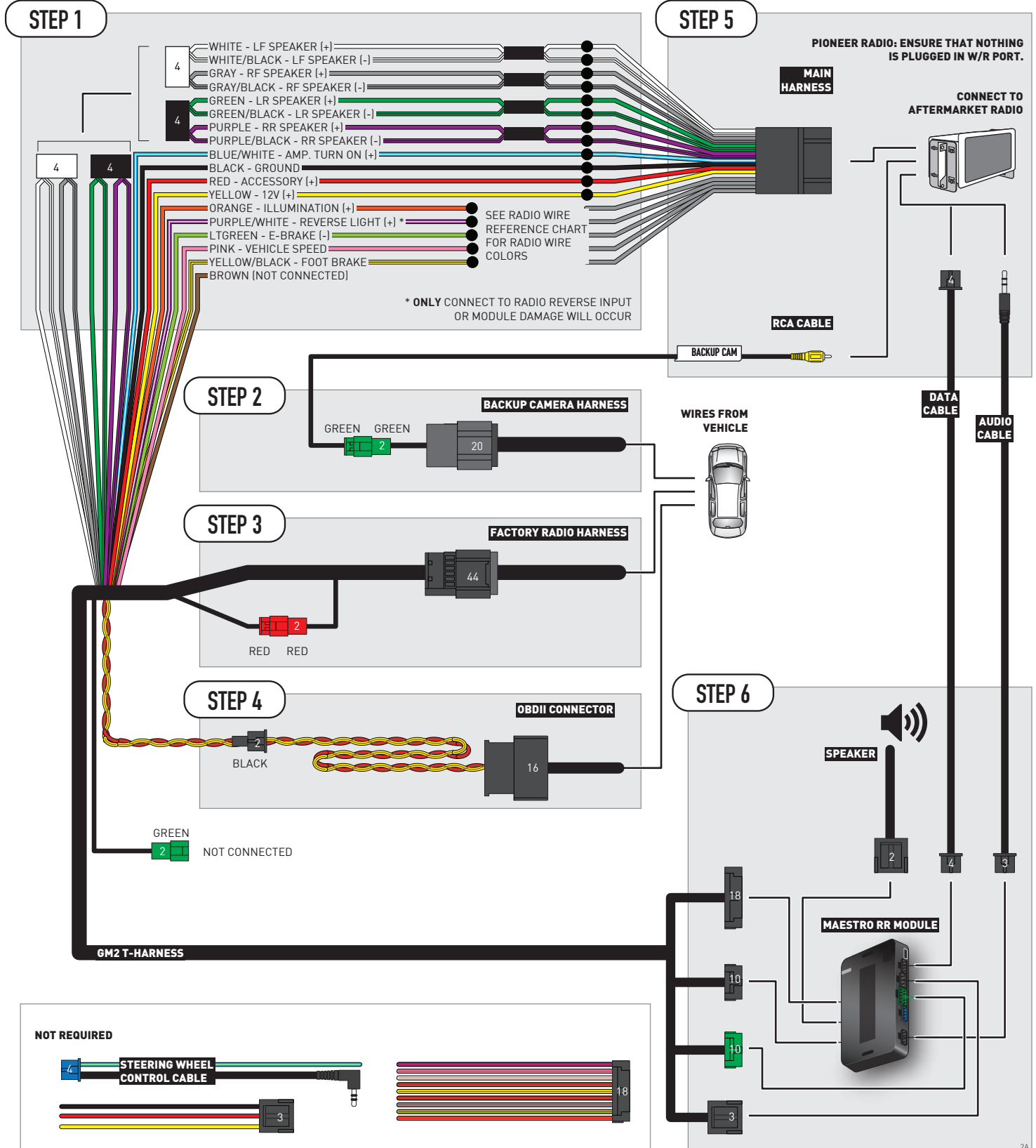
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

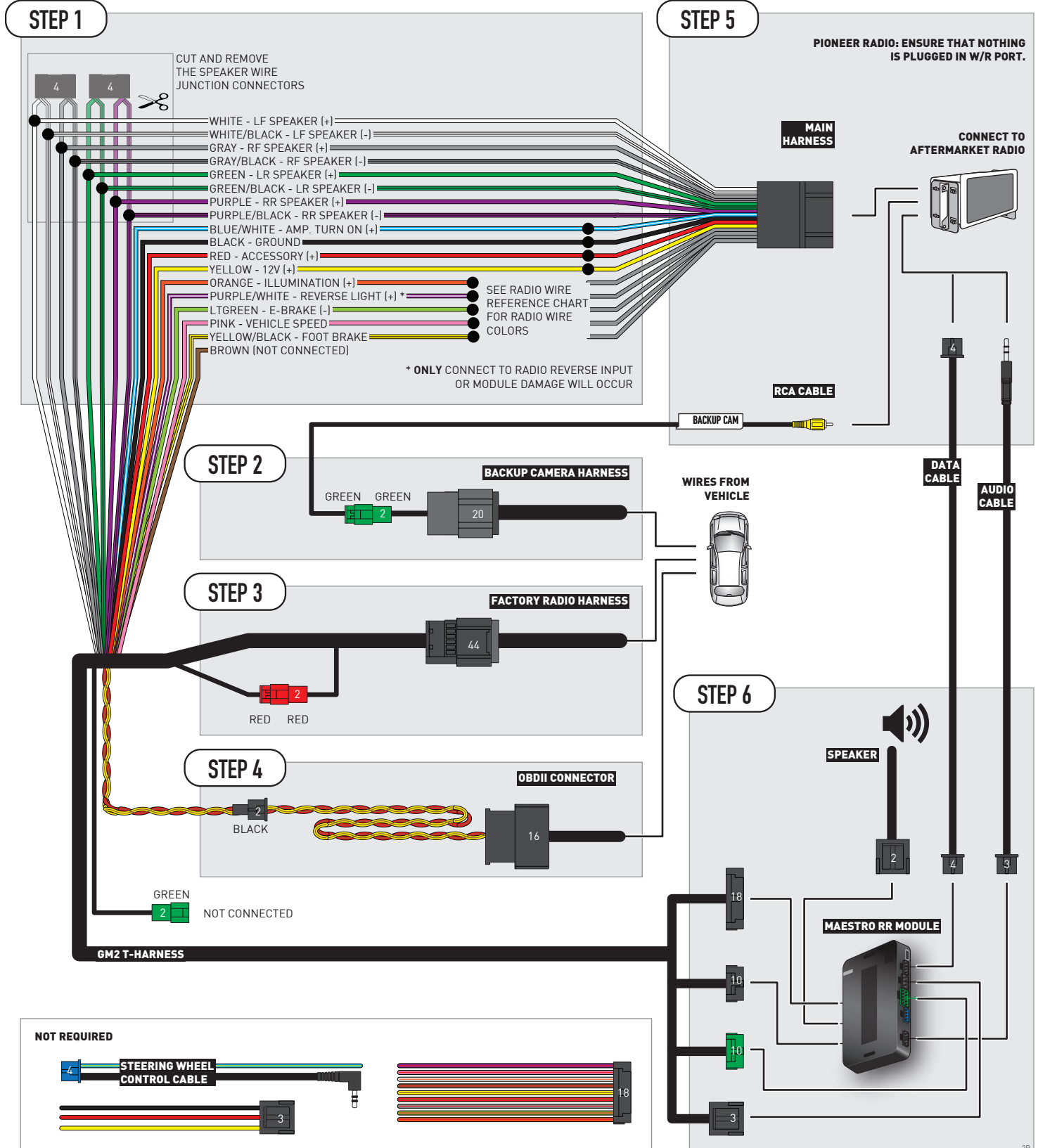
Turn Signal Volume - 1-10

Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

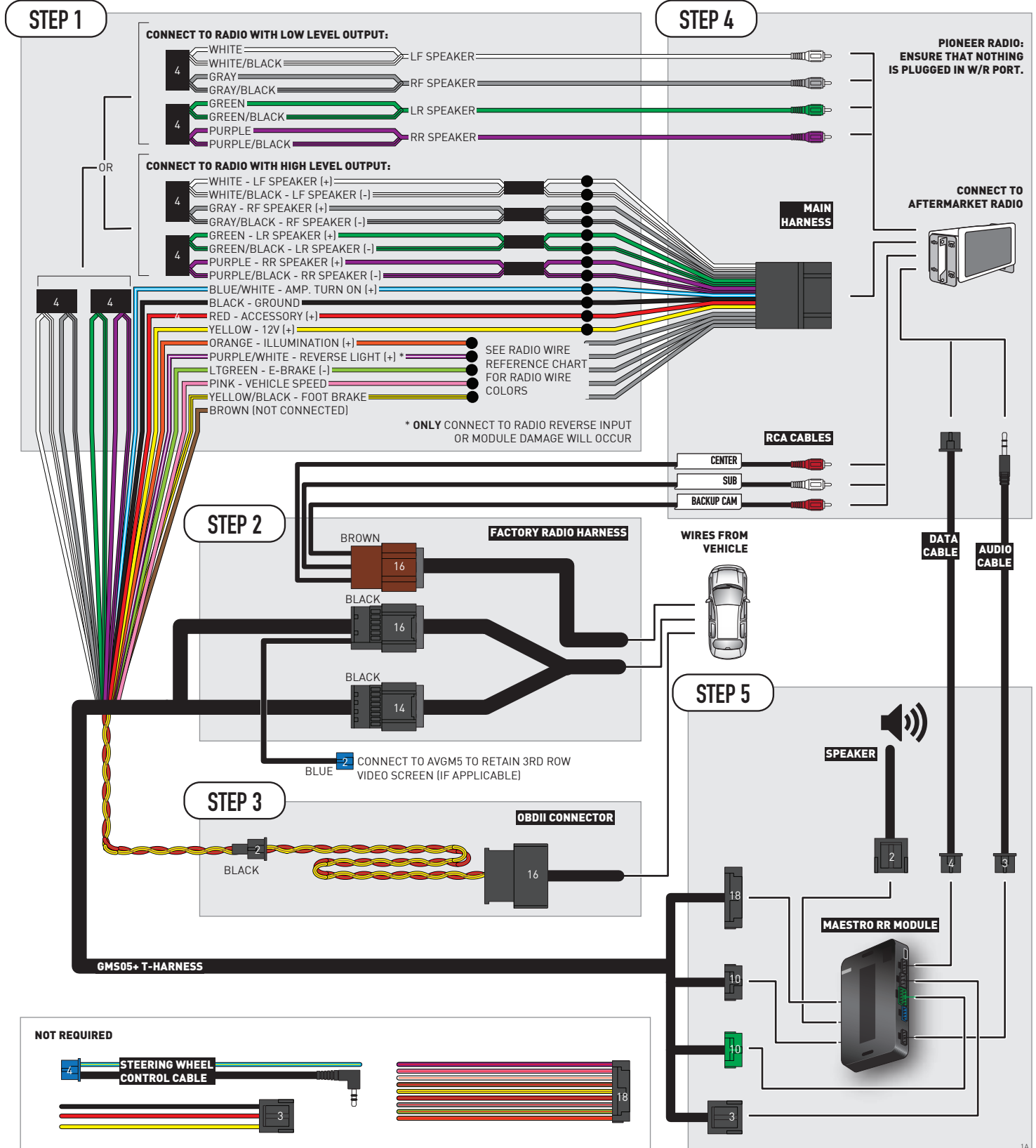
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

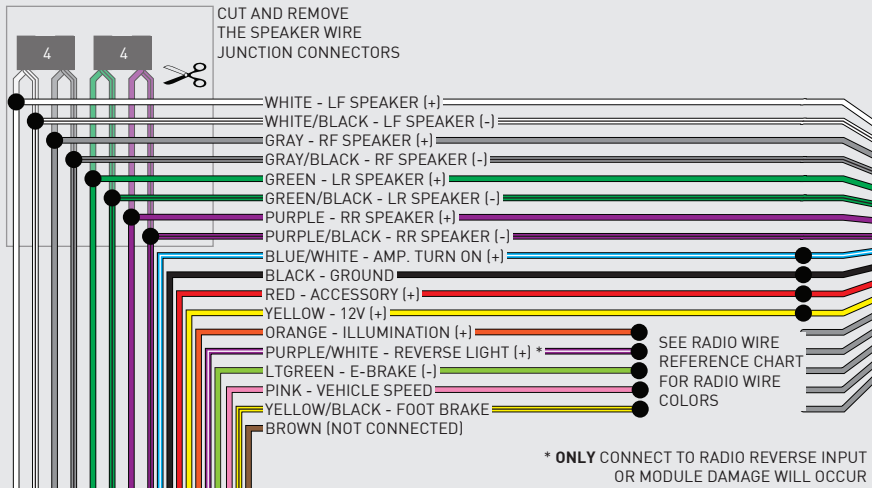
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

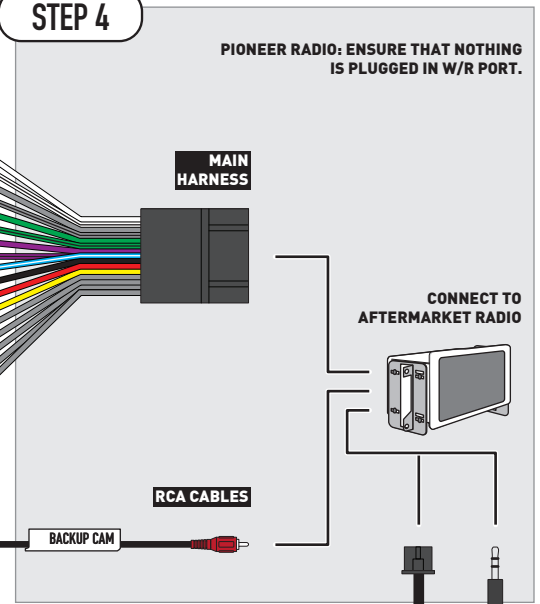


WIRING DIAGRAM *without an Amplifier*

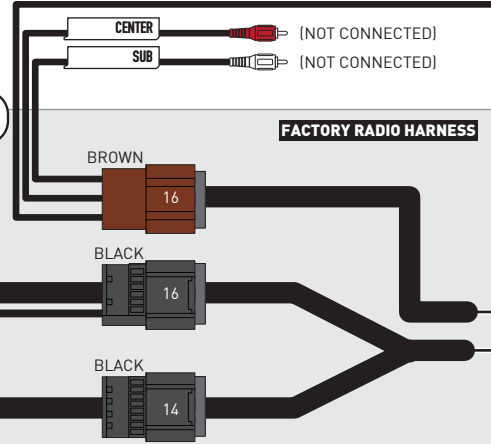
STEP 1



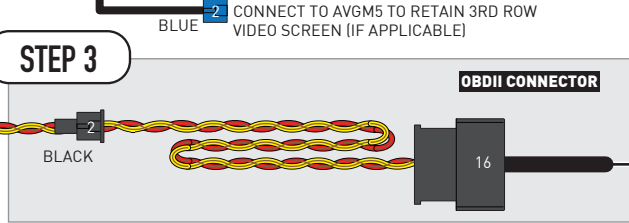
STEP 4



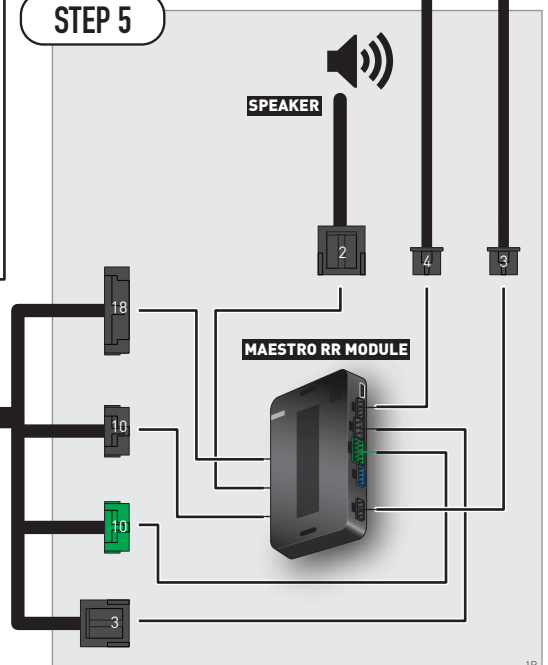
STEP 2



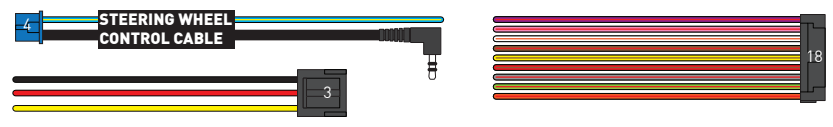
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

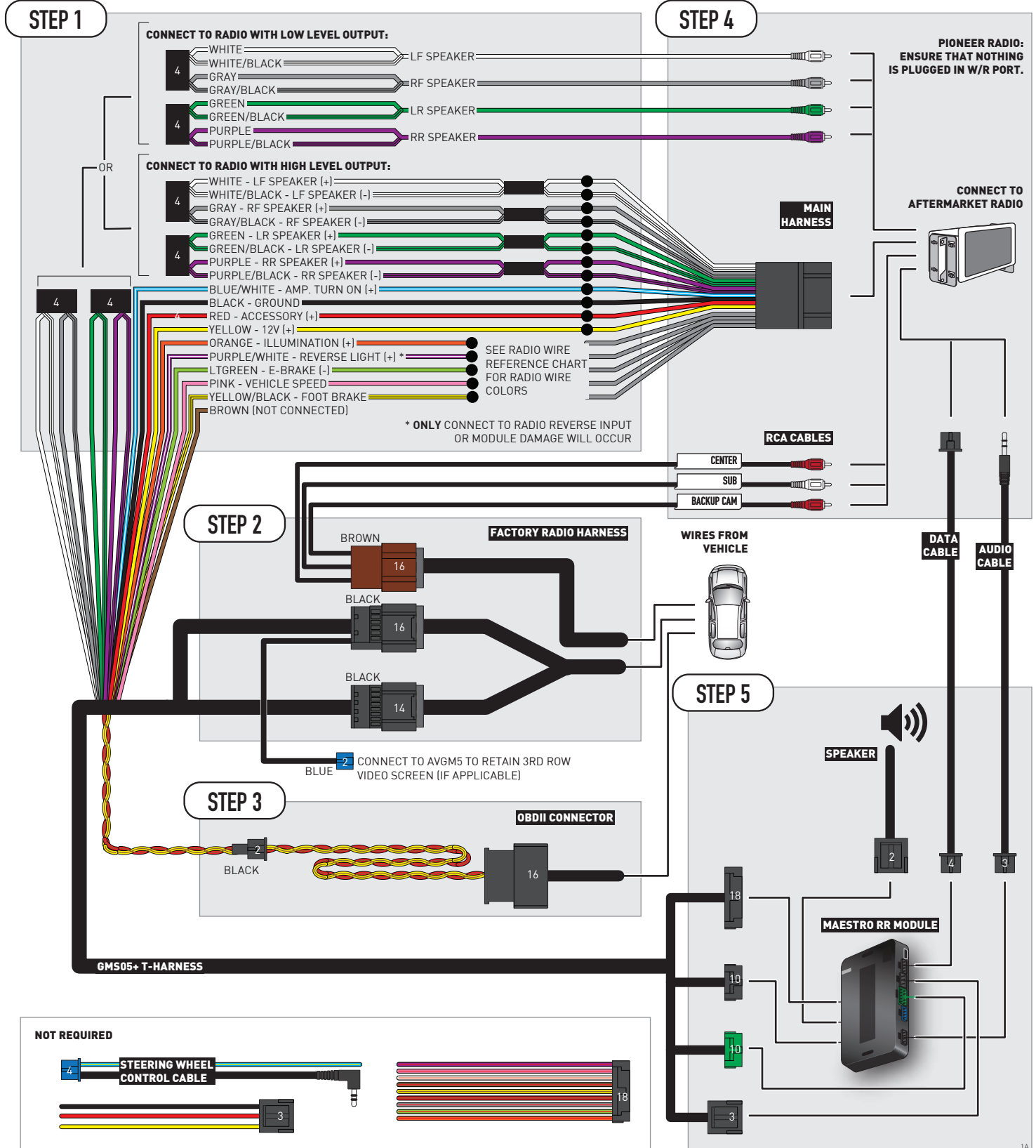
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

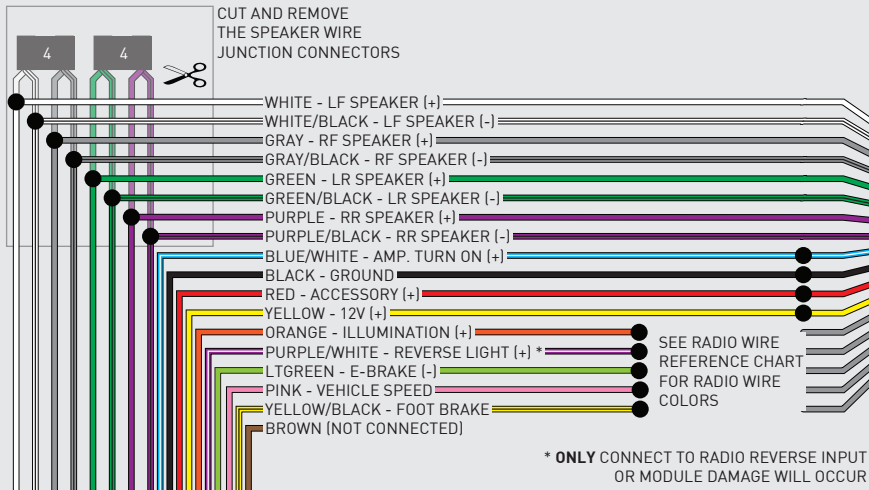
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

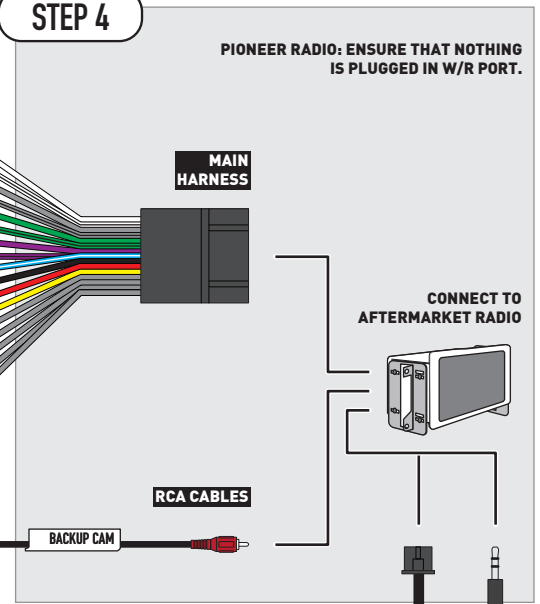


WIRING DIAGRAM *without an Amplifier*

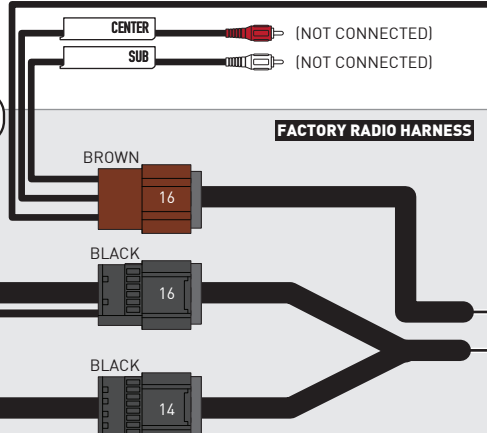
STEP 1



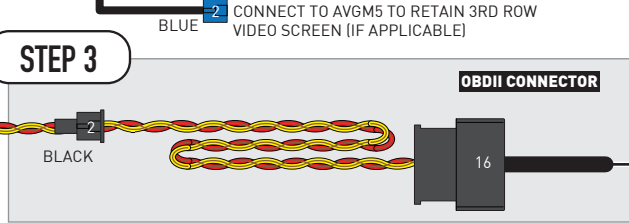
STEP 4



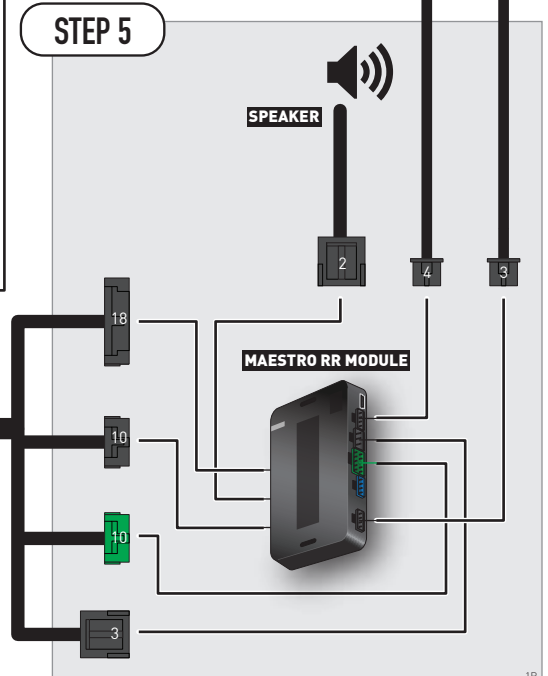
STEP 2



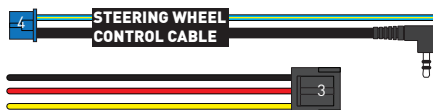
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD8	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

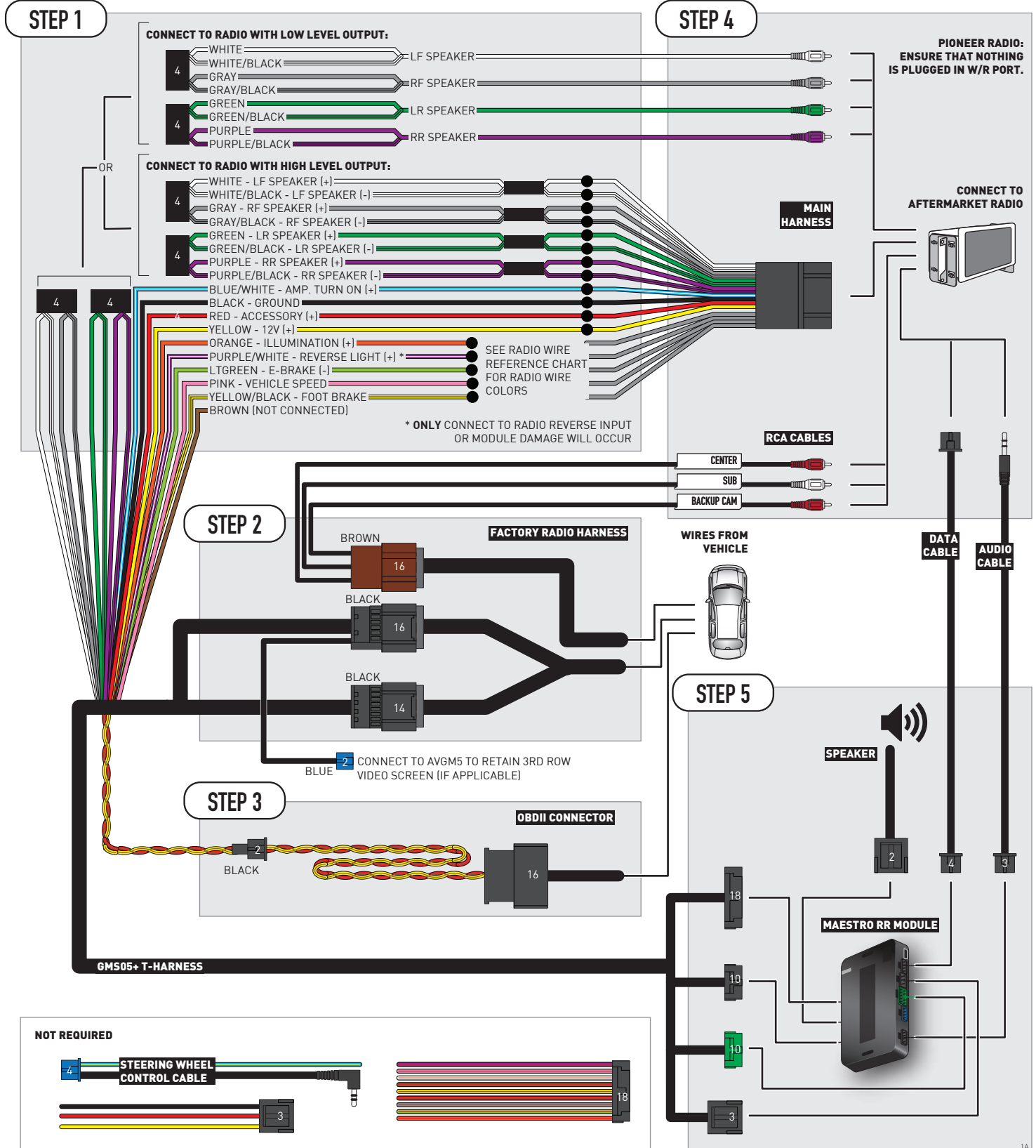
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

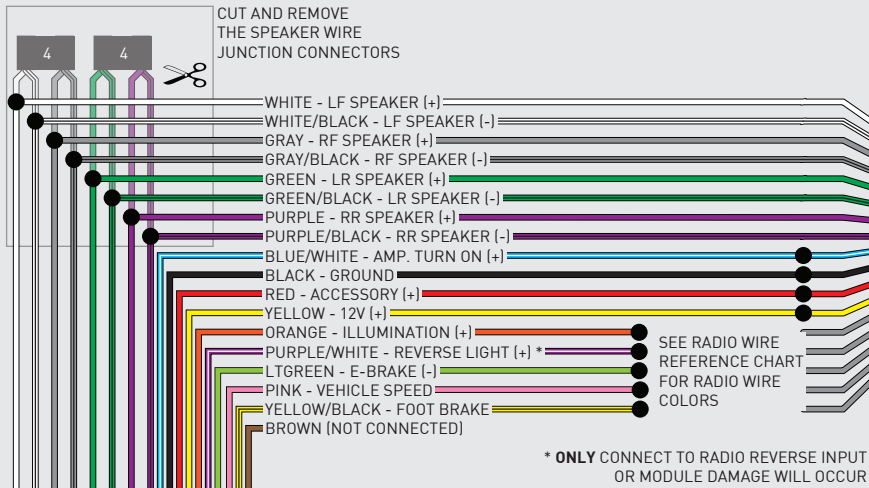
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

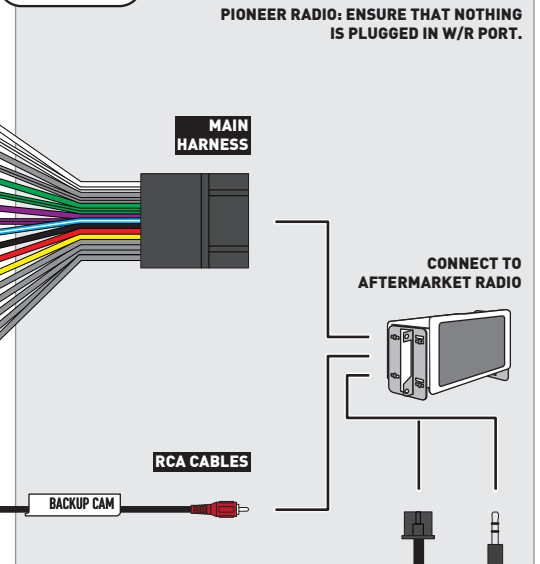


WIRING DIAGRAM *without an Amplifier*

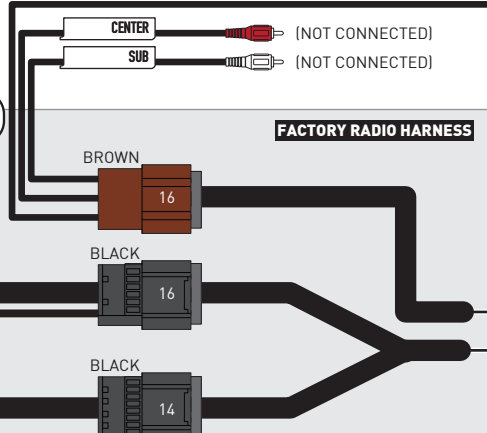
STEP 1



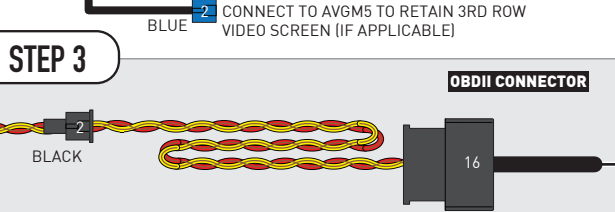
STEP 4



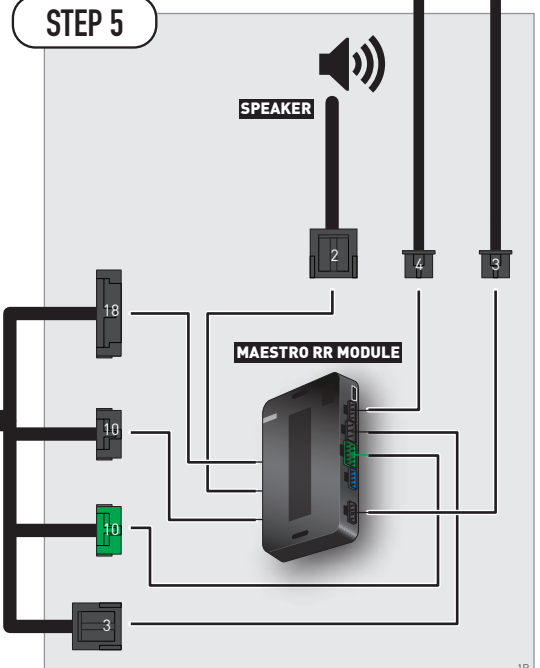
STEP 2



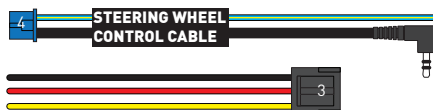
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the **"AMPLIFIER ONLY"** note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

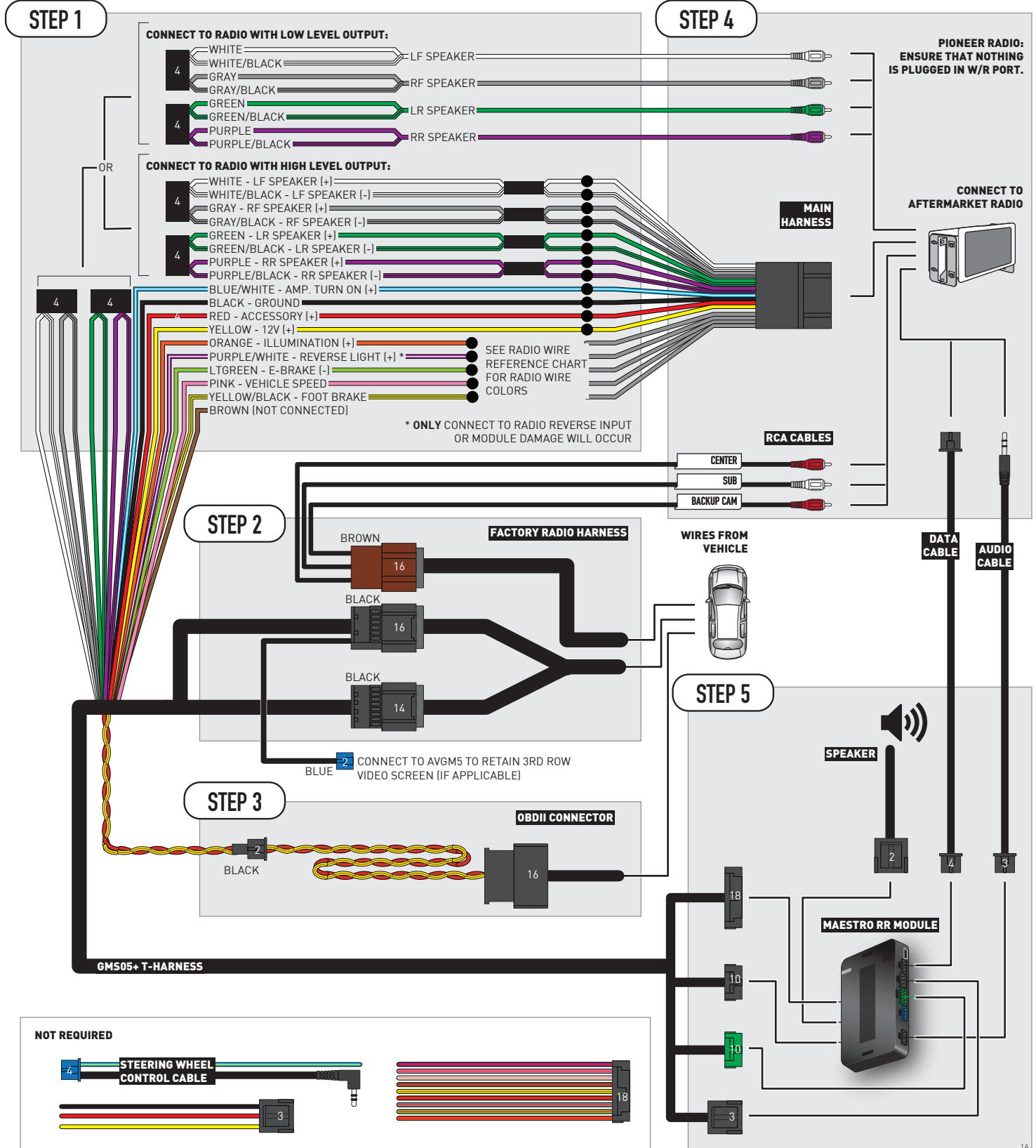
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

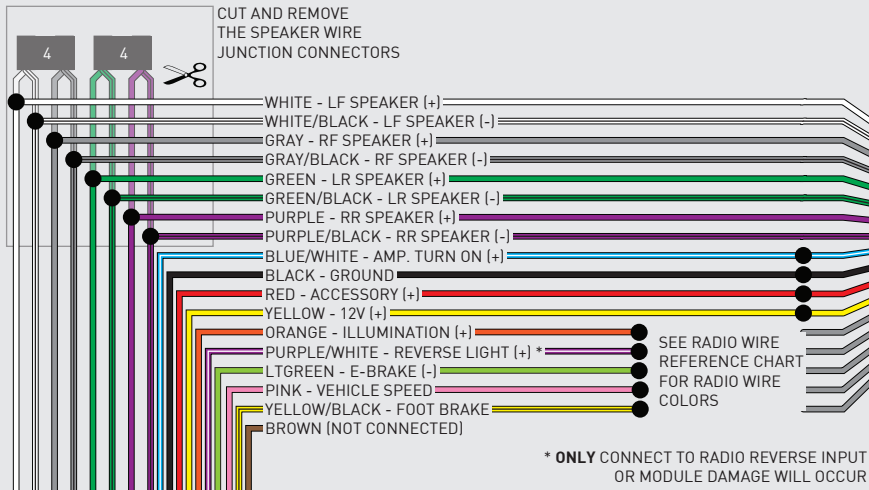
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

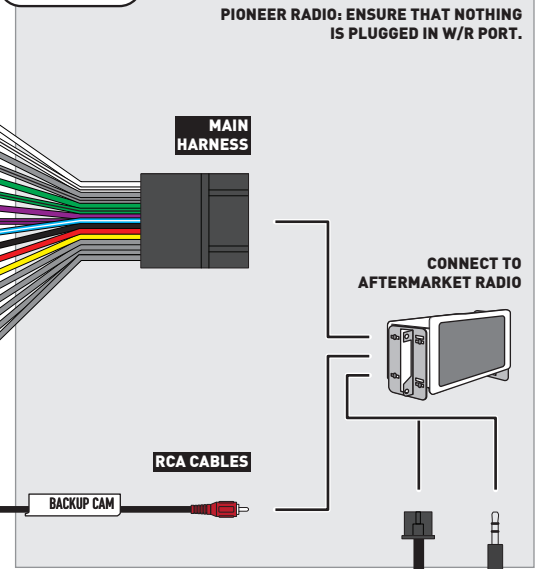


WIRING DIAGRAM *without an Amplifier*

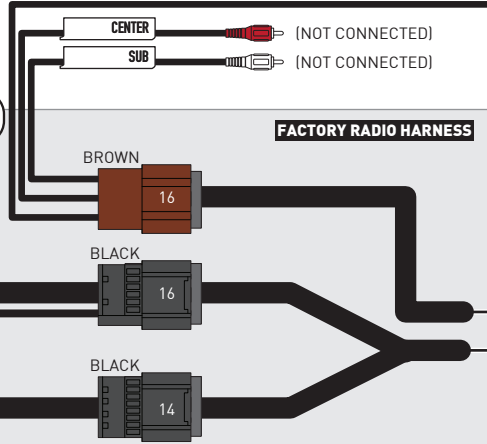
STEP 1



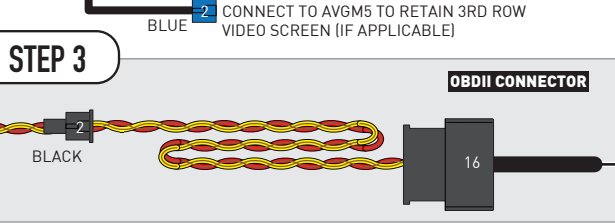
STEP 4



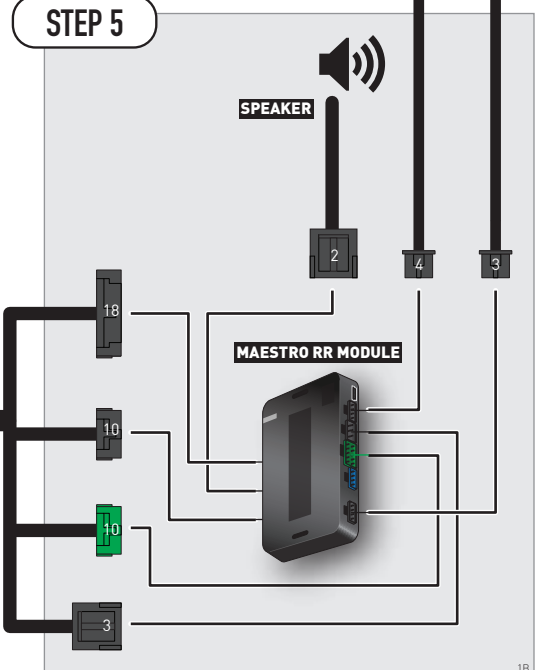
STEP 2



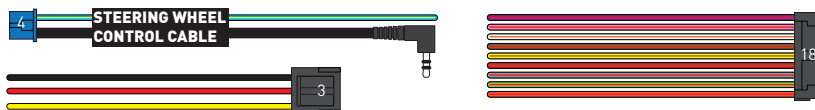
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE			
2GCEK19N031344764					143 5 FXWH2Q					CKI5753			
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U			
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07			
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34			
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS			
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1			
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9			
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692			
7YT													
BC/CC	U	8555				692							

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

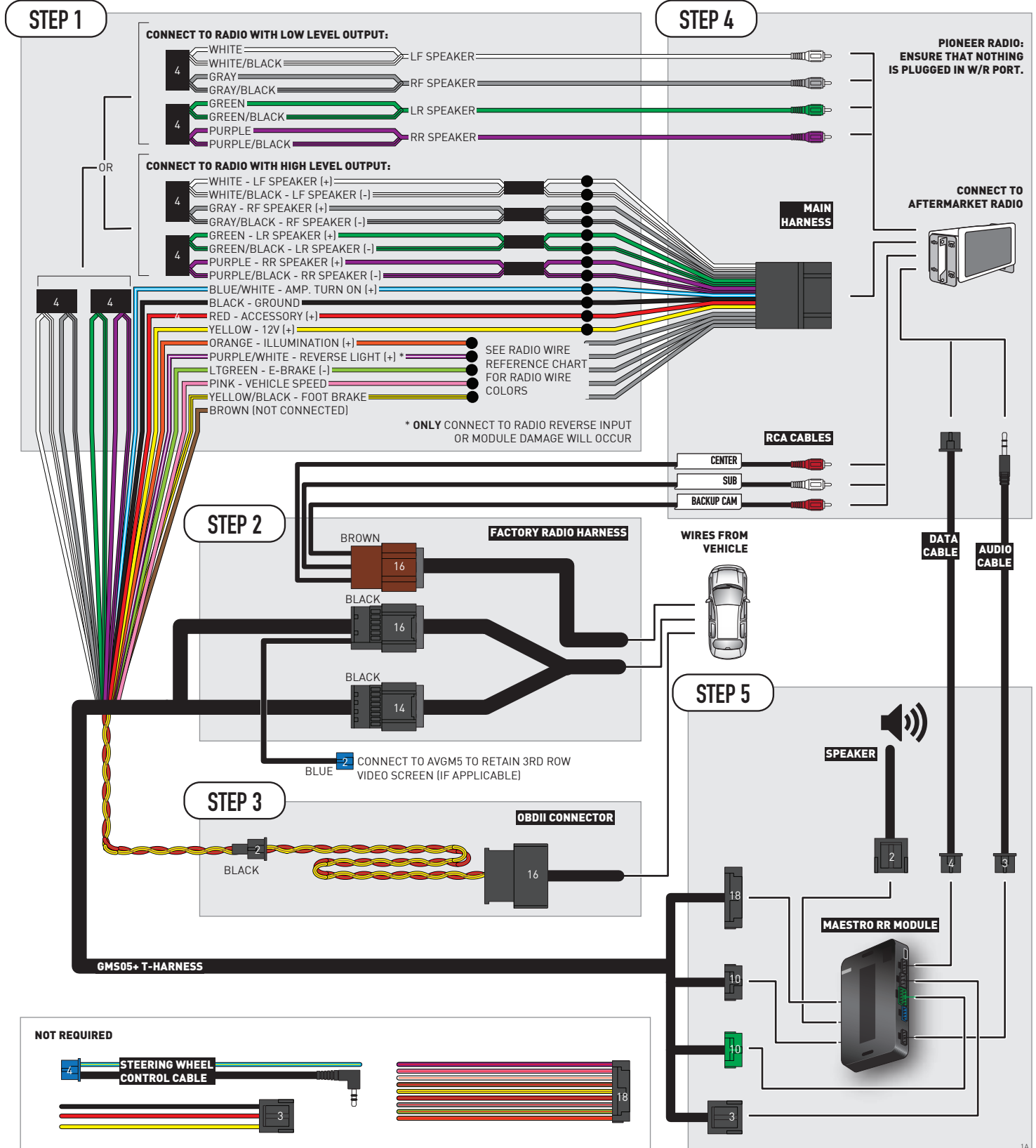
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

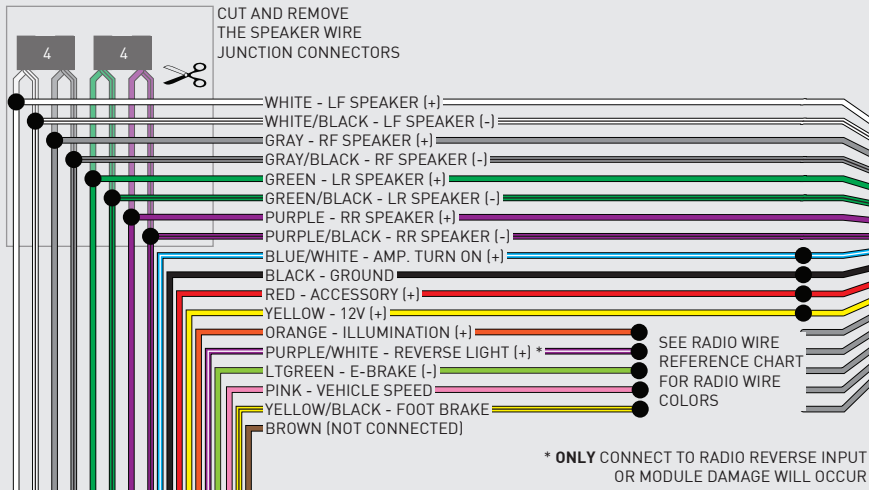
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

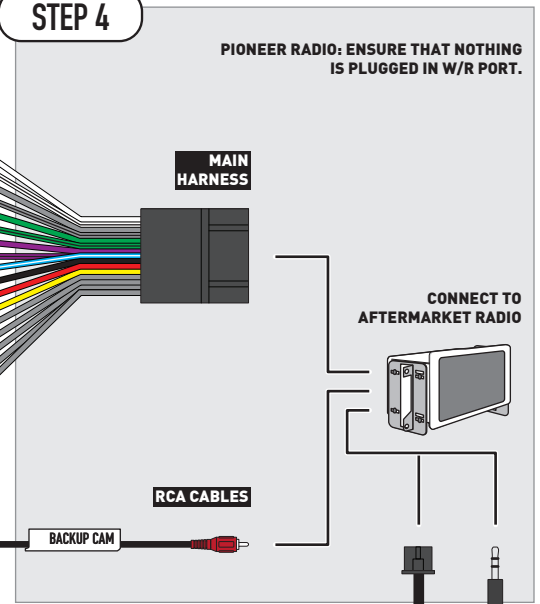


WIRING DIAGRAM *without an Amplifier*

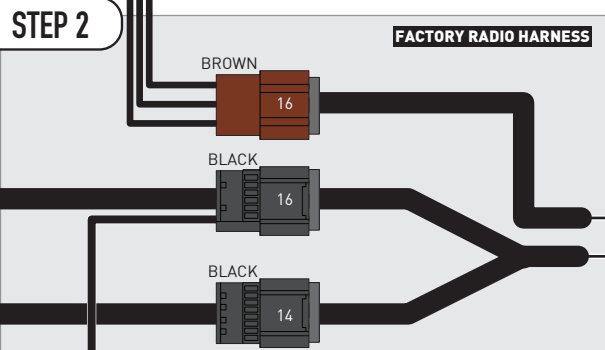
STEP 1



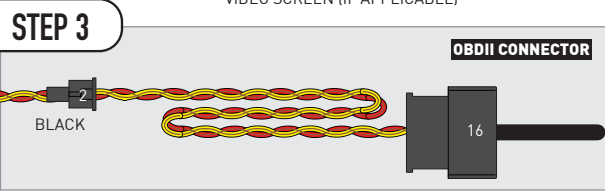
STEP 4



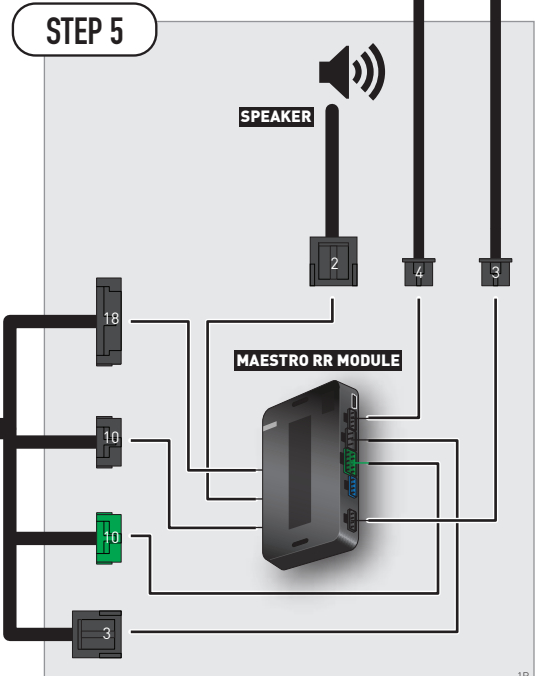
STEP 2



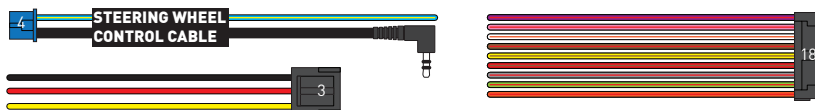
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE											
2GCEK19N031344764					143 5 FXWH2Q					CKI5753											
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U	B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34	K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1	UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692	7YT										
BC/CC	U	8555				692															

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

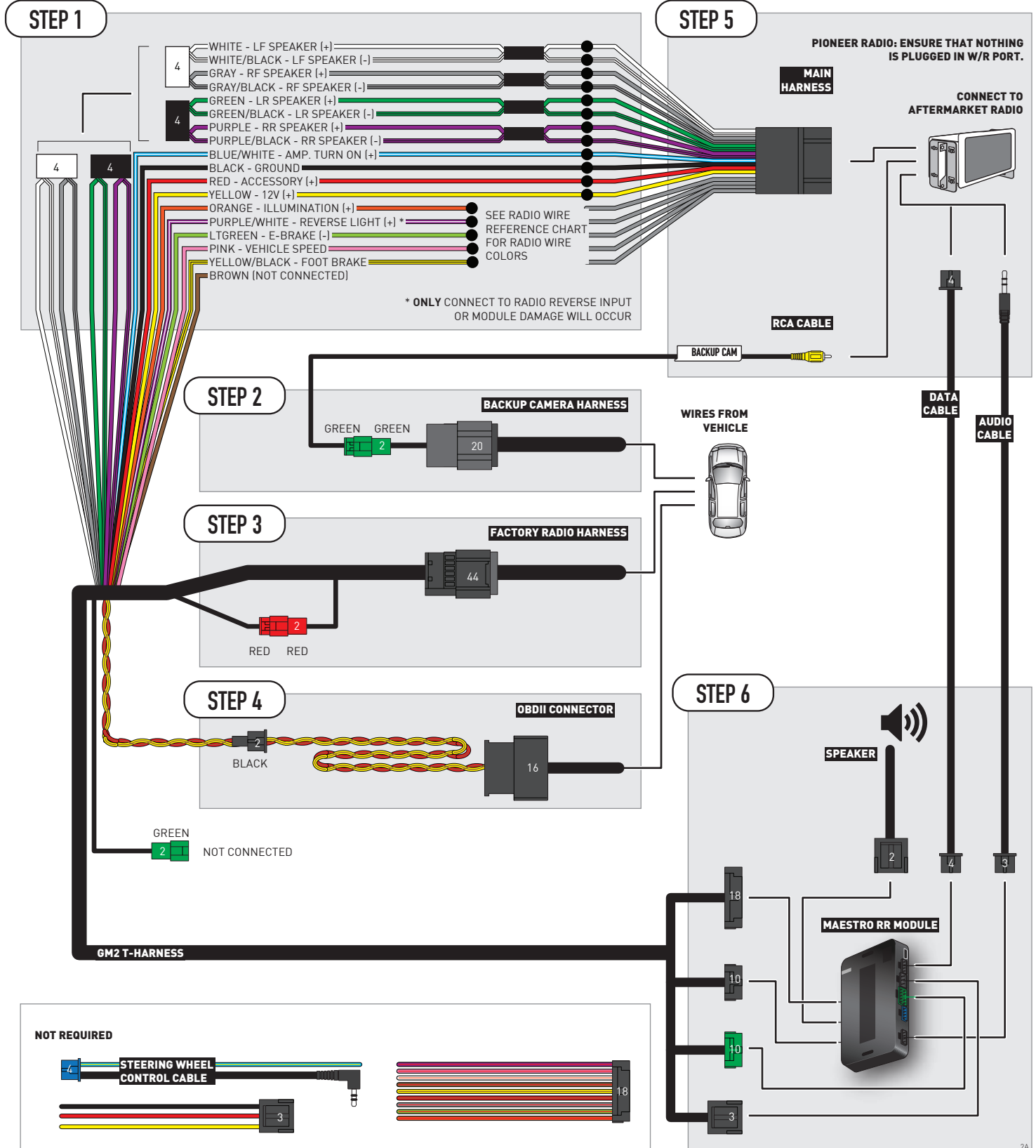
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

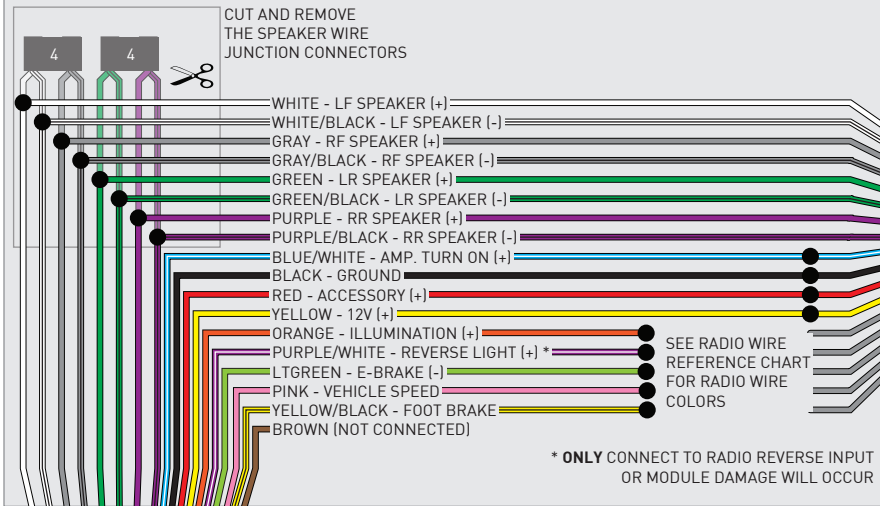
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

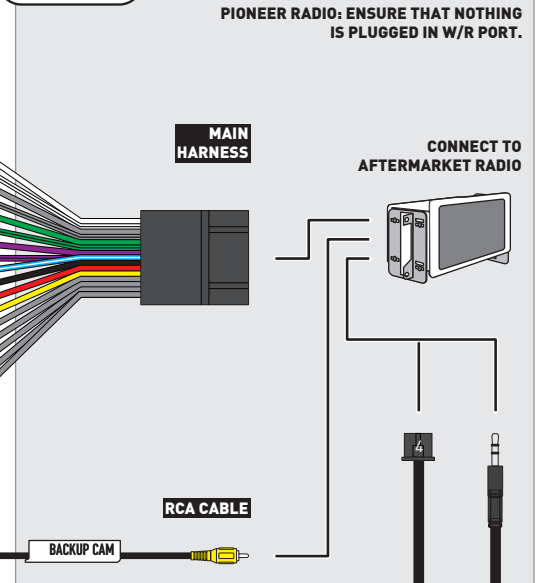


WIRING DIAGRAM *without an Amplifier*

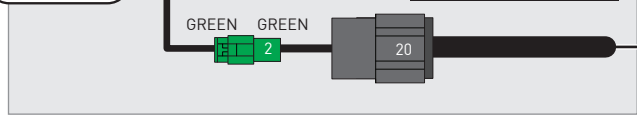
STEP 1



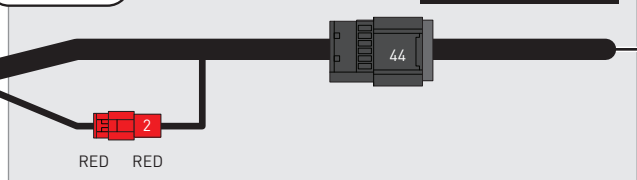
STEP 5



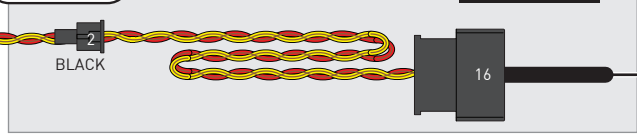
STEP 2



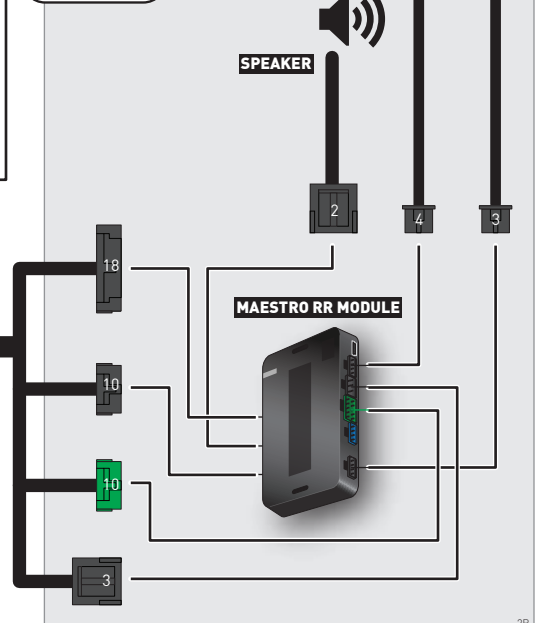
STEP 3



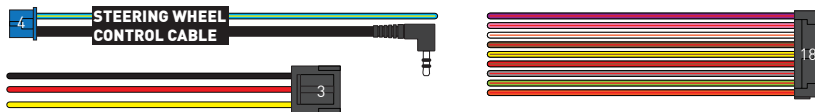
STEP 4



STEP 6



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the **"AMPLIFIER ONLY"** note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

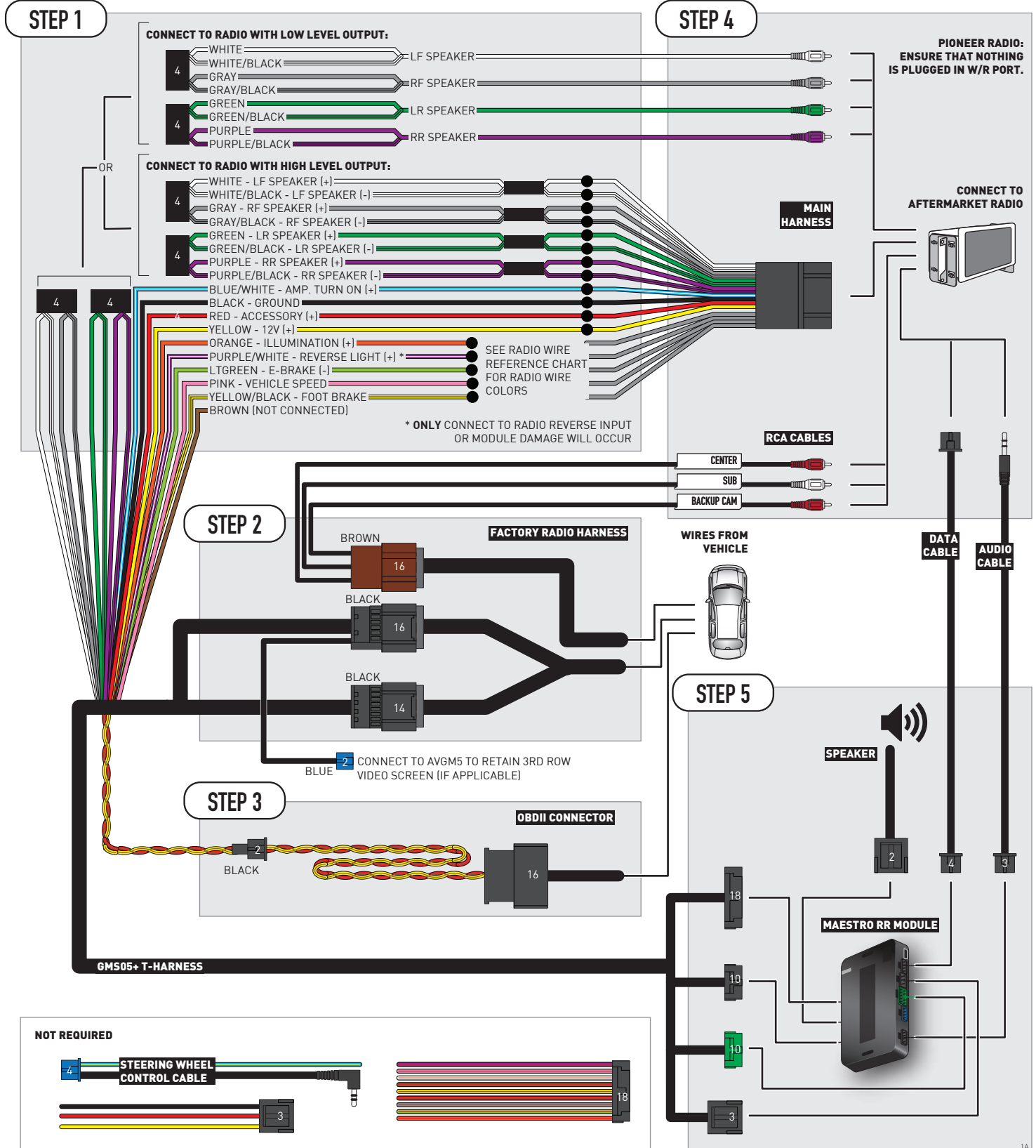
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

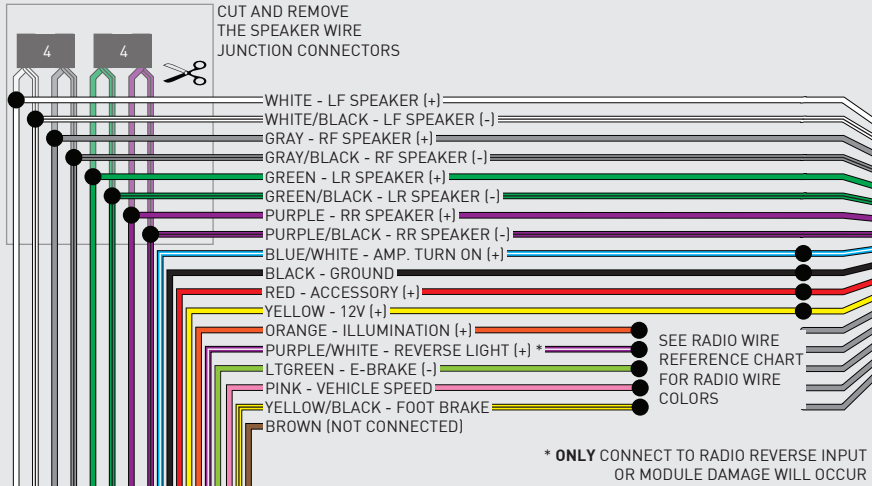
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

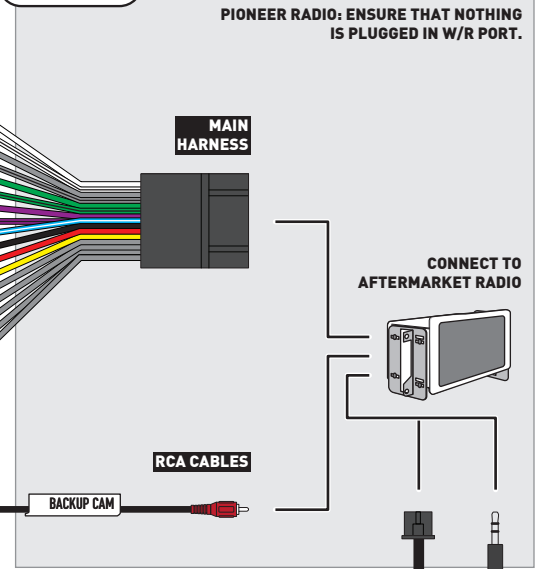


WIRING DIAGRAM *without an Amplifier*

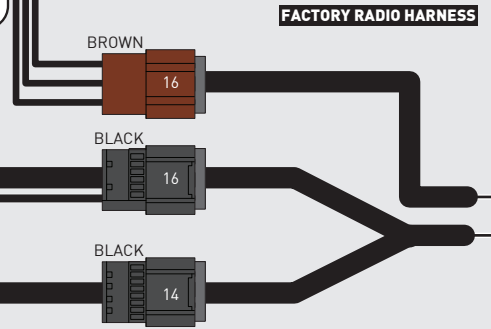
STEP 1



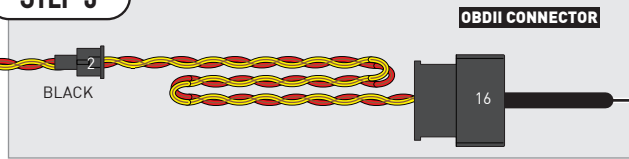
STEP 4



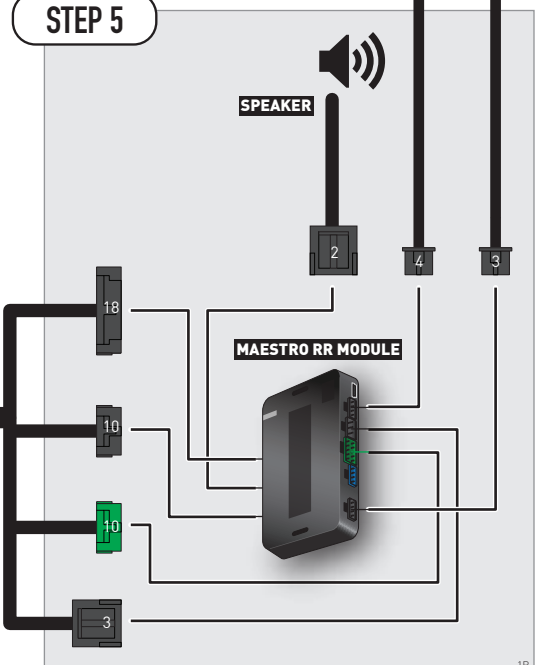
STEP 2



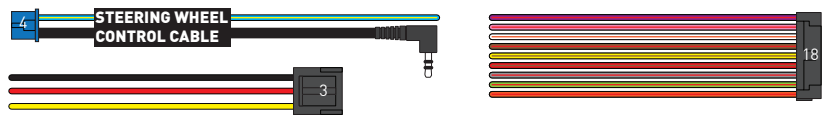
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

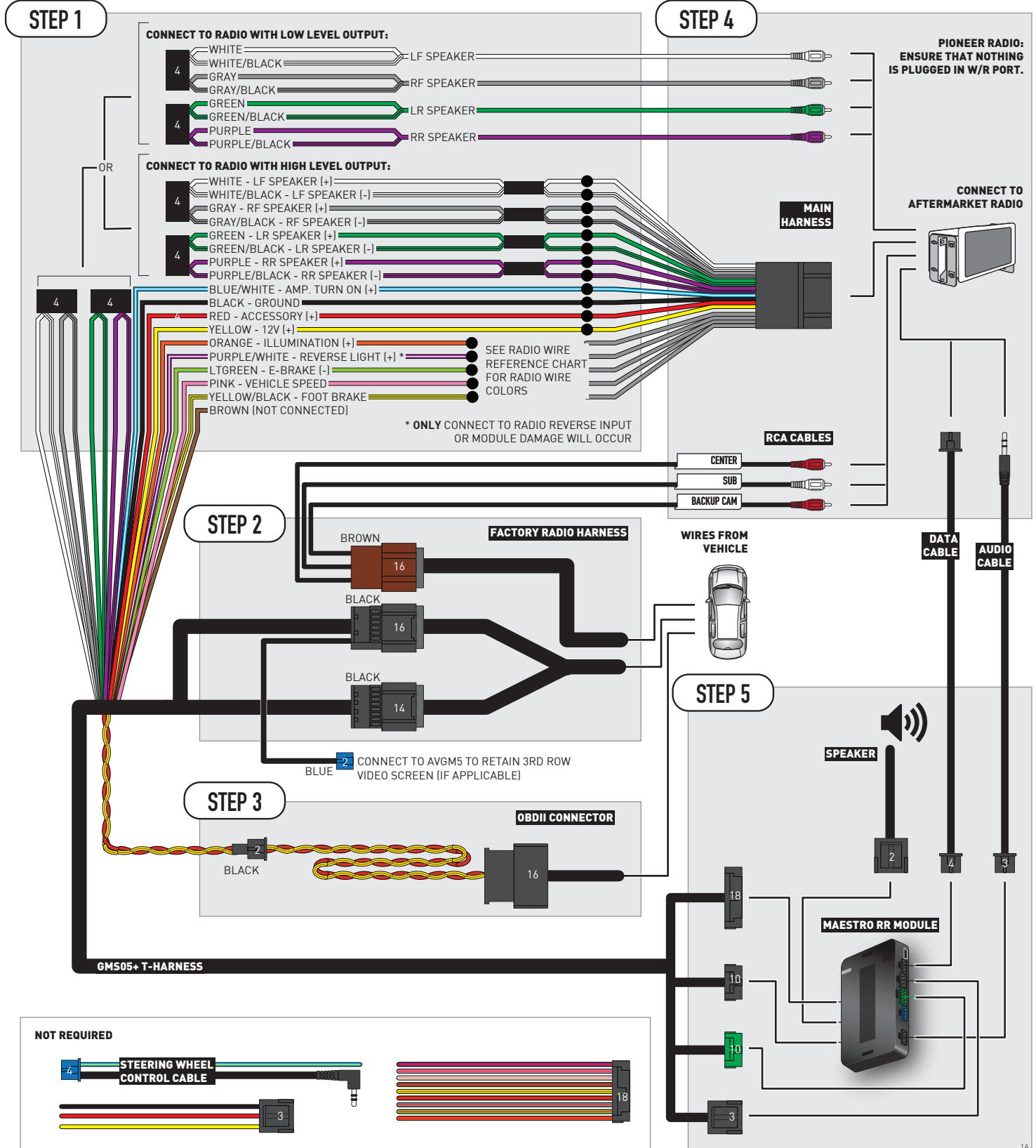
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

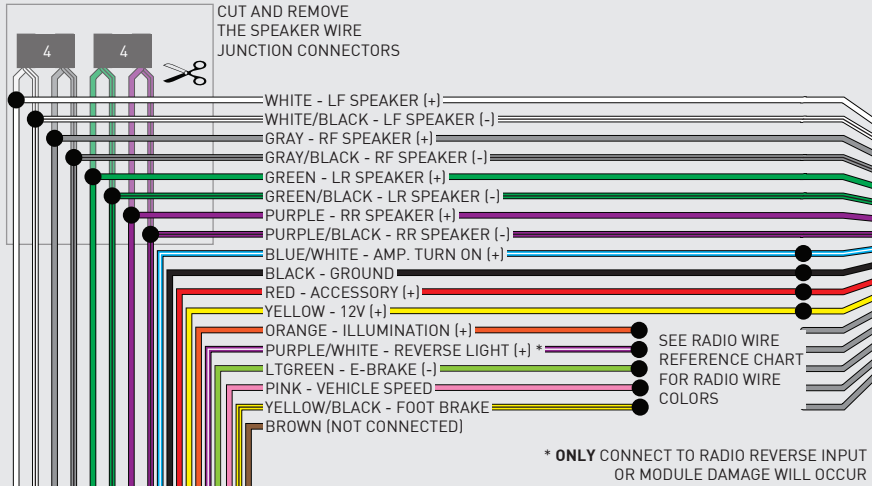
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

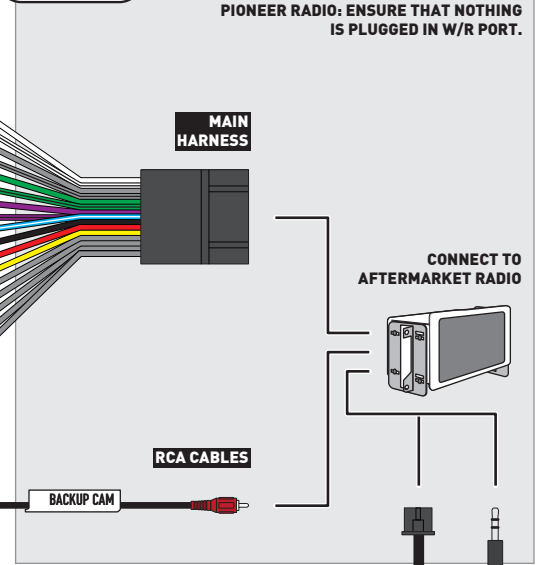


WIRING DIAGRAM *without an Amplifier*

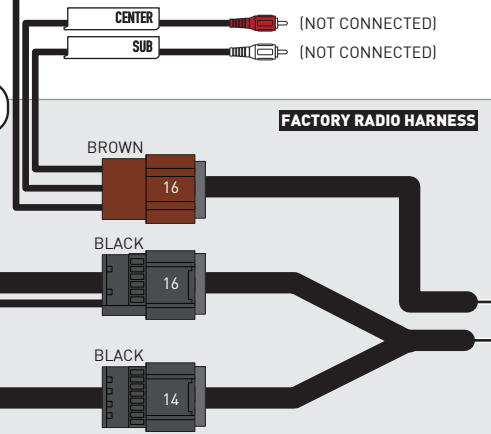
STEP 1



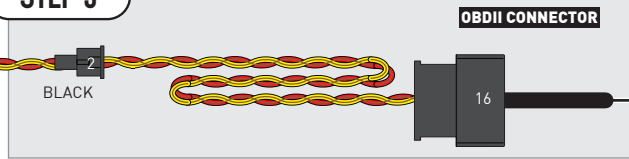
STEP 4



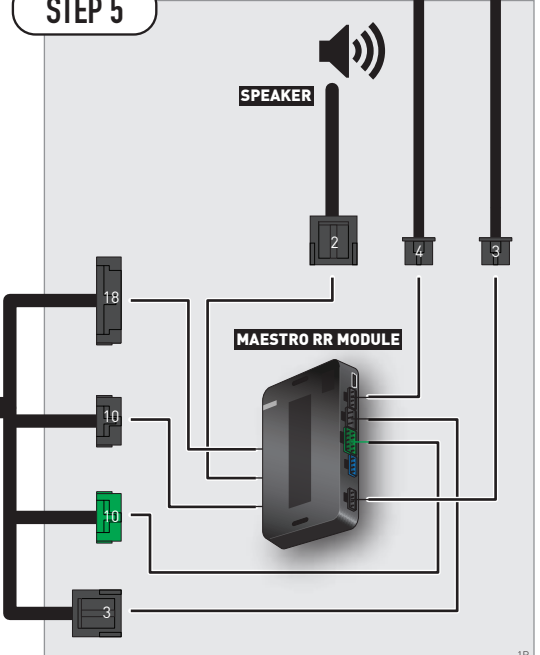
STEP 2



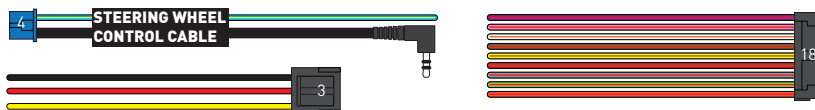
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2012-2014
CHEVROLET SILVERADO 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

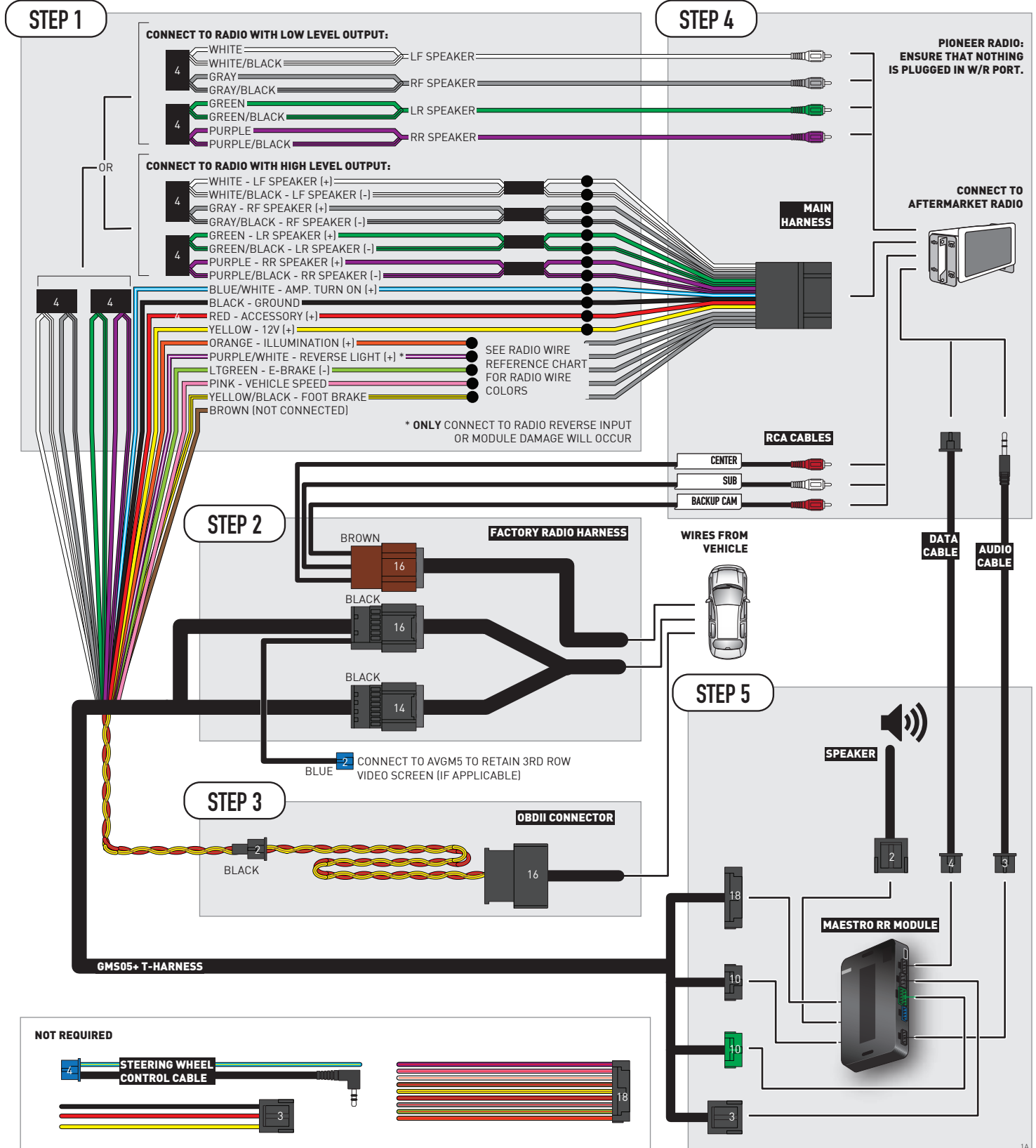
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

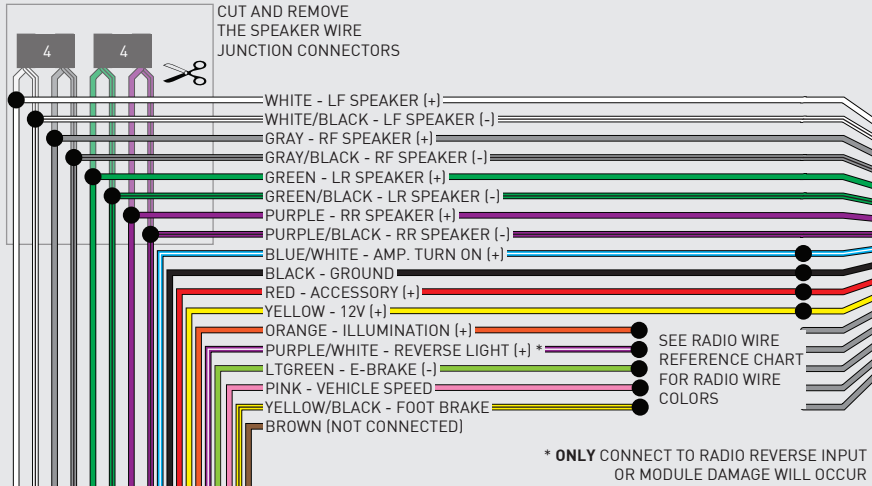
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

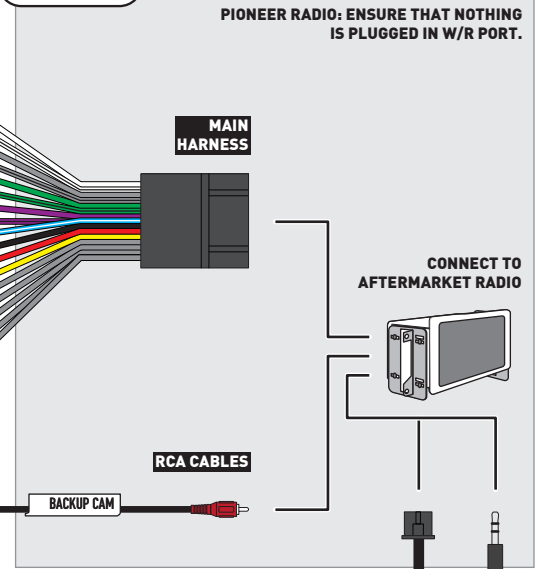


WIRING DIAGRAM *without an Amplifier*

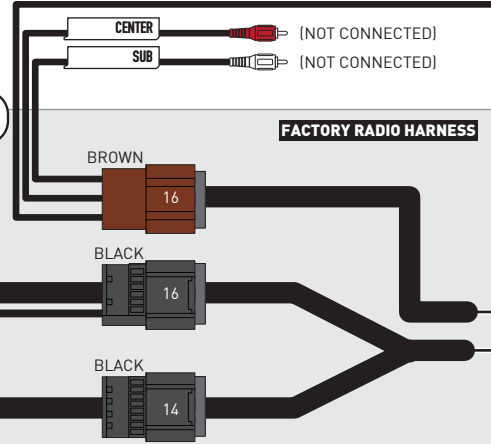
STEP 1



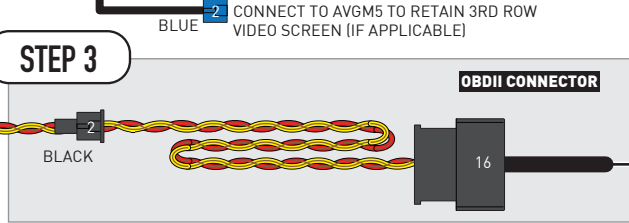
STEP 4



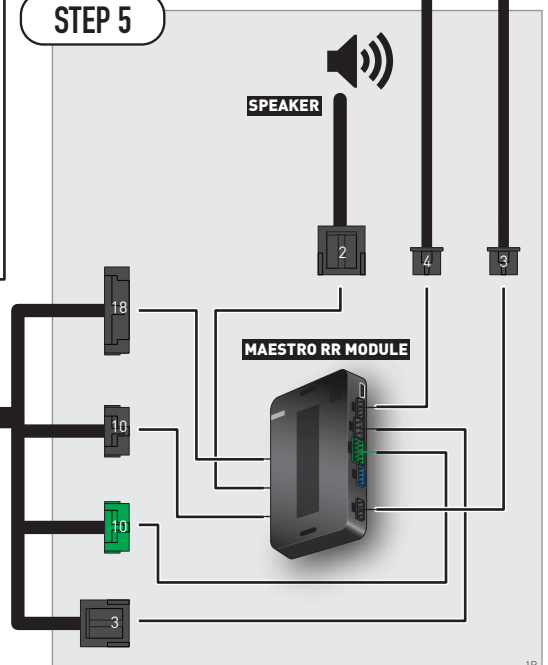
STEP 2



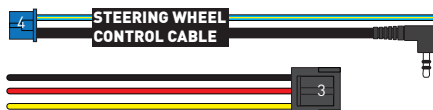
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q		CKI5753	
AG1	AG2	AJ1	AL0	AM7	AN3	AU0	AU3
B58	B81	B82	CJ3	C49	C7H	DF5	DK7
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU
7YT							
BC/CC	U	8555			692		

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

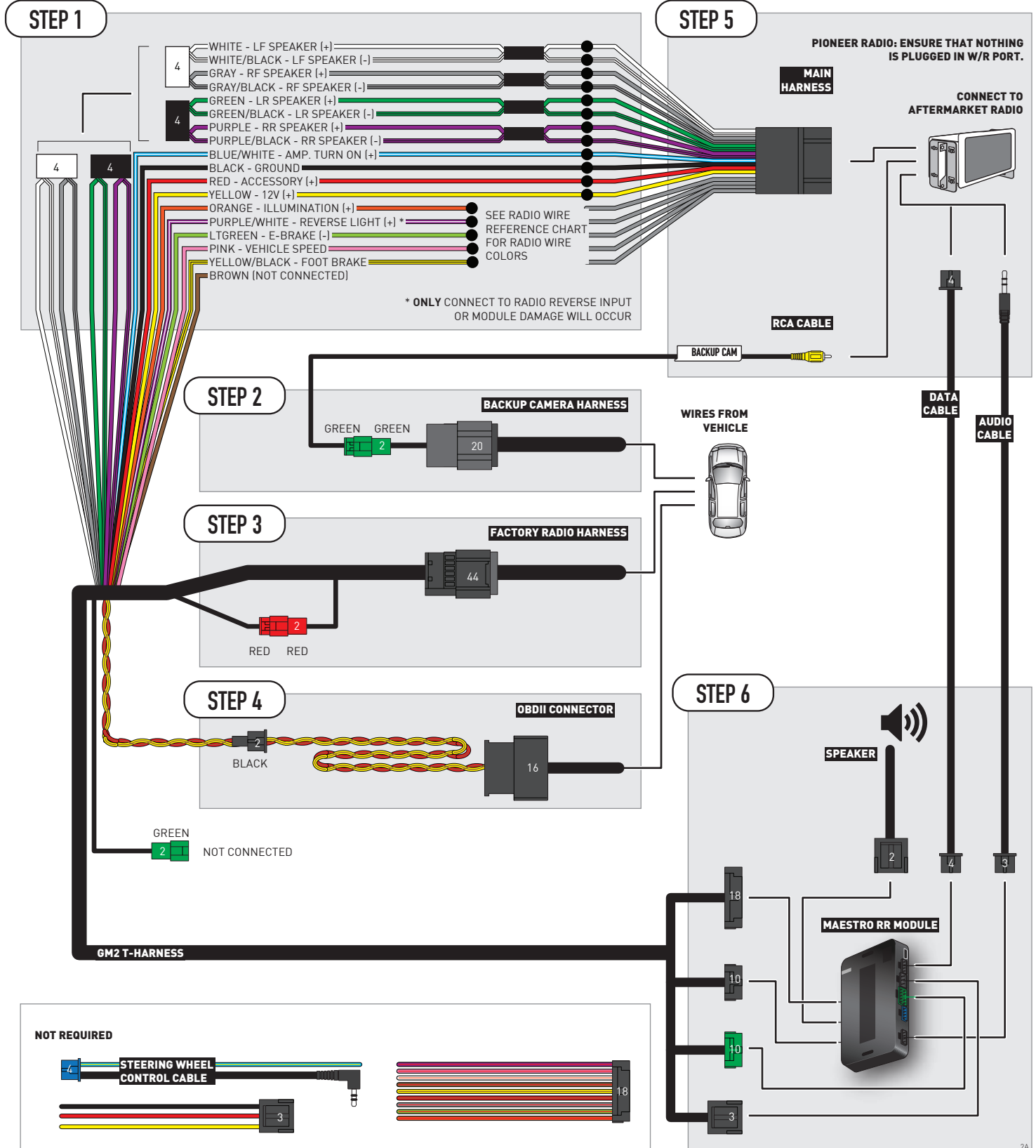
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

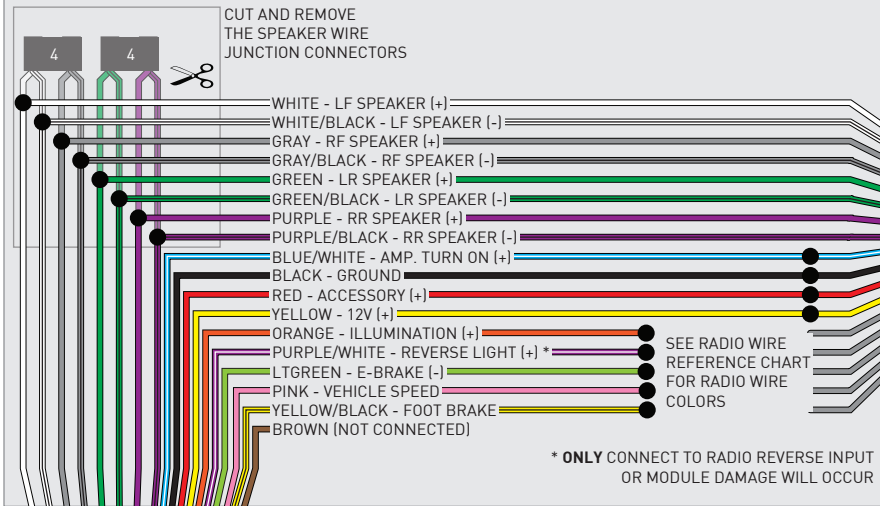
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

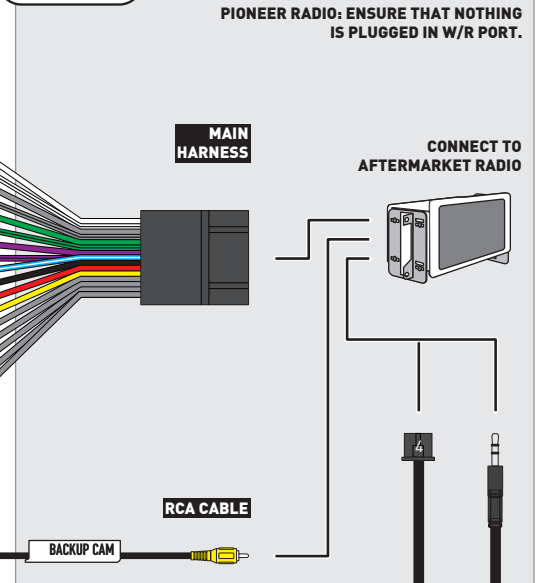


WIRING DIAGRAM *without an Amplifier*

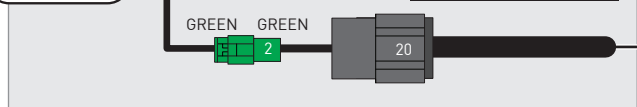
STEP 1



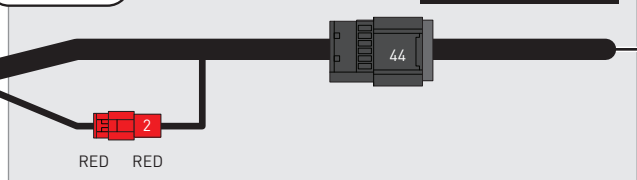
STEP 5



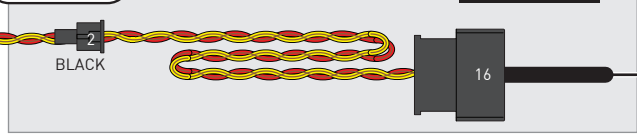
STEP 2



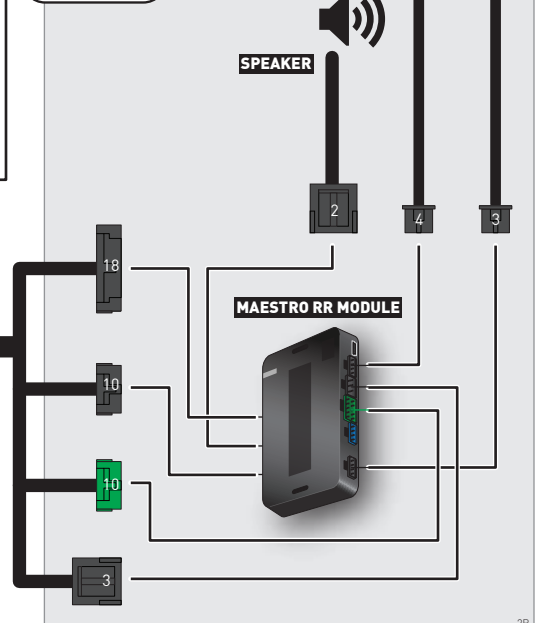
STEP 3



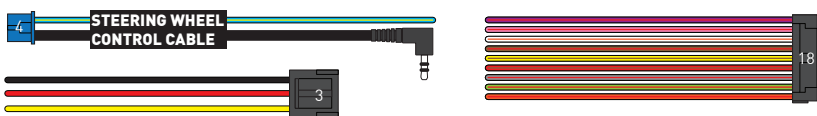
STEP 4



STEP 6



NOT REQUIRED












RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

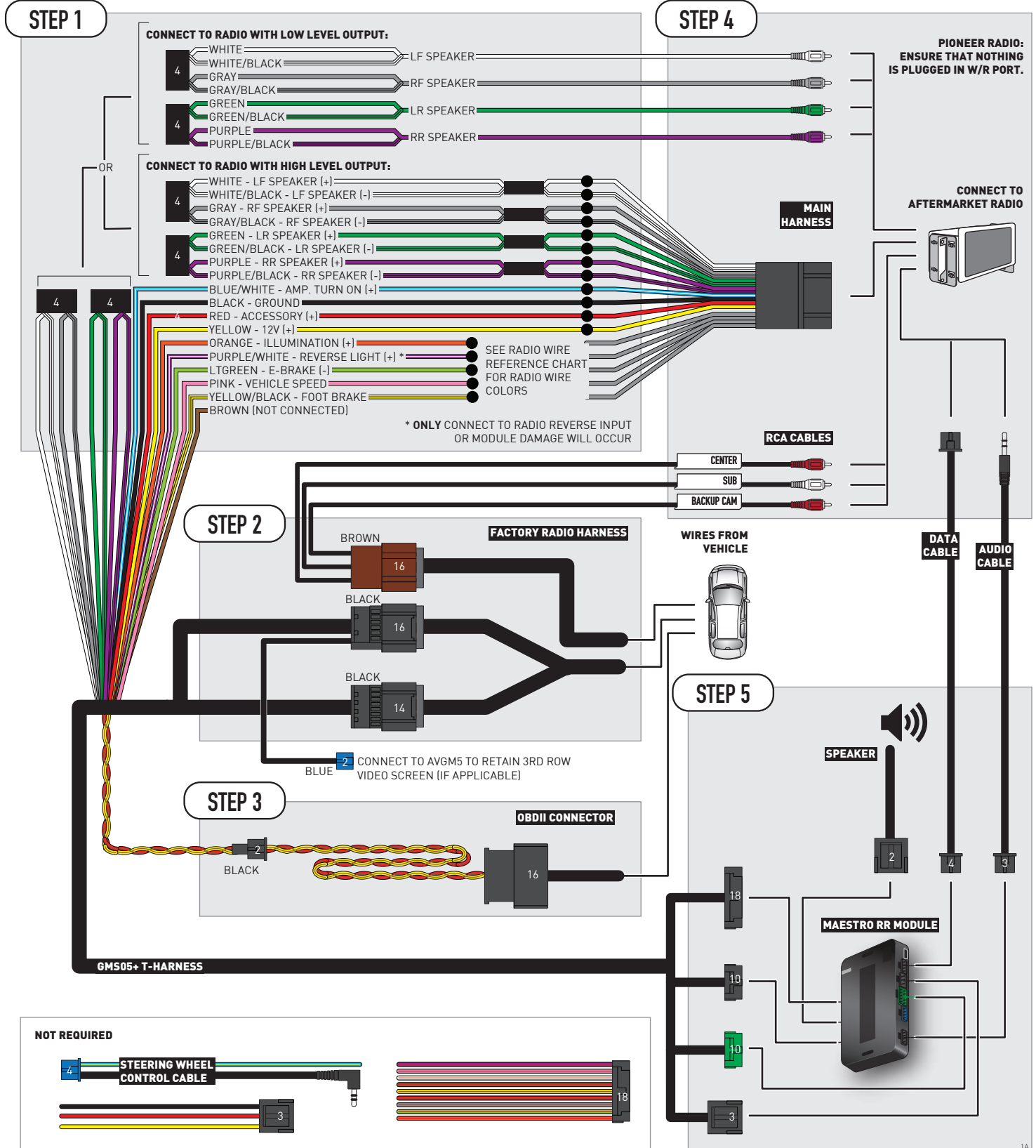
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

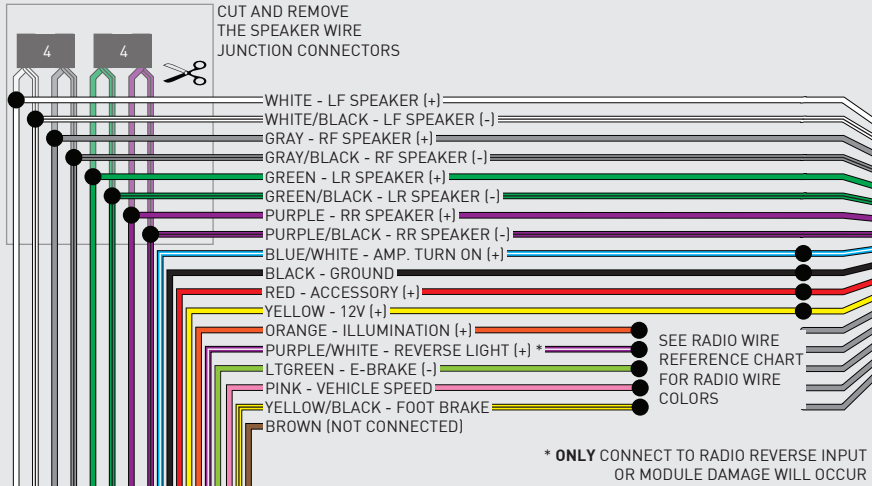
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

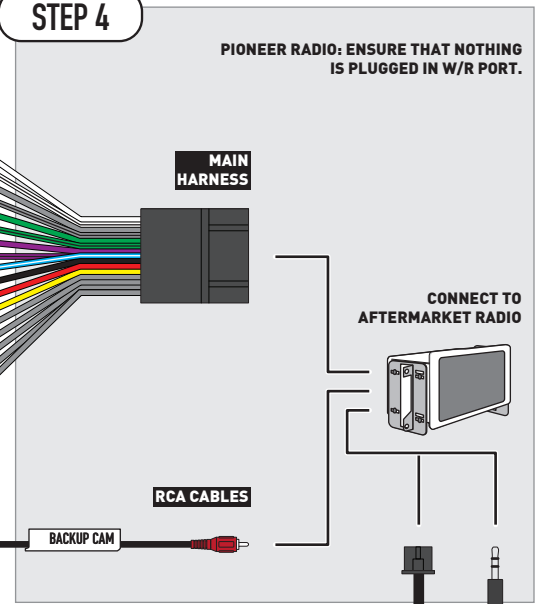


WIRING DIAGRAM *without an Amplifier*

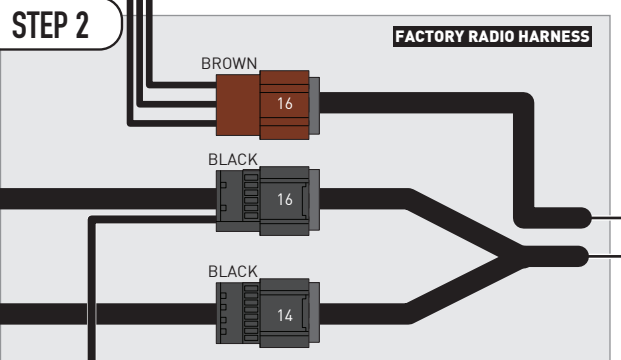
STEP 1



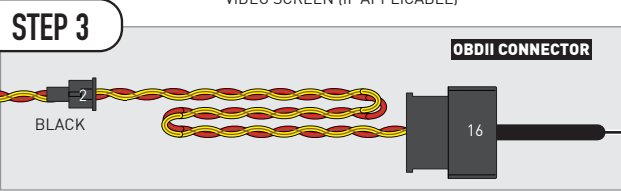
STEP 4



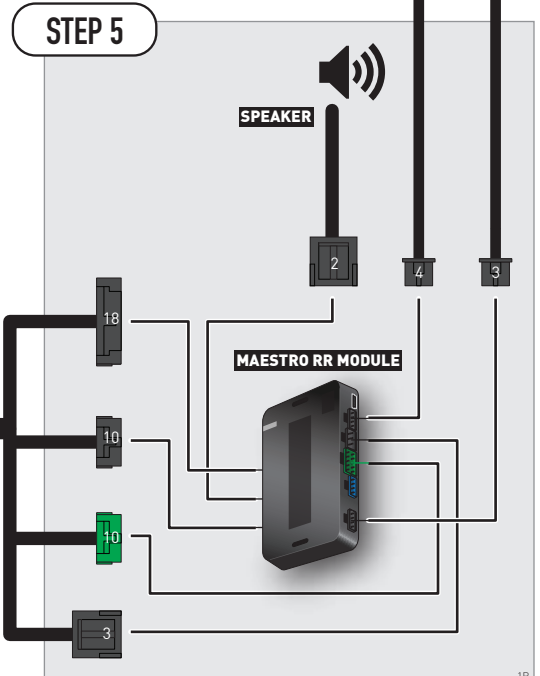
STEP 2



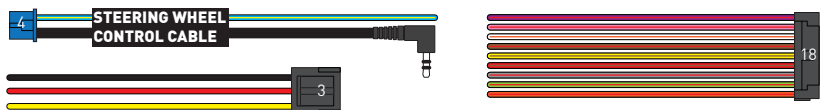
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

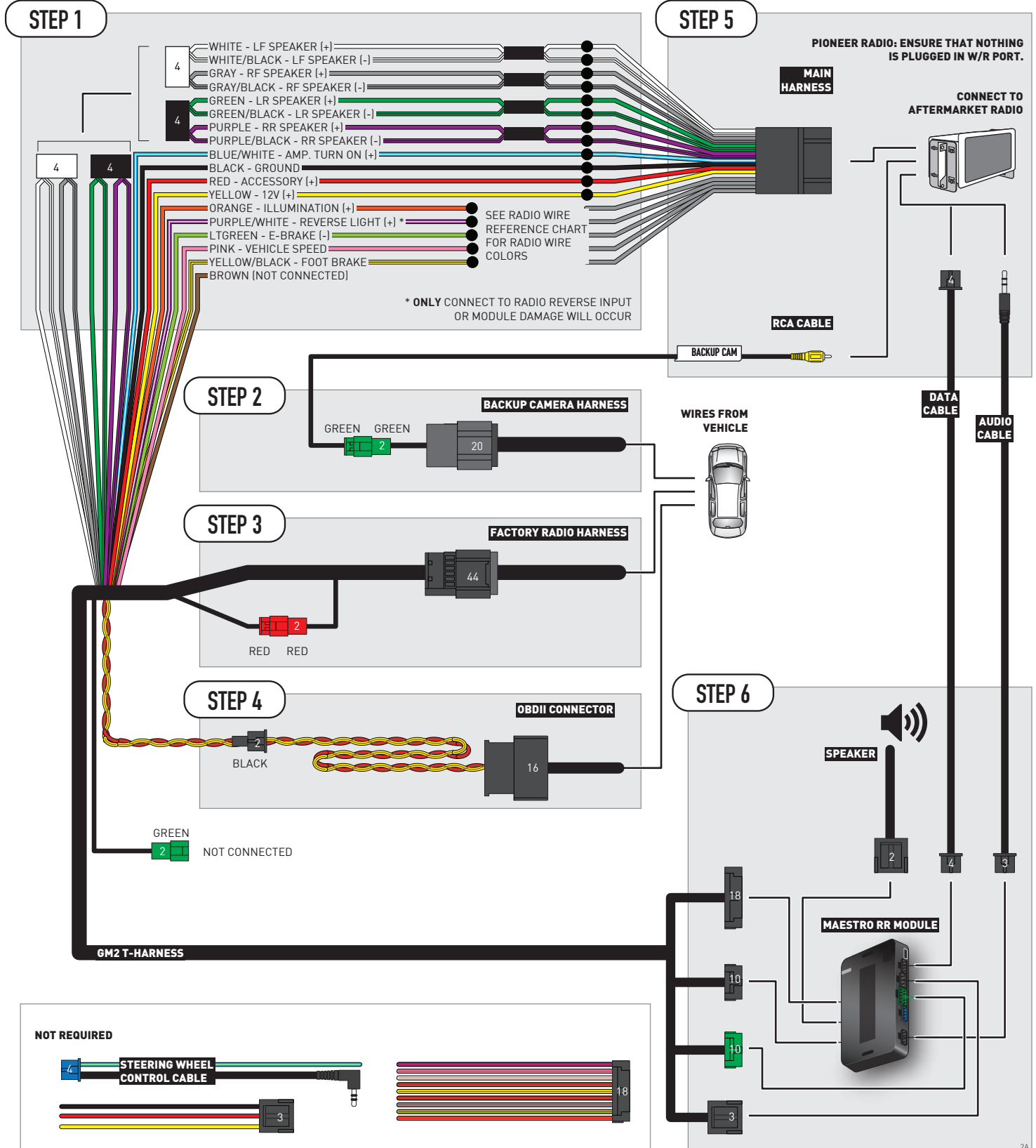
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

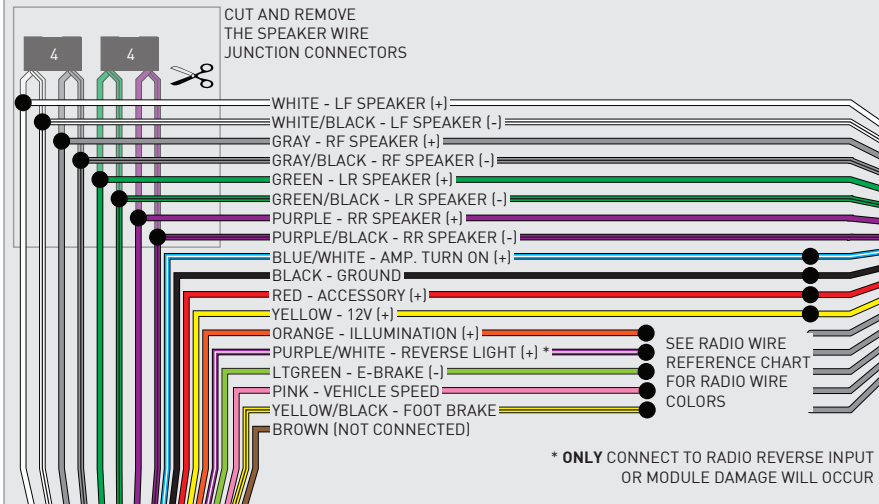
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

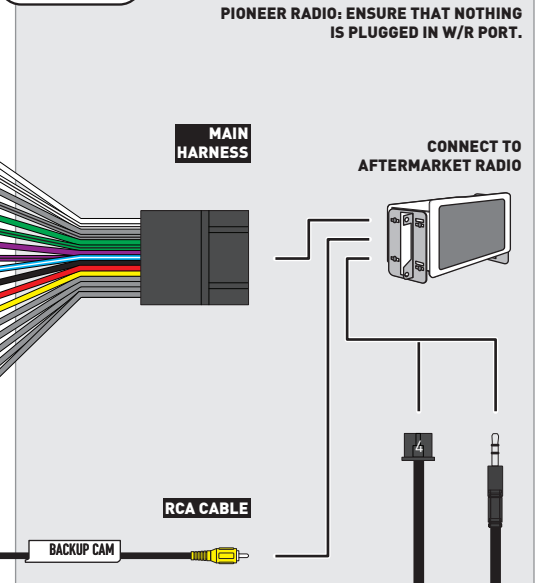


WIRING DIAGRAM *without an Amplifier*

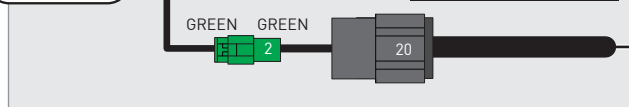
STEP 1



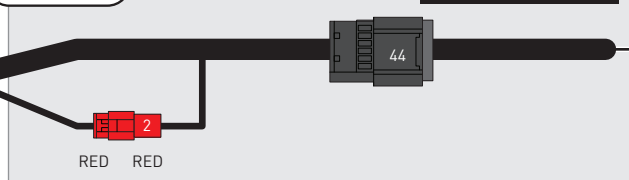
STEP 5



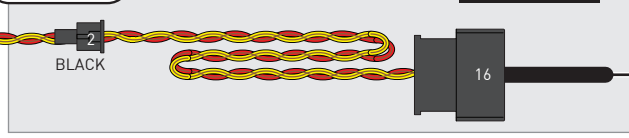
STEP 2



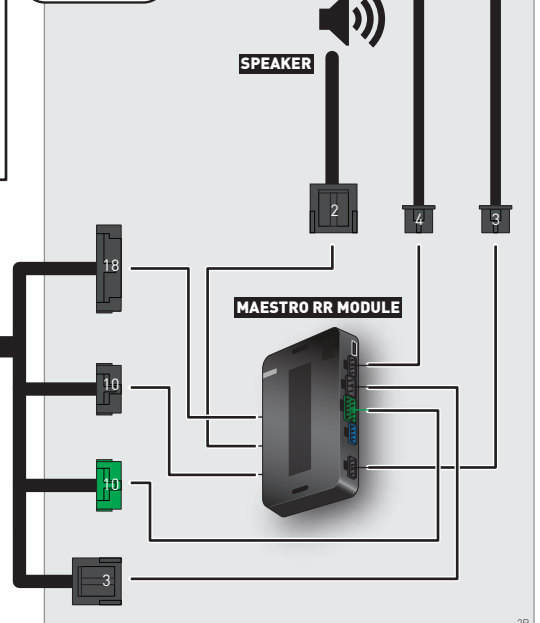
STEP 3



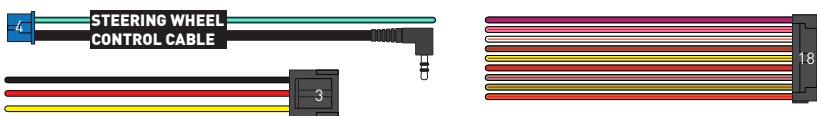
STEP 4



STEP 6



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

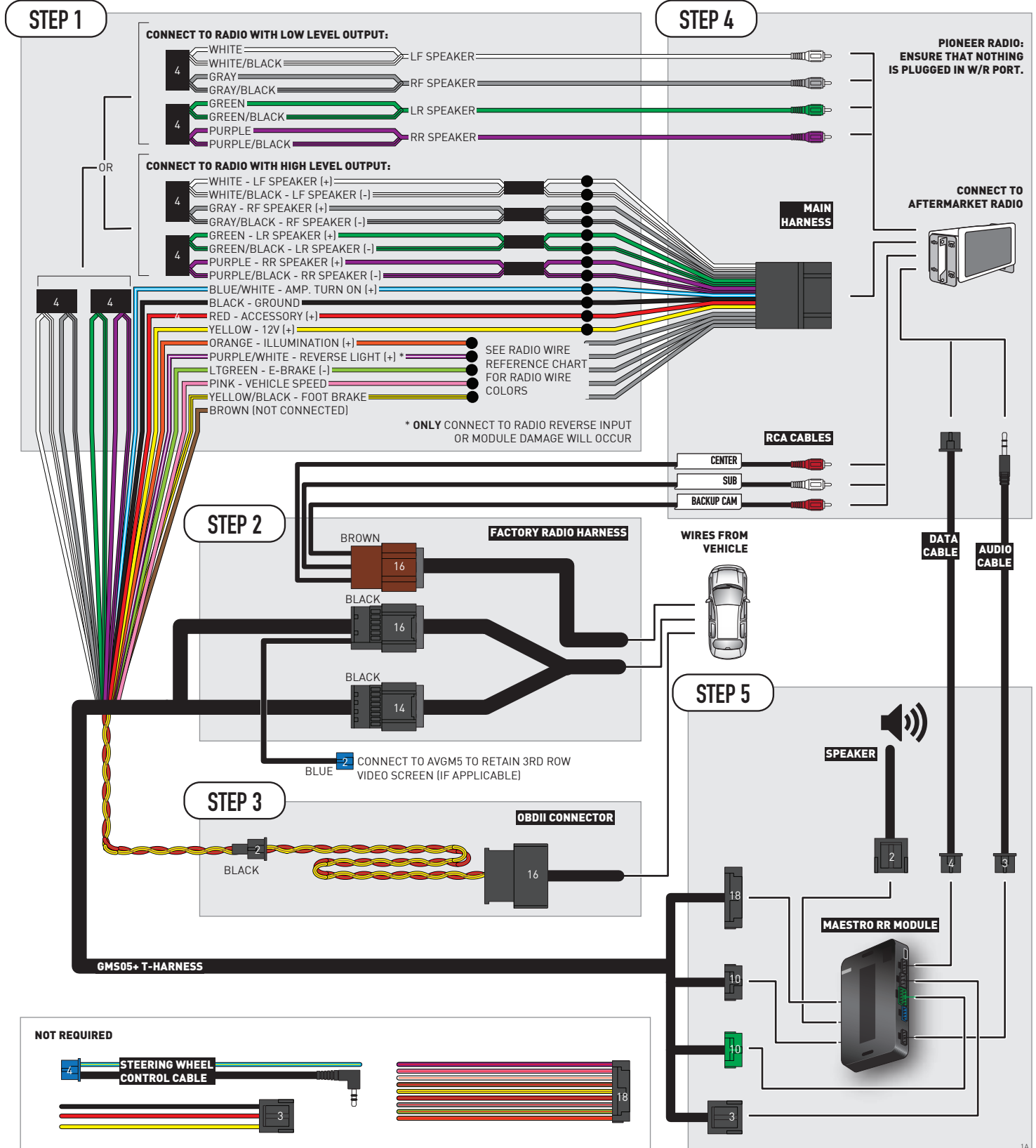
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

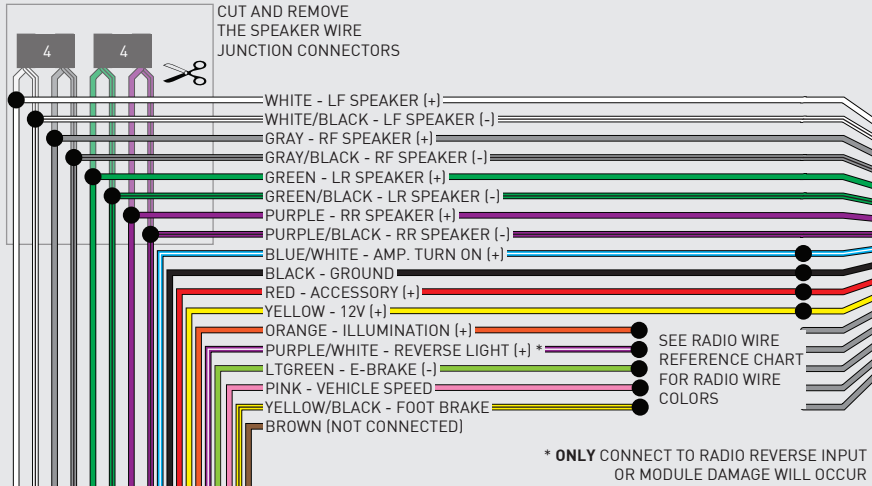
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

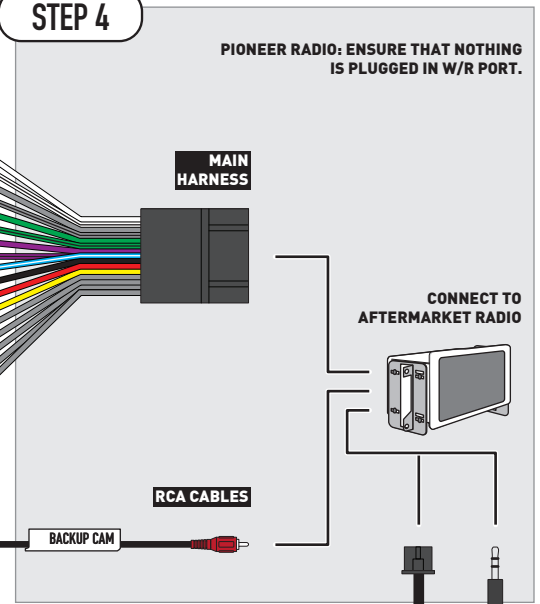


WIRING DIAGRAM *without an Amplifier*

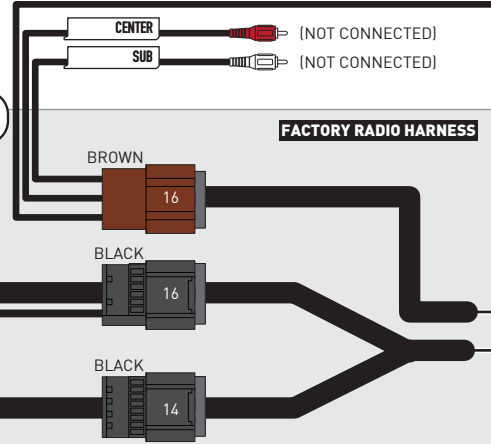
STEP 1



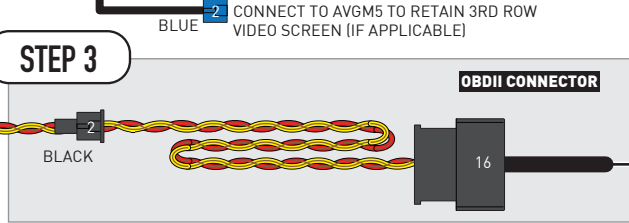
STEP 4



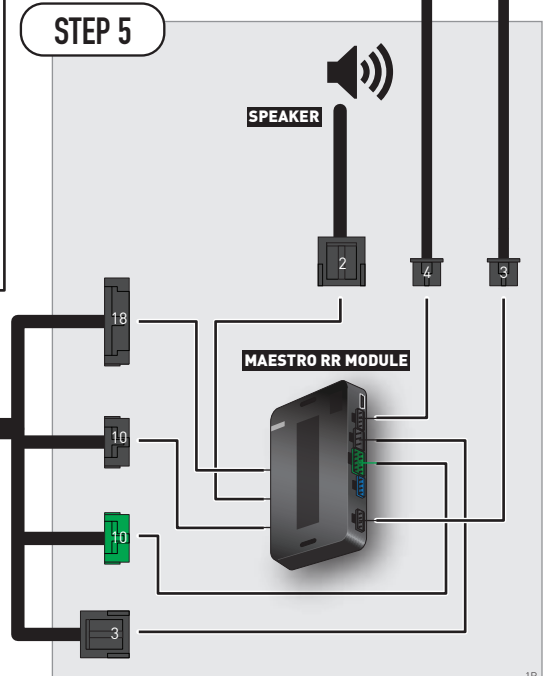
STEP 2



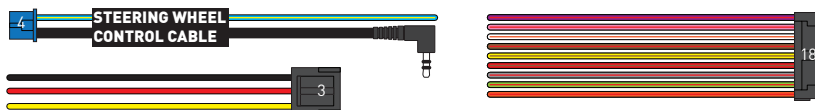
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

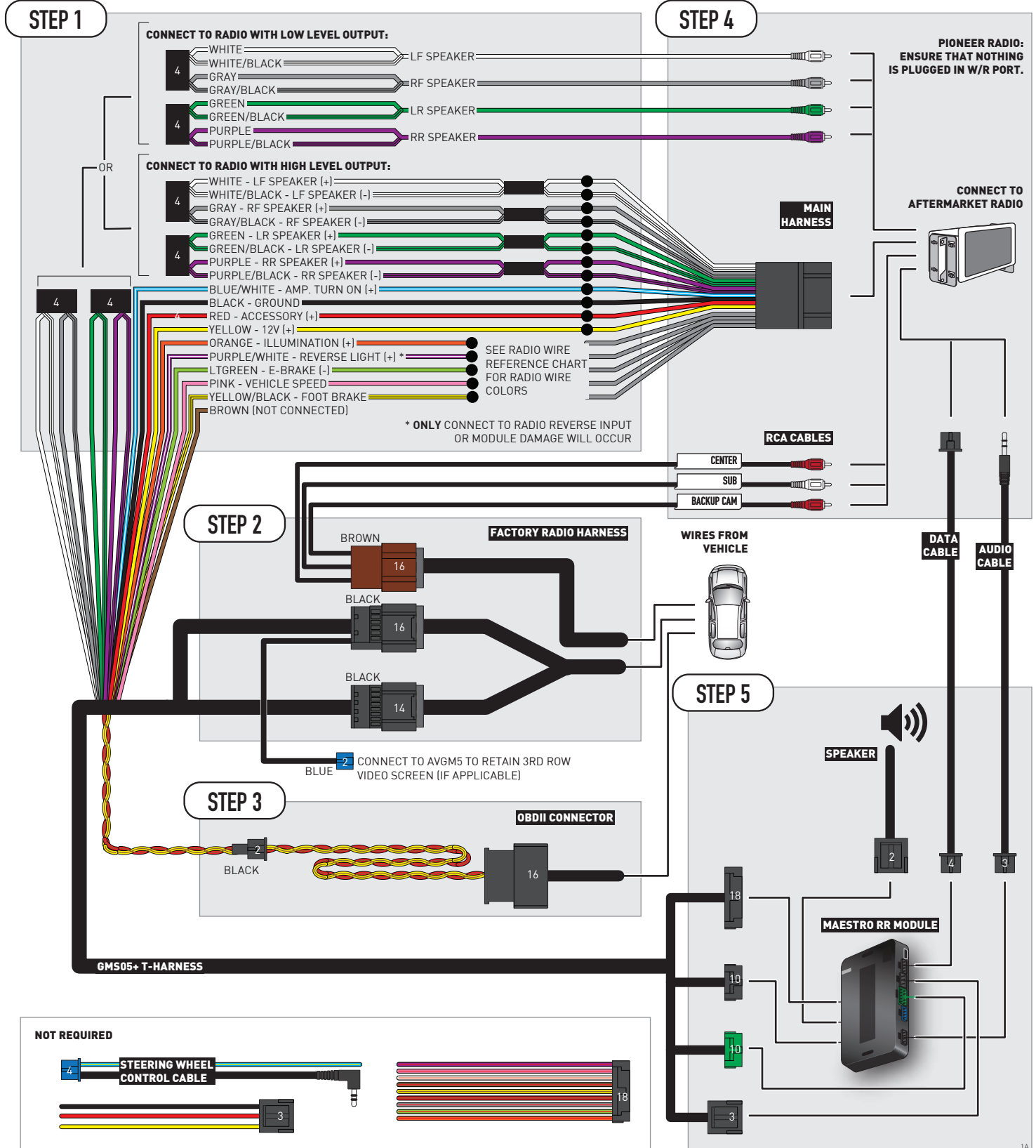
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

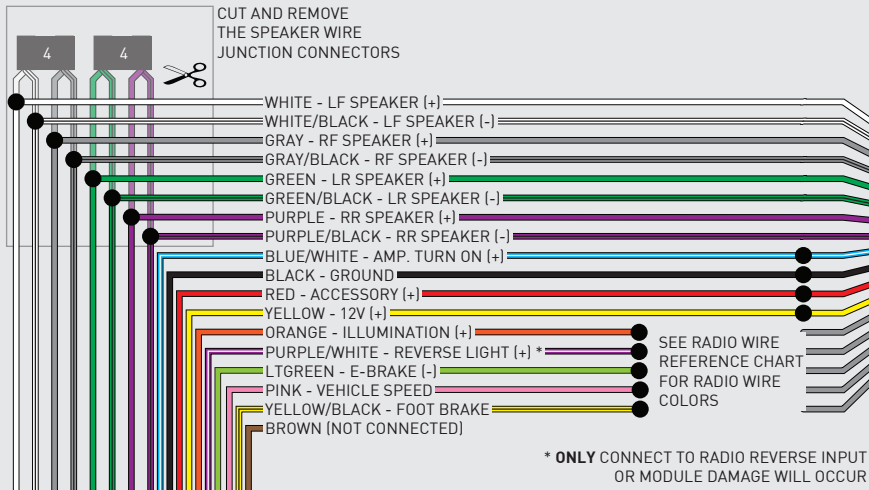
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

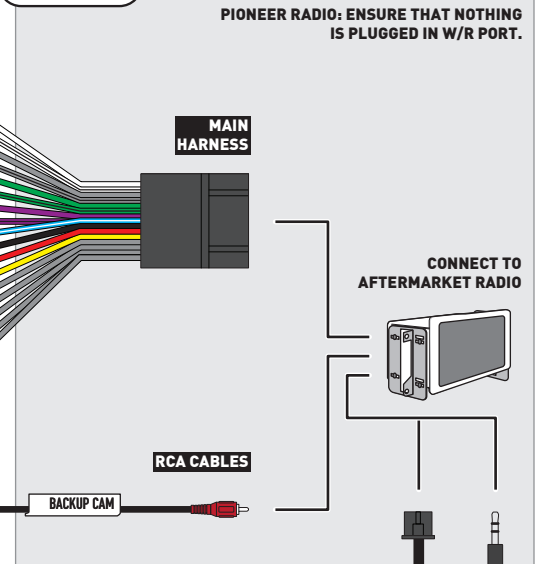


WIRING DIAGRAM *without an Amplifier*

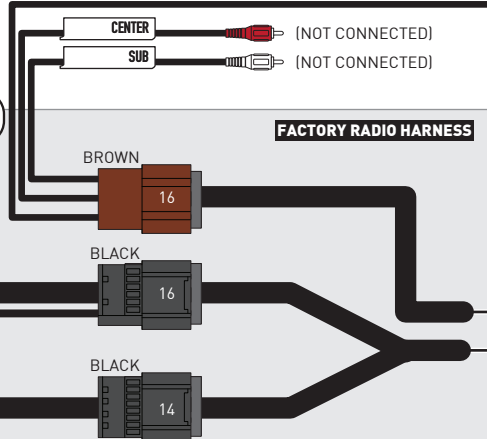
STEP 1



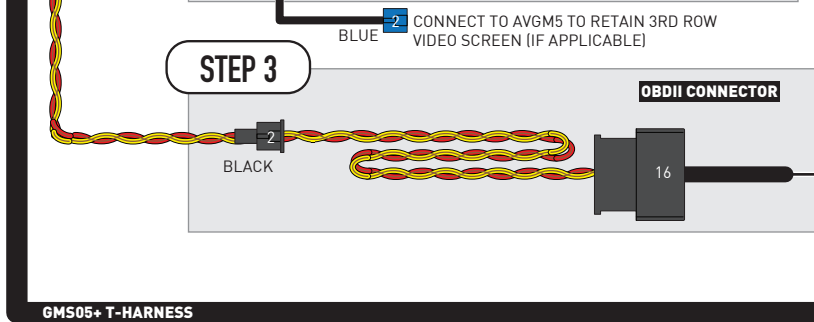
STEP 4



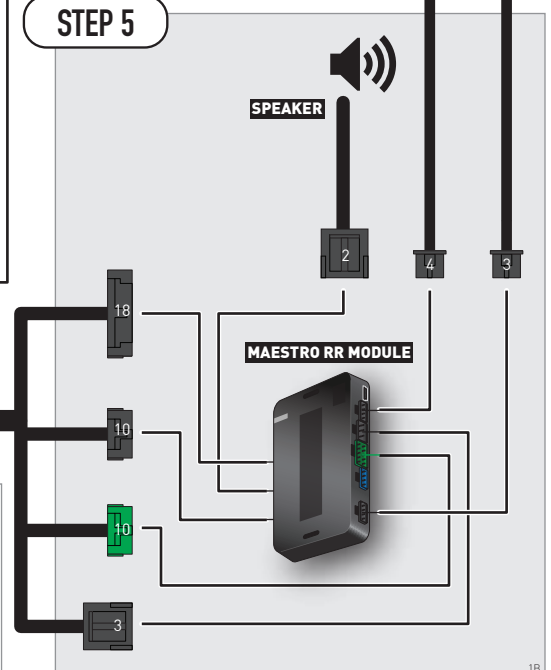
STEP 2



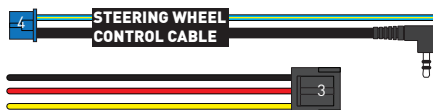
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q				CKI5753					
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U			
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07			
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34			
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS			
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1			
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9			
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692			
7YT													
BC/CC	U	8555				692							

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

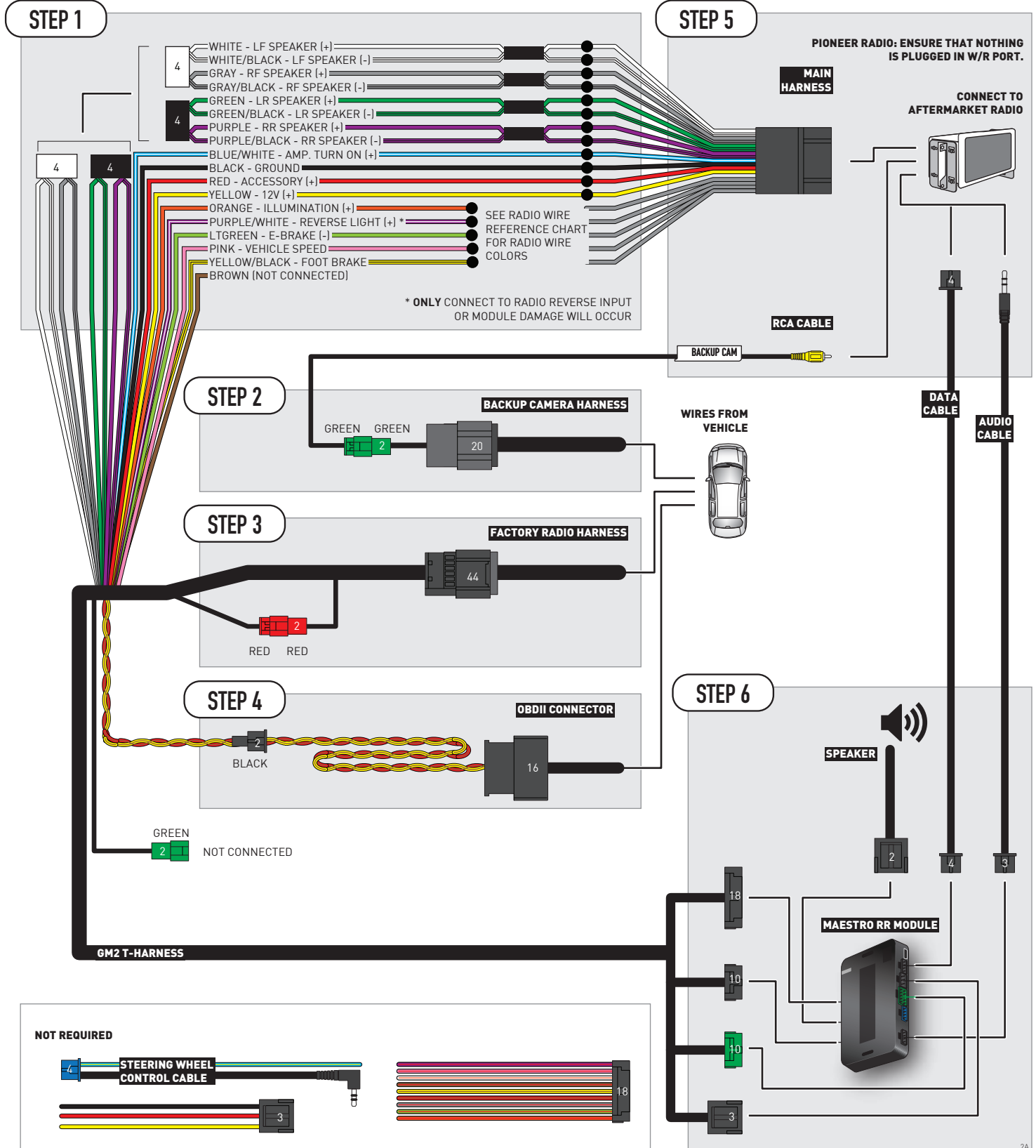
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

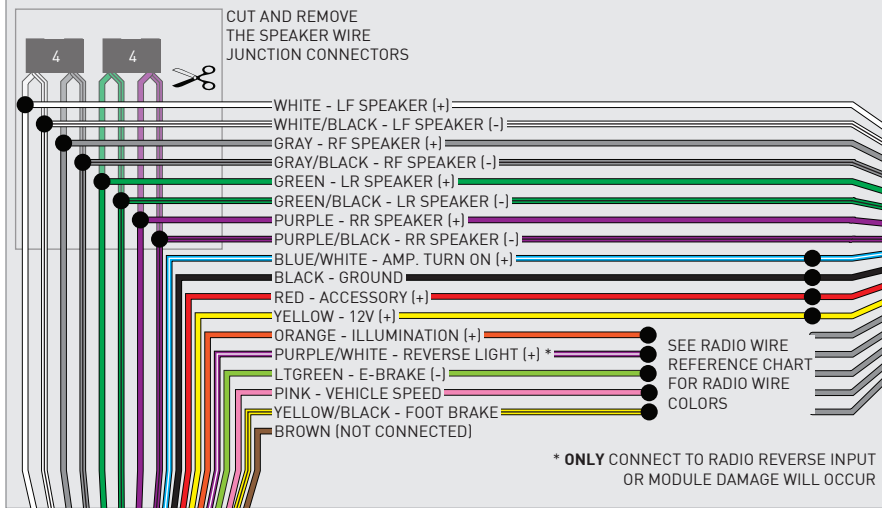
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

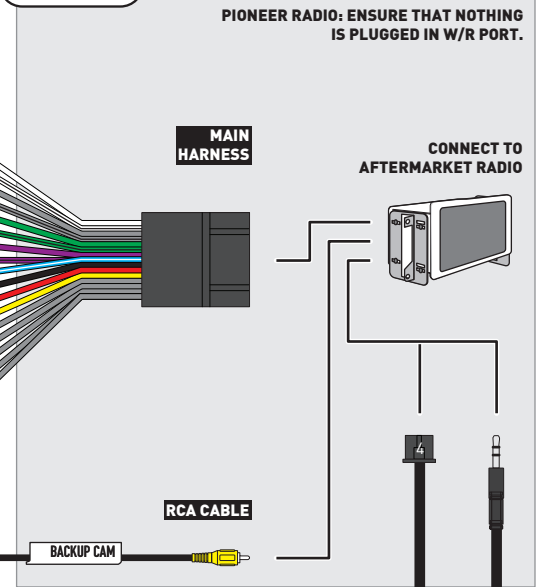


WIRING DIAGRAM *without an Amplifier*

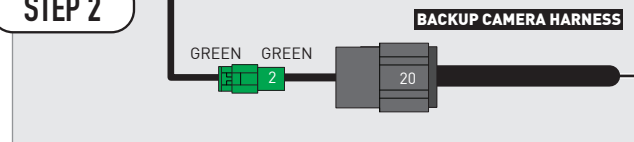
STEP 1



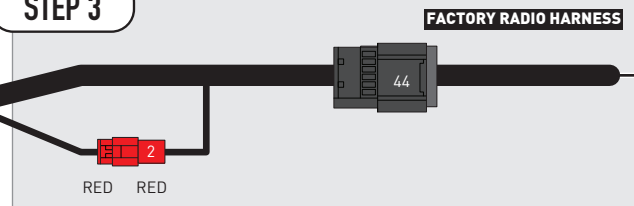
STEP 5



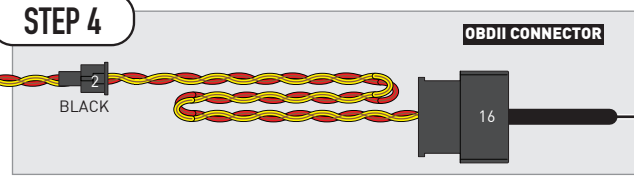
STEP 2



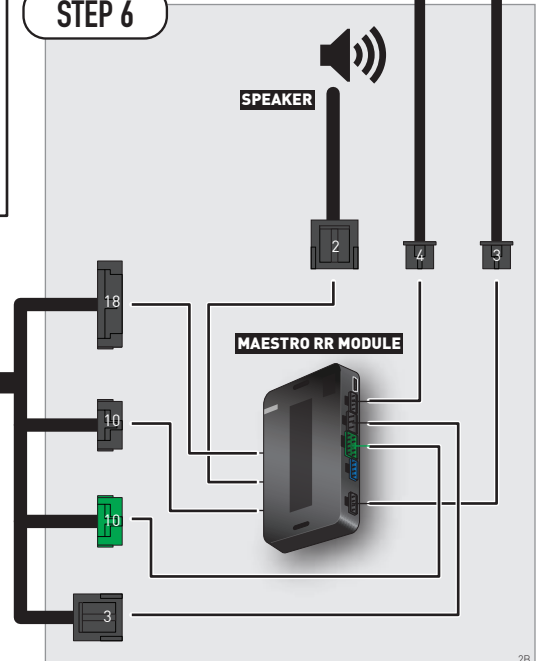
STEP 3



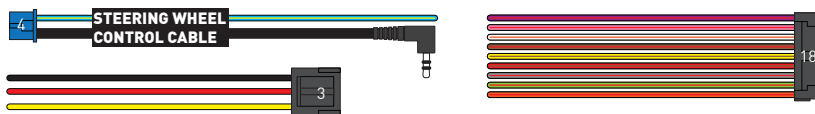
STEP 4



STEP 6



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

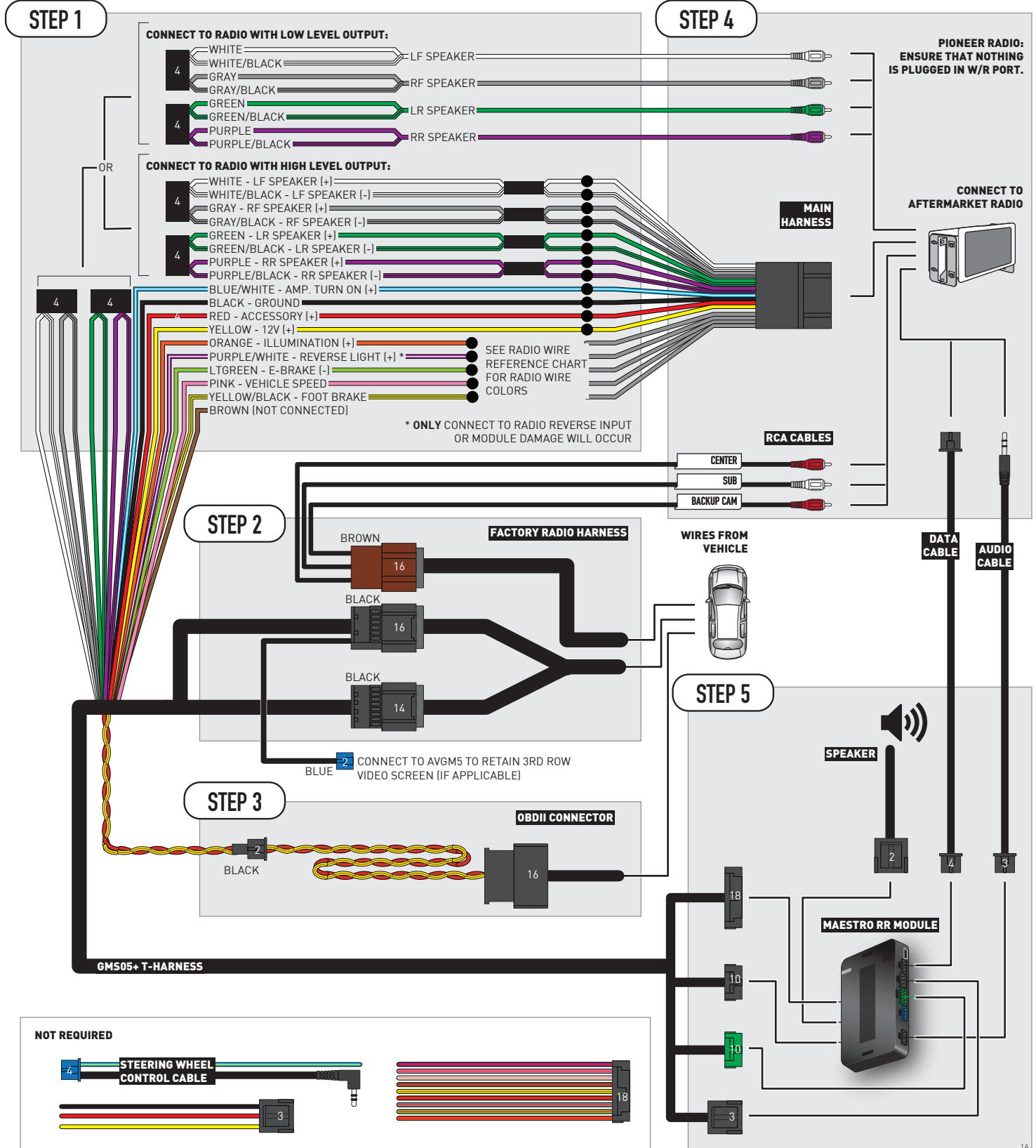
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

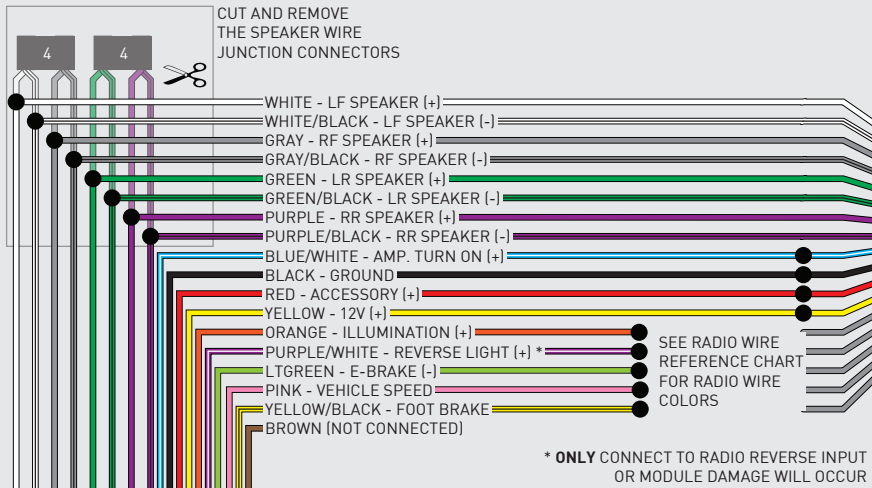
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

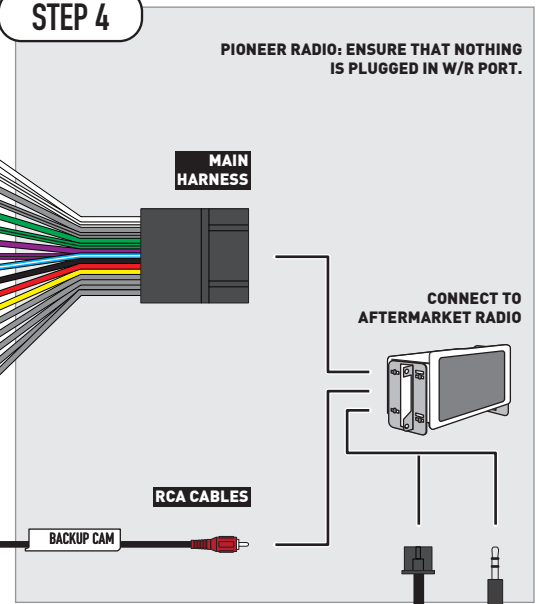


WIRING DIAGRAM *without an Amplifier*

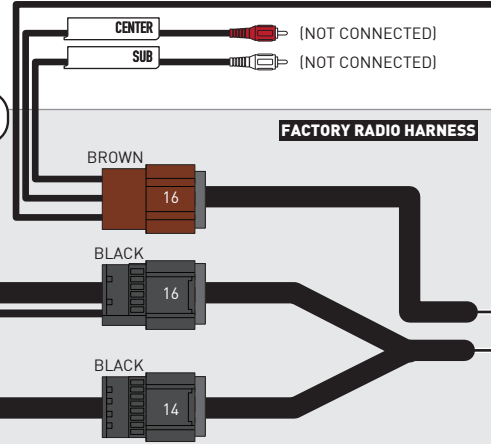
STEP 1



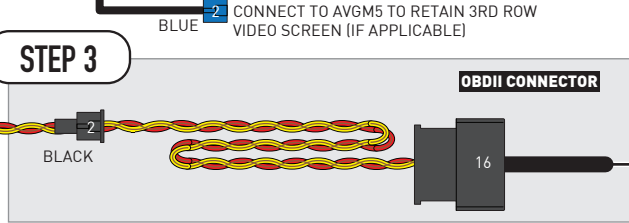
STEP 4



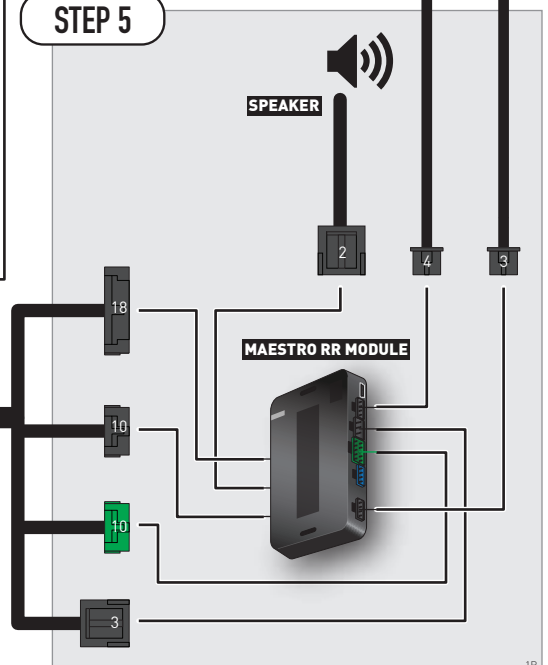
STEP 2



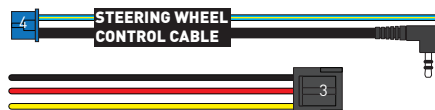
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

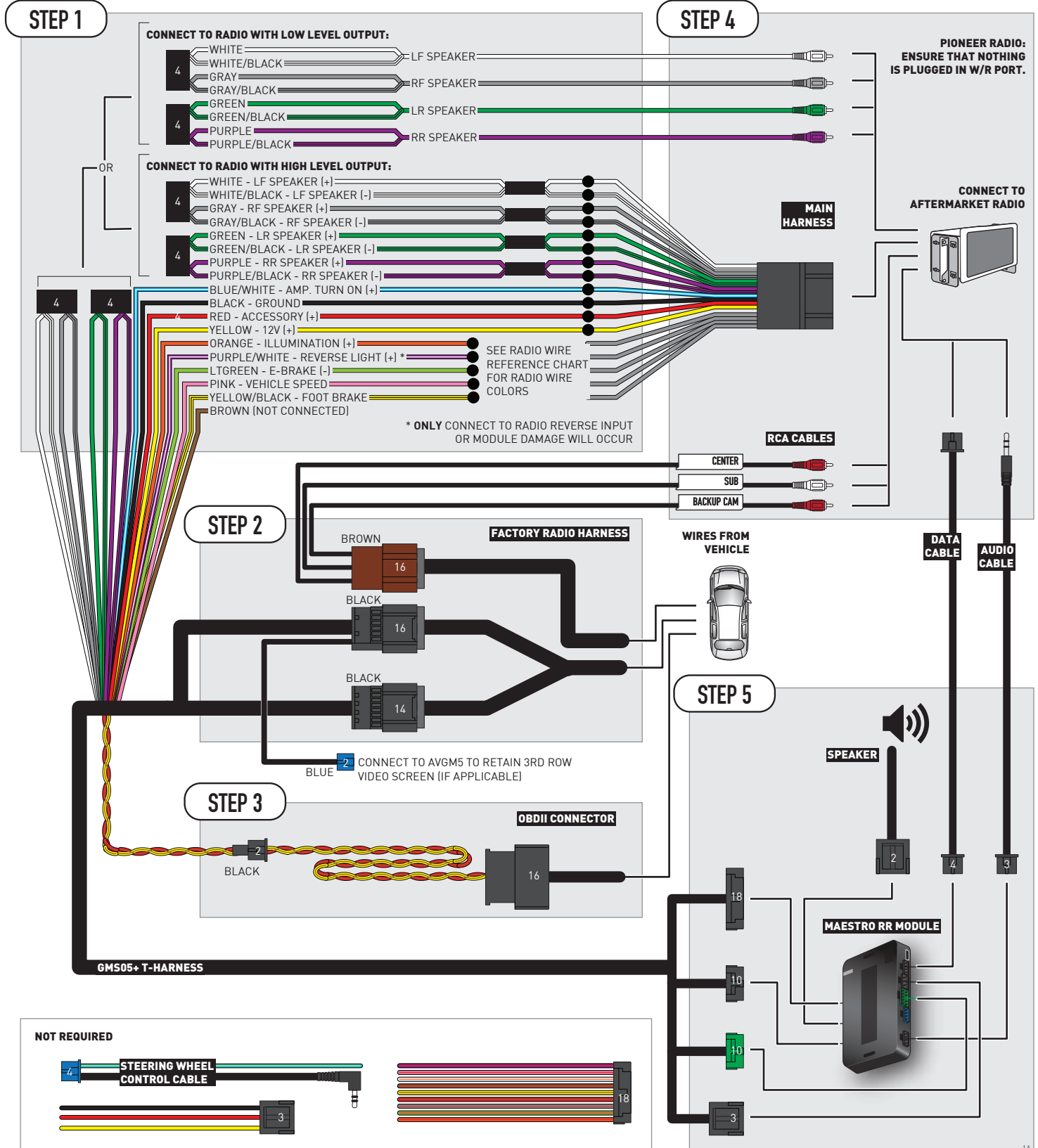
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

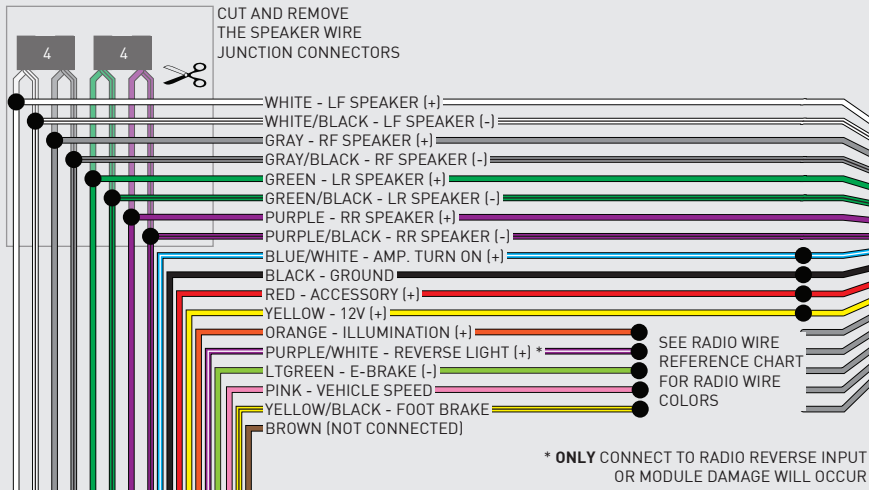
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

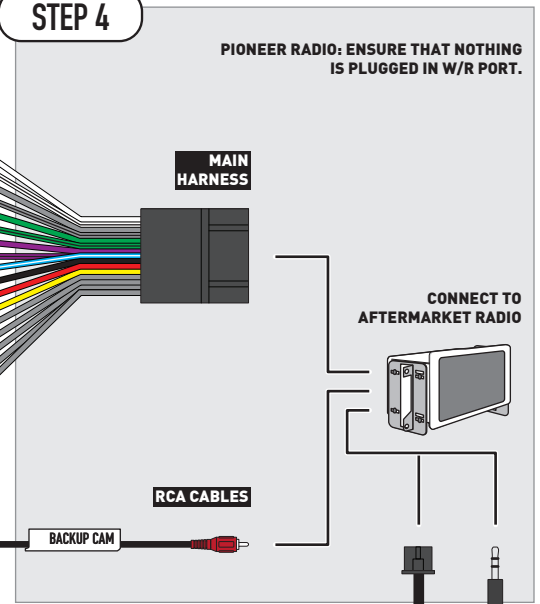


WIRING DIAGRAM *without an Amplifier*

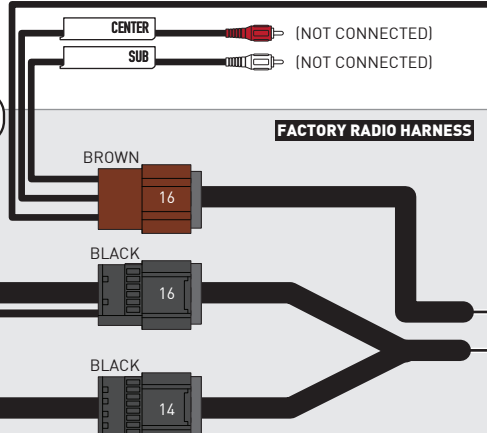
STEP 1



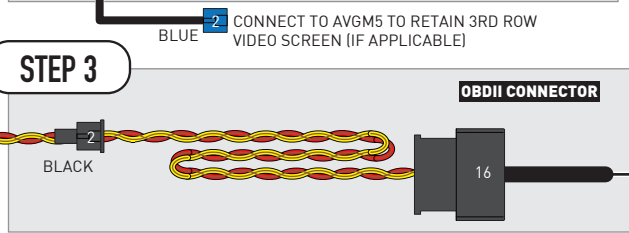
STEP 4



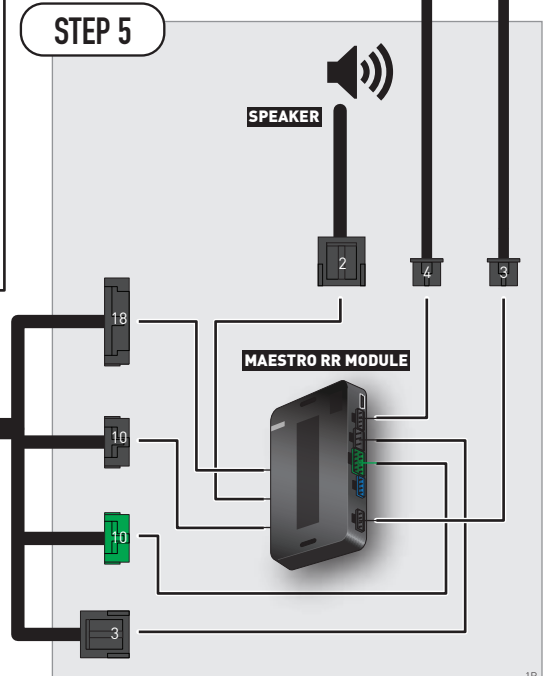
STEP 2



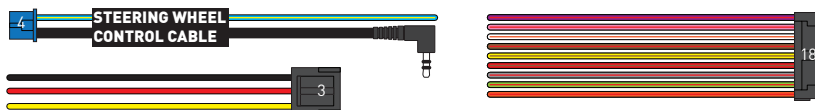
STEP 3



STEP 5



NOT REQUIRED











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

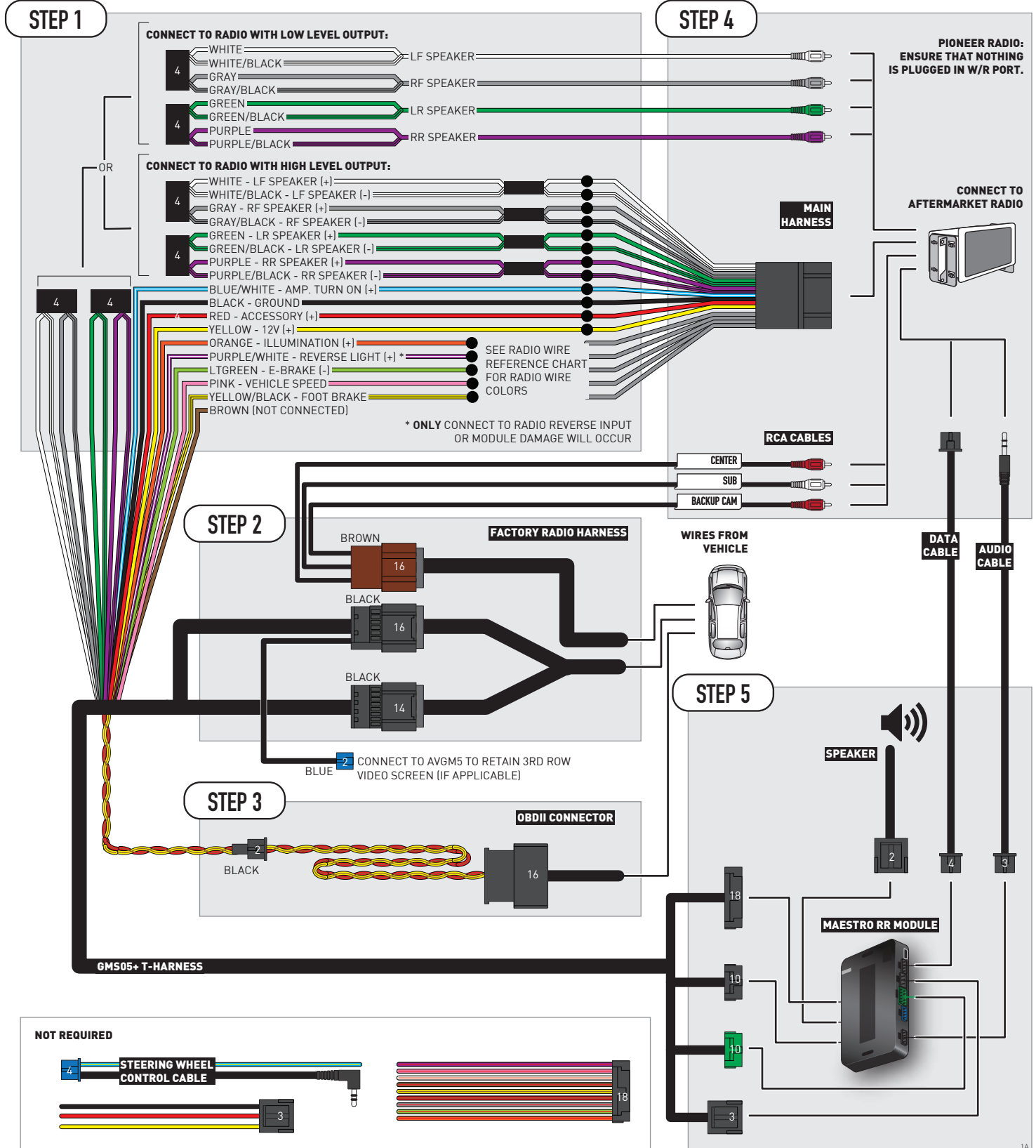
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

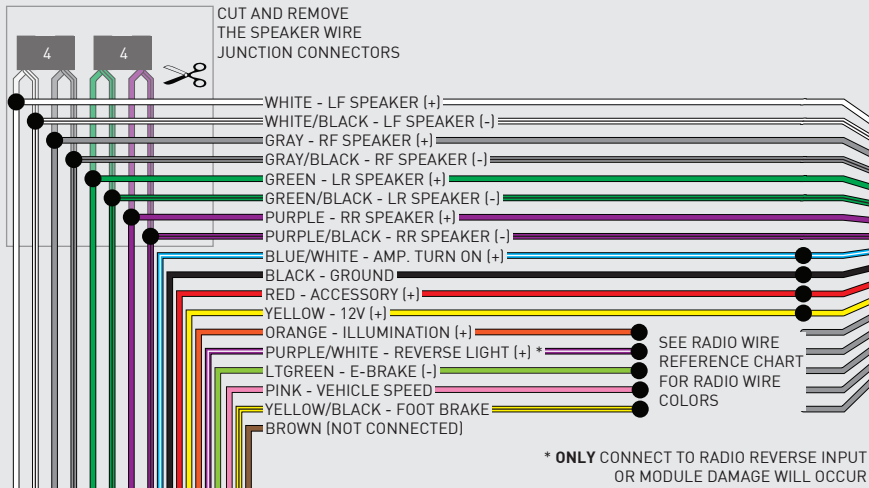
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

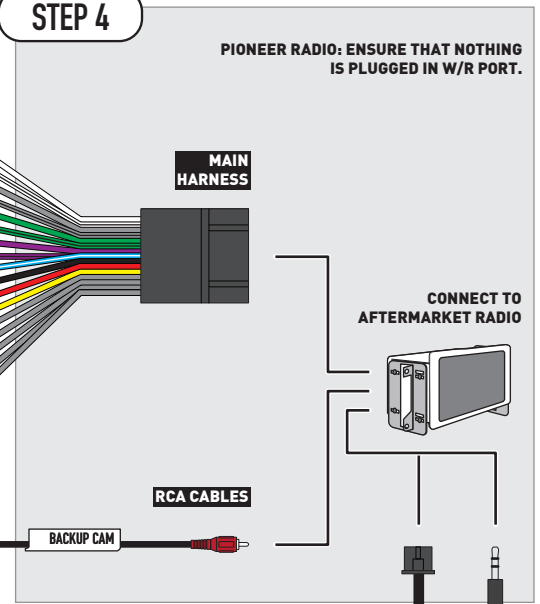


WIRING DIAGRAM *without an Amplifier*

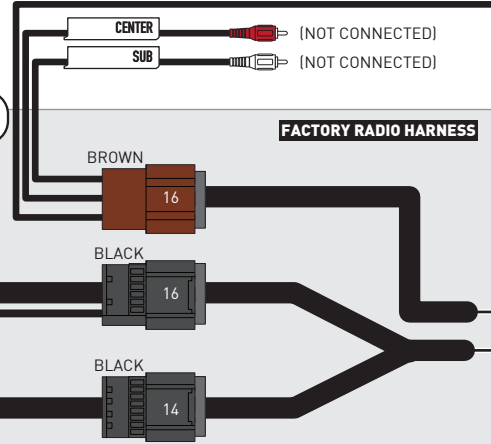
STEP 1



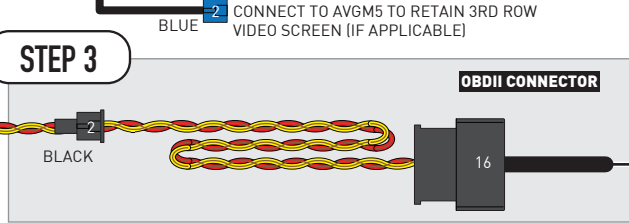
STEP 4



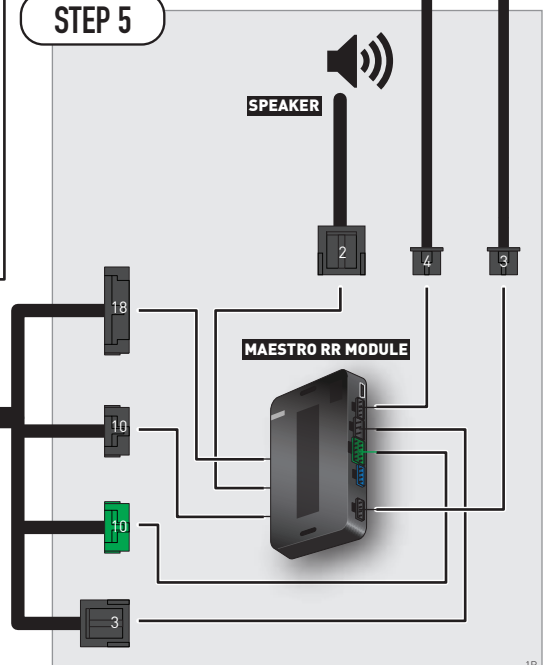
STEP 2



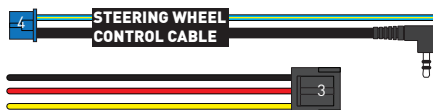
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

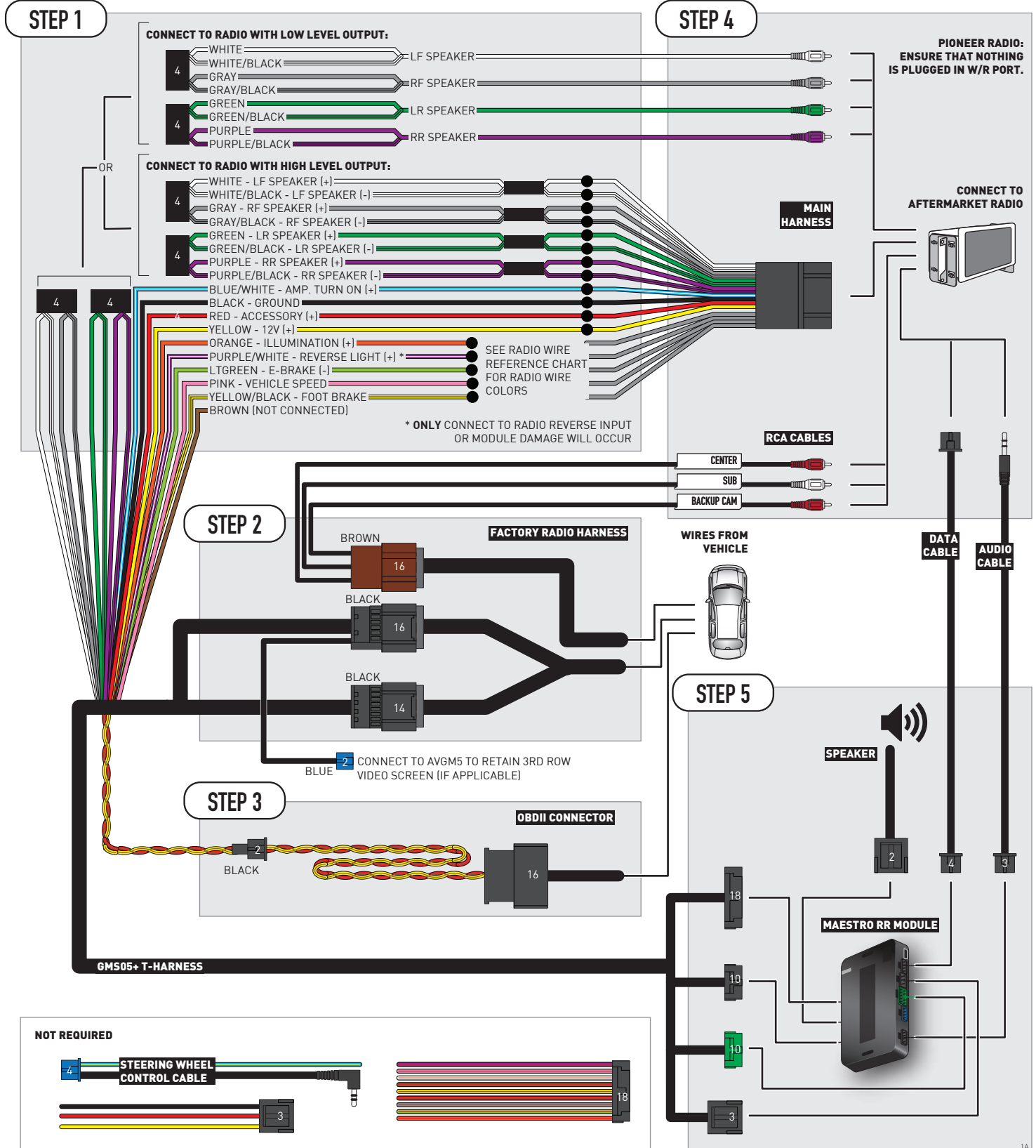
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

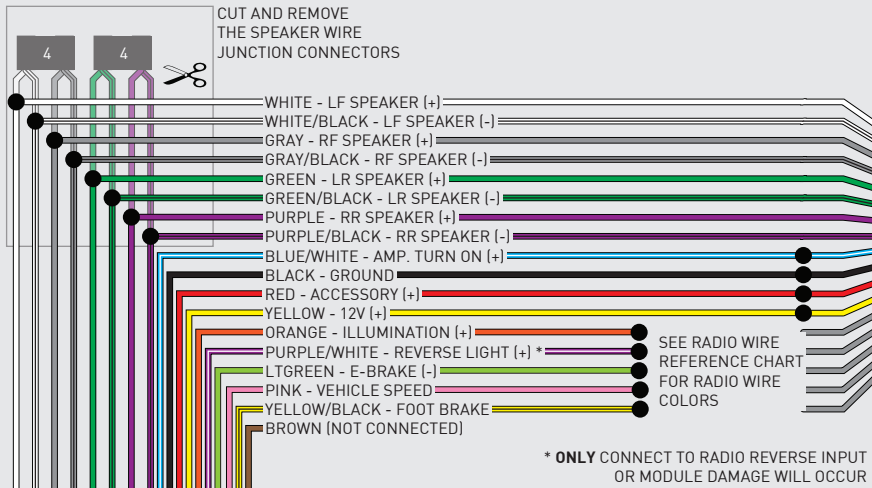
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

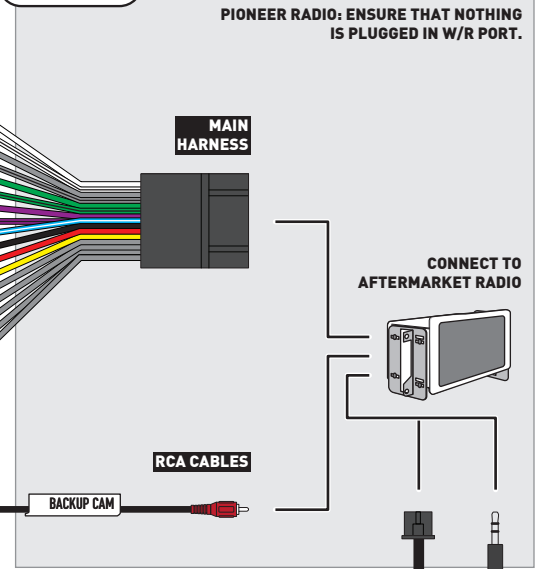


WIRING DIAGRAM *without an Amplifier*

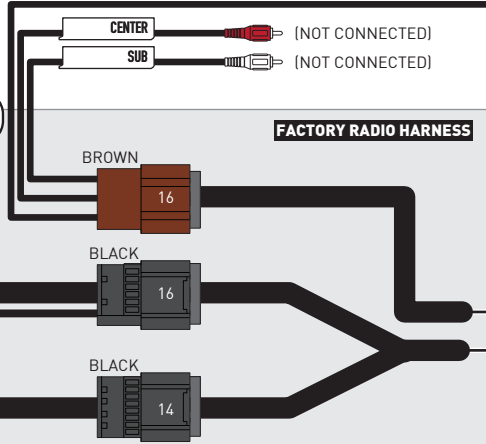
STEP 1



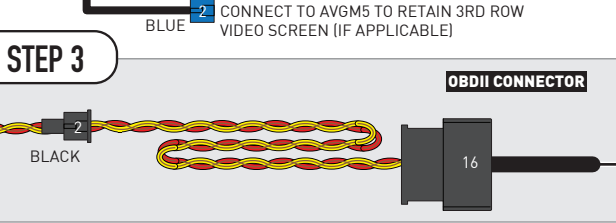
STEP 4



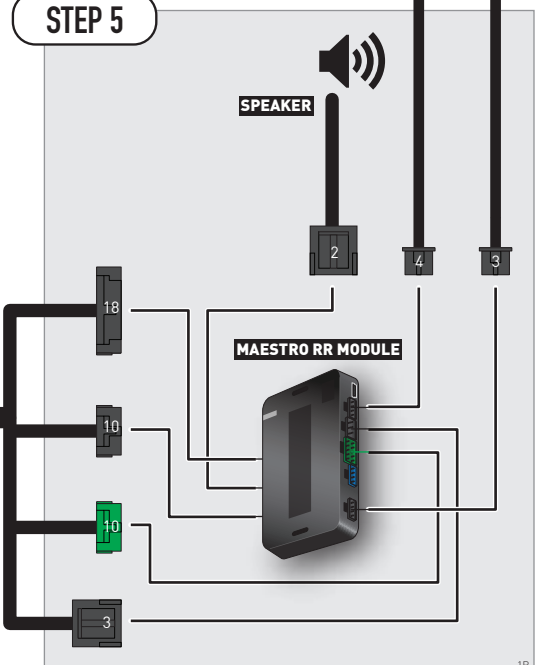
STEP 2



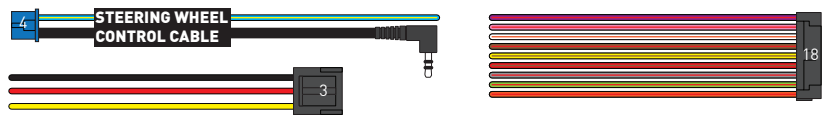
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

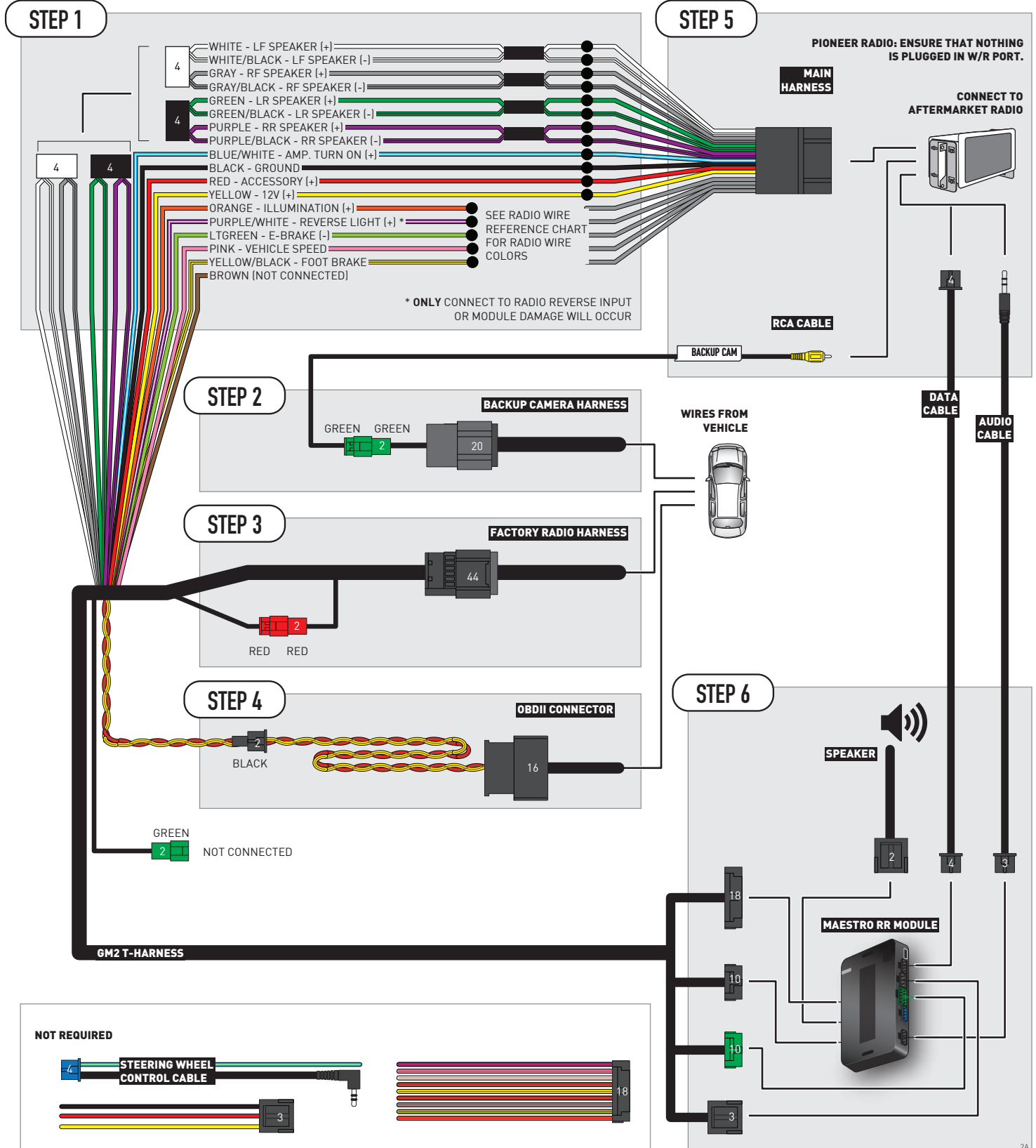
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

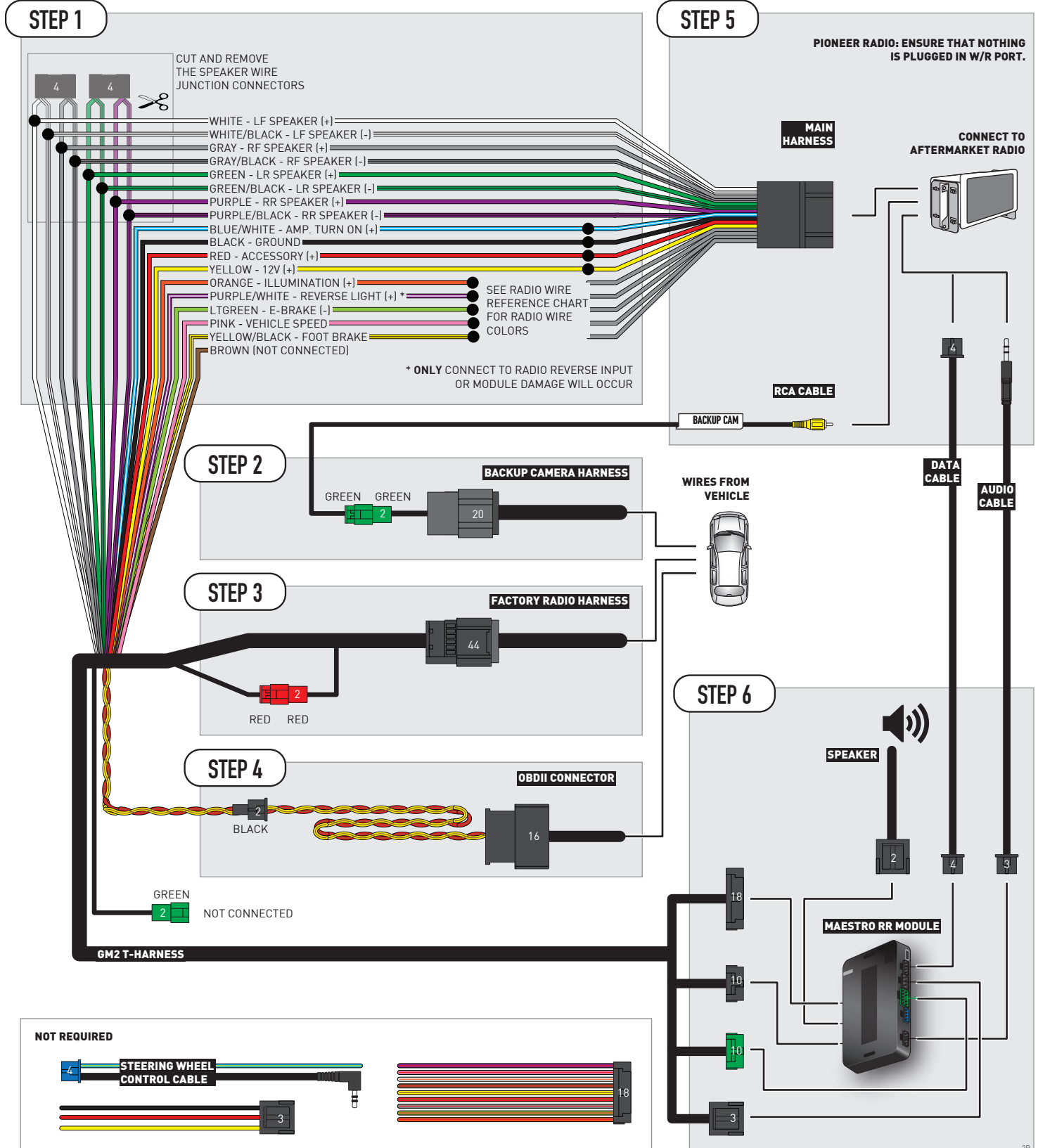
Turn Signal Volume - 1-10

Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

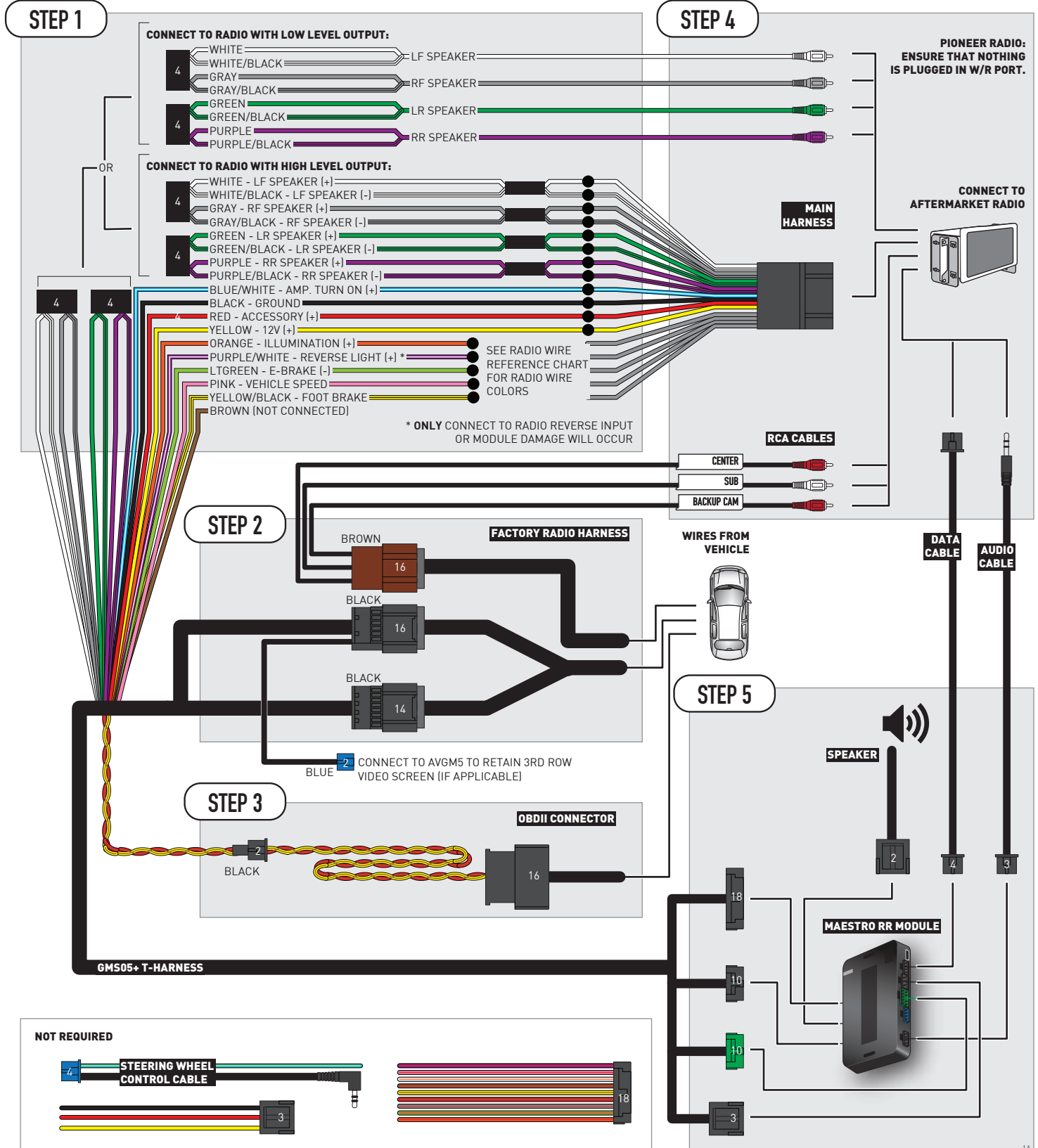
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

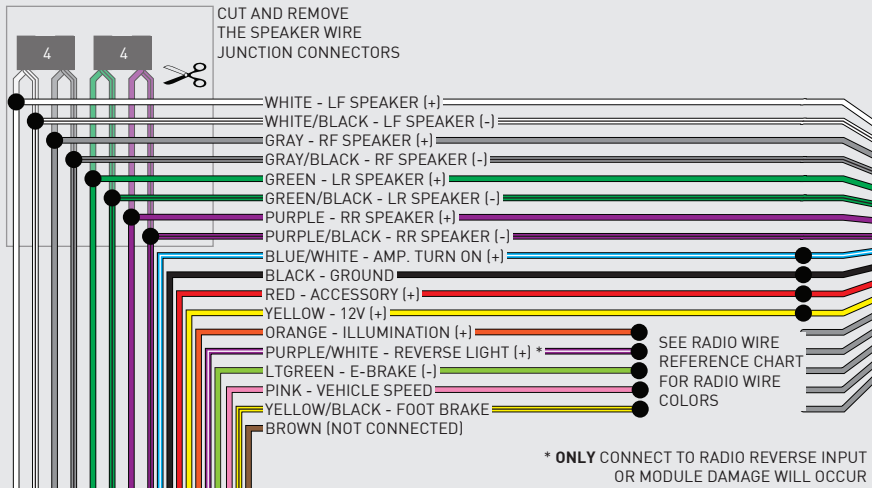
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

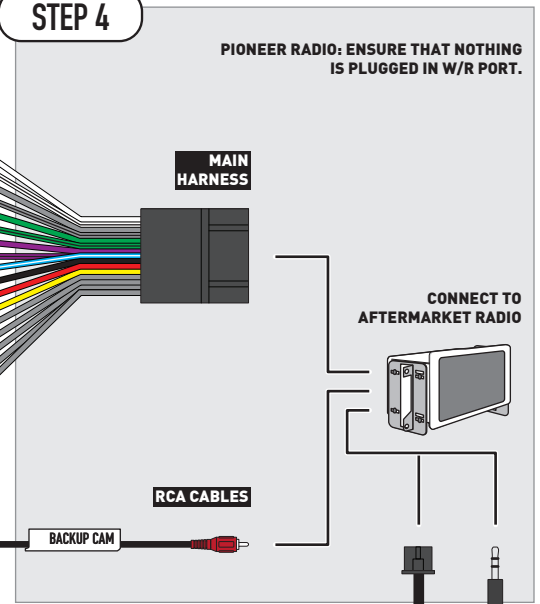


WIRING DIAGRAM *without an Amplifier*

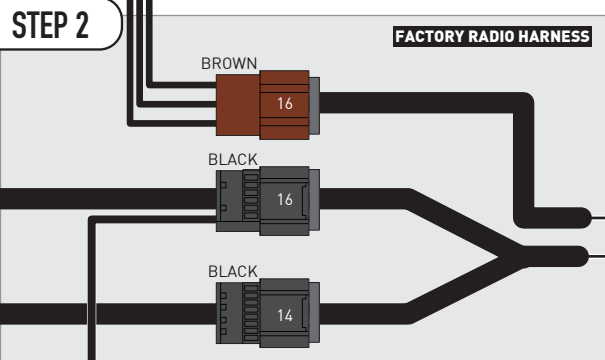
STEP 1



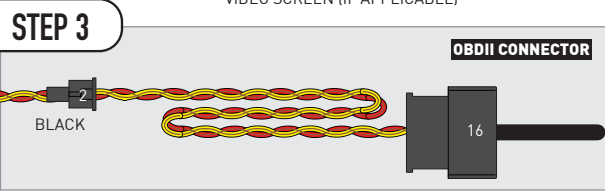
STEP 4



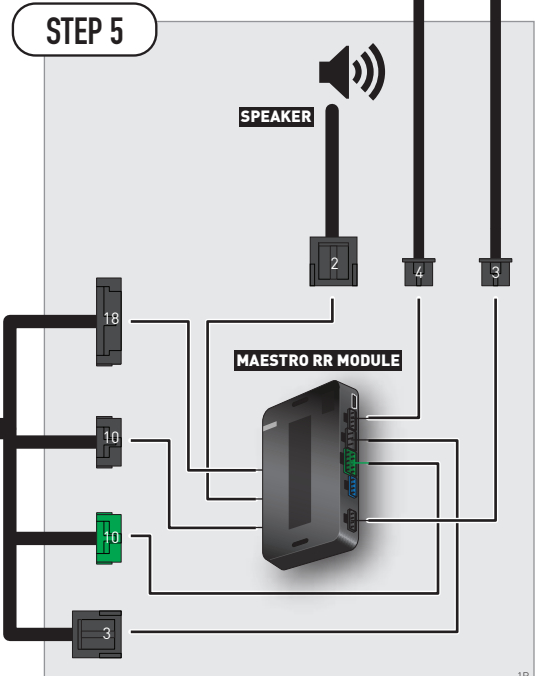
STEP 2



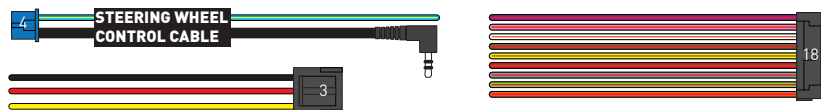
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

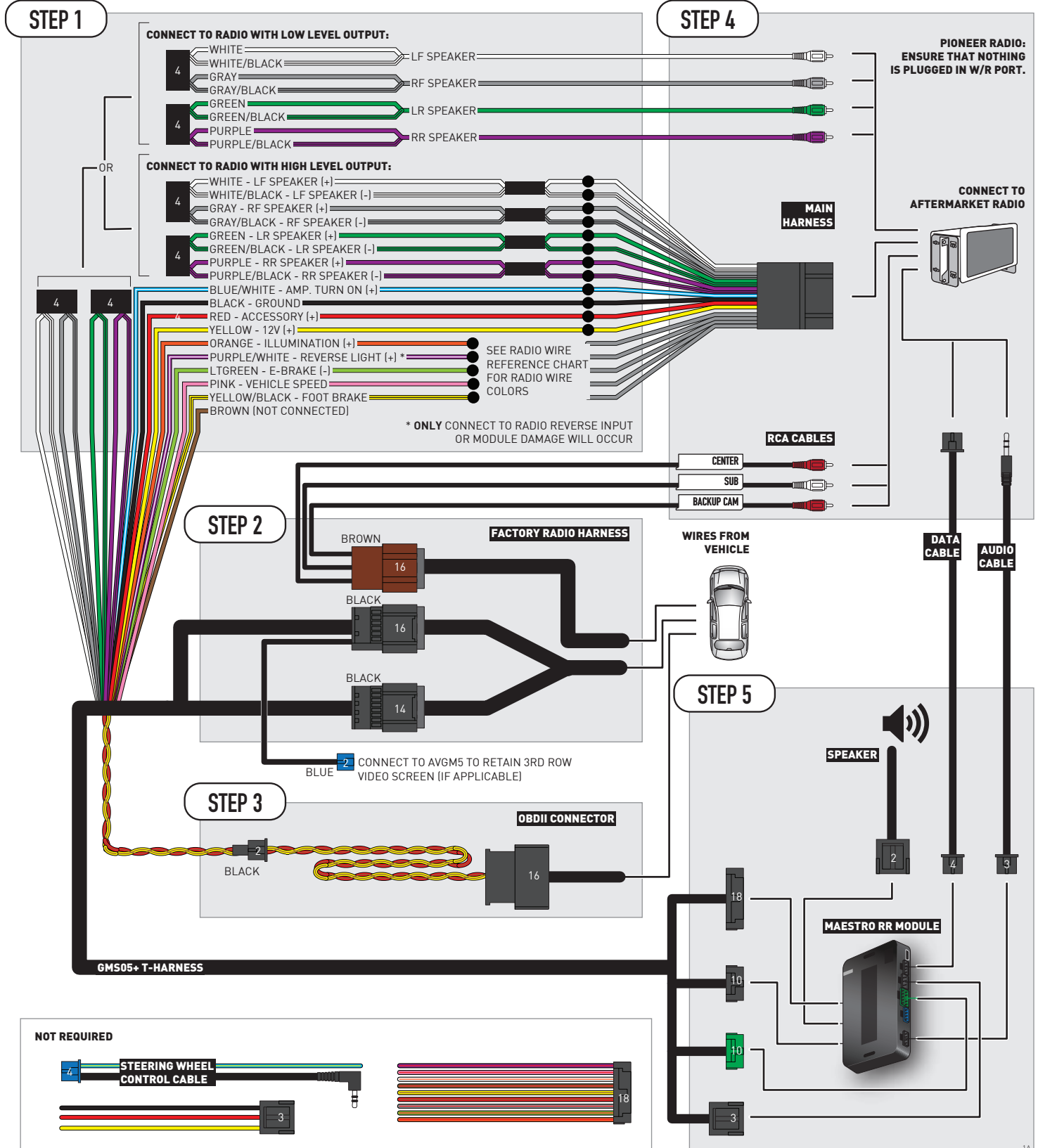
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

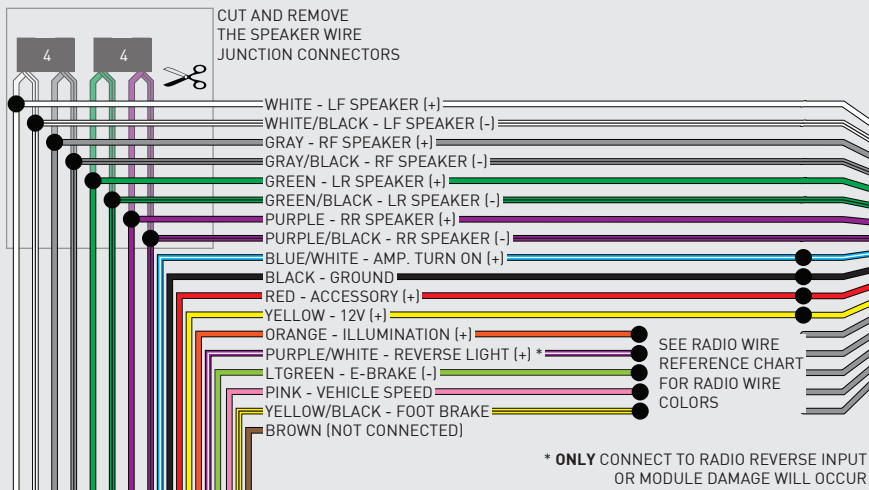
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

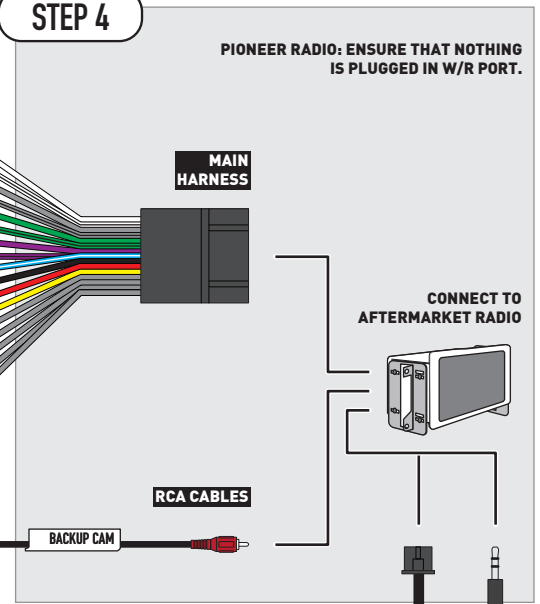


WIRING DIAGRAM *without an Amplifier*

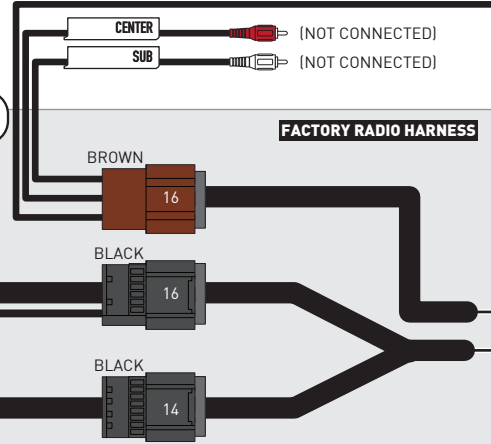
STEP 1



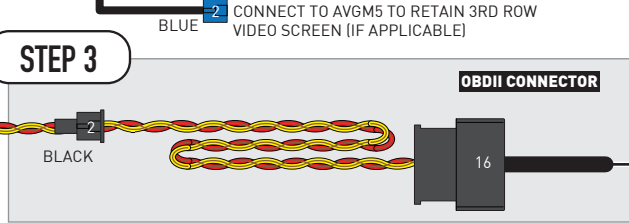
STEP 4



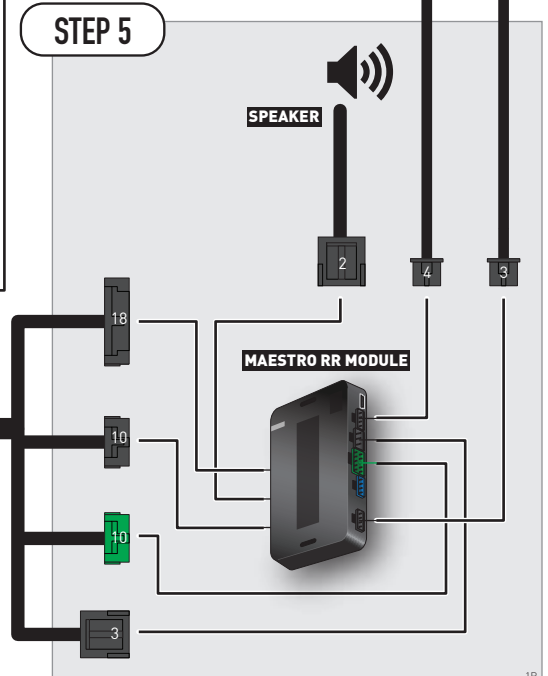
STEP 2



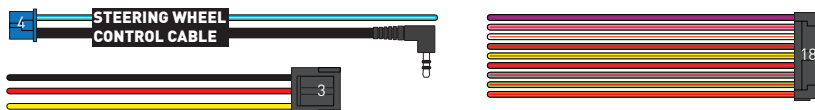
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

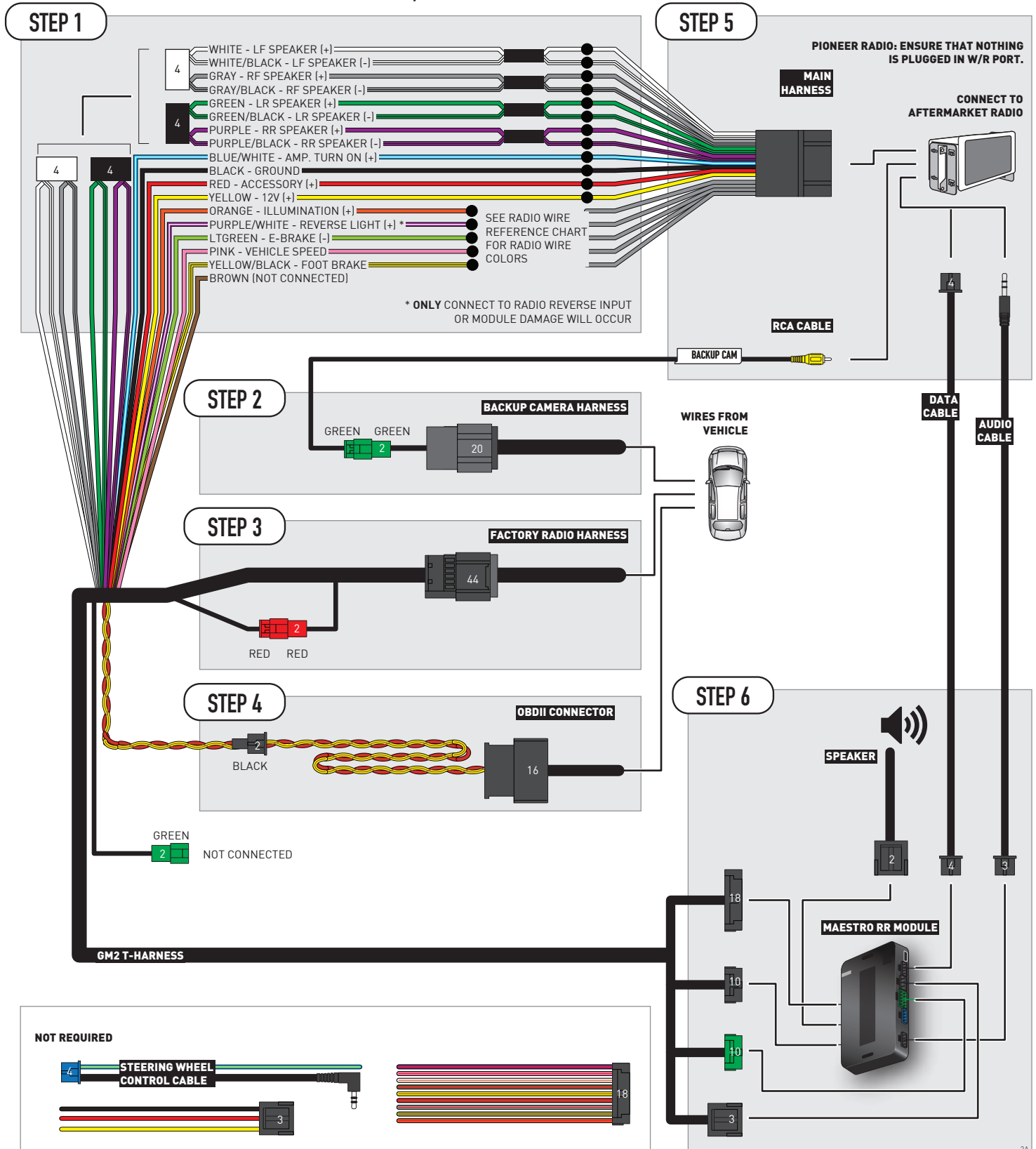
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

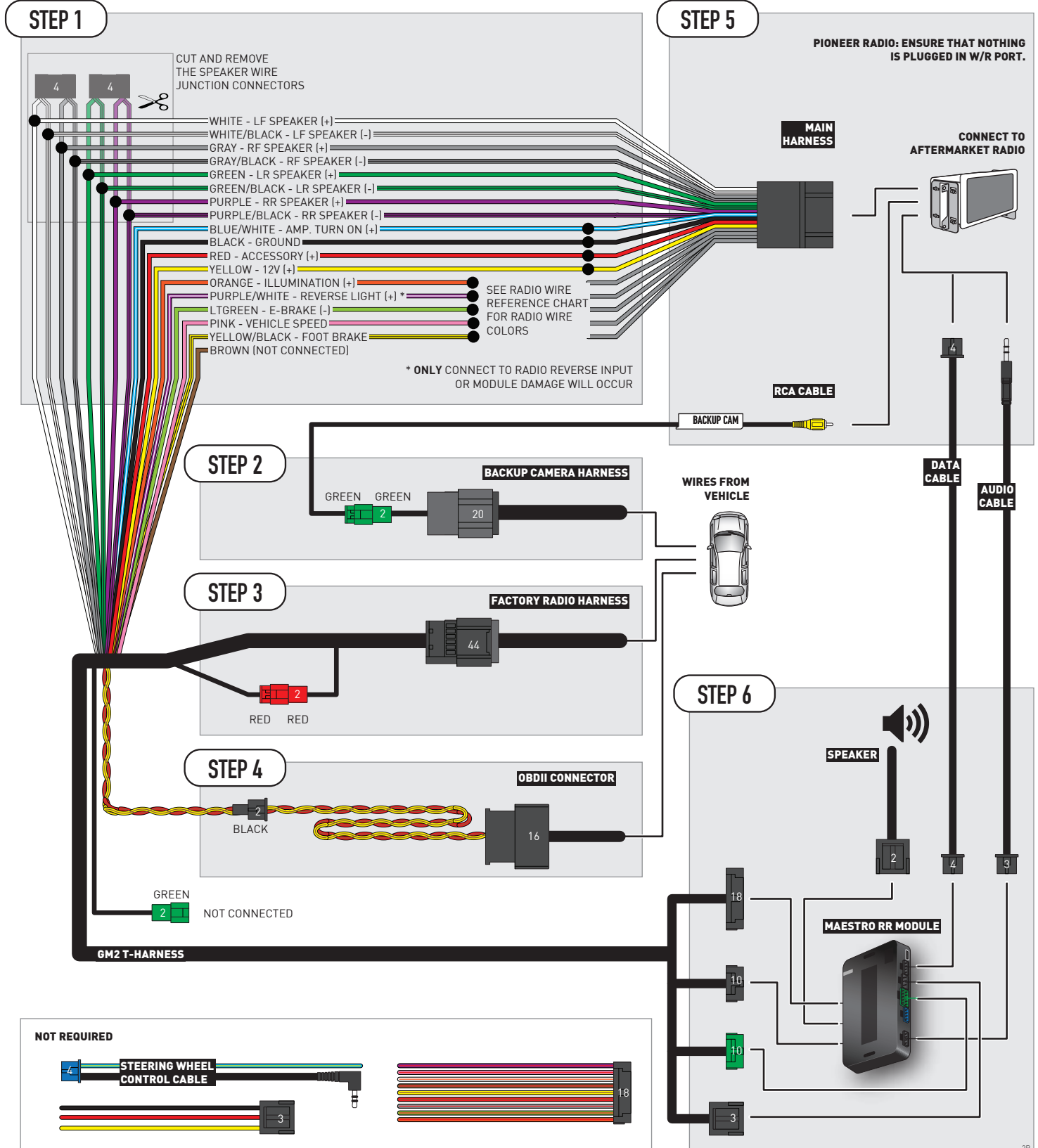
Turn Signal Volume - 1-10

Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*



WIRING DIAGRAM *without an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

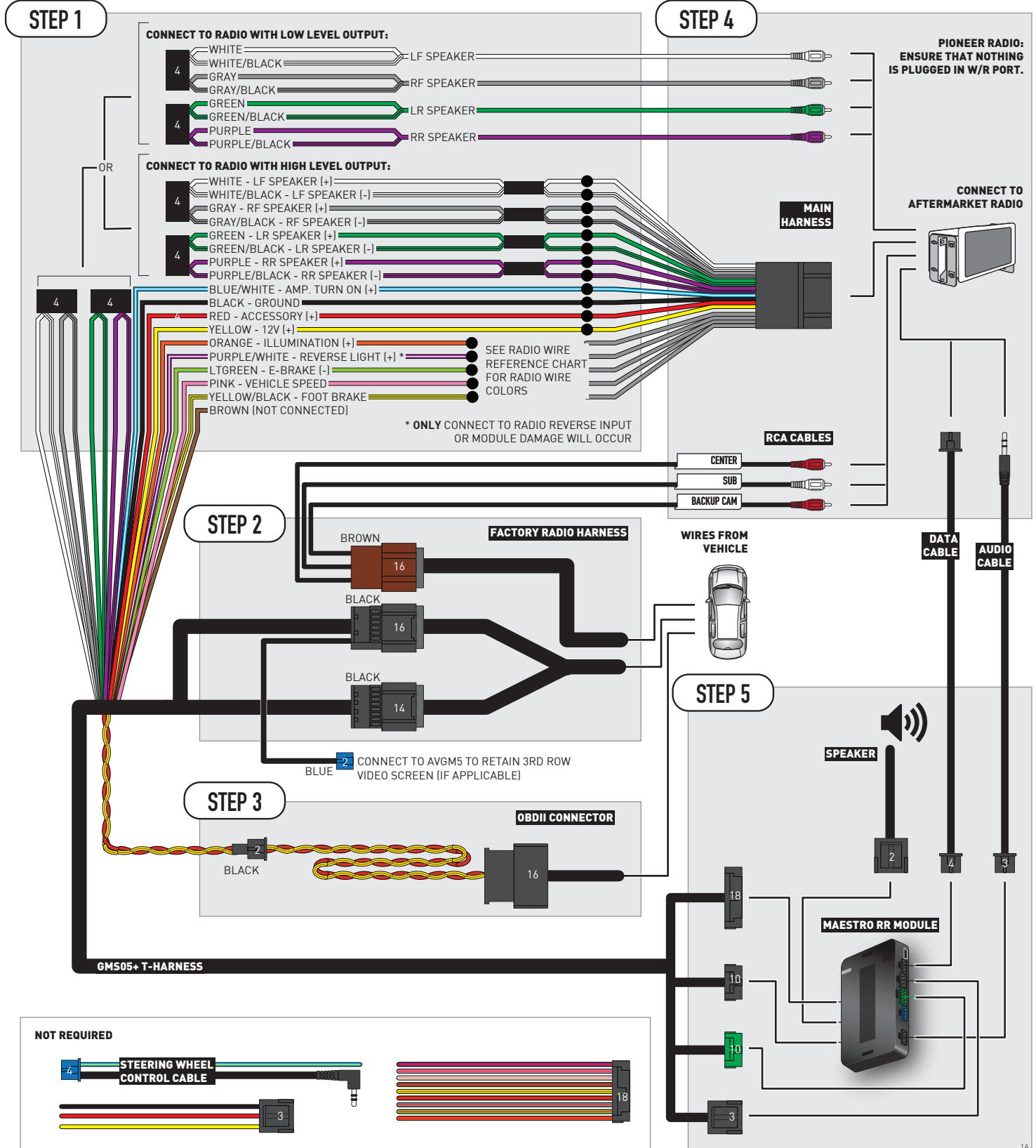
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

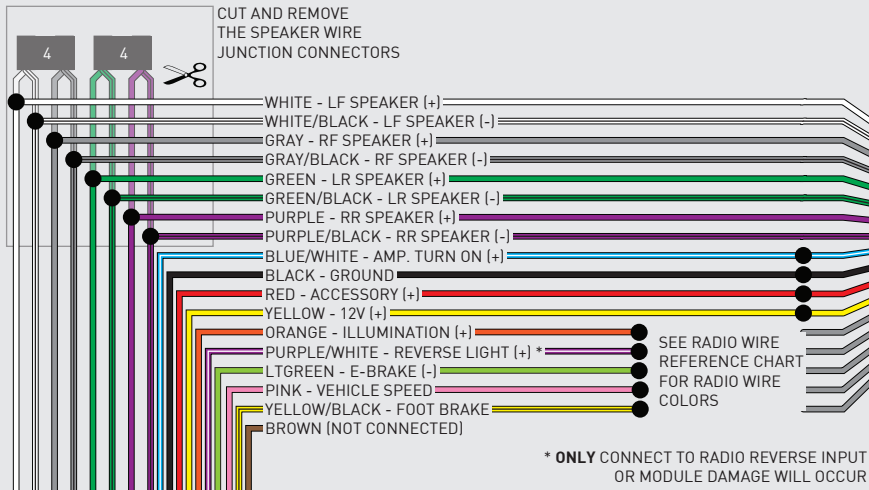
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

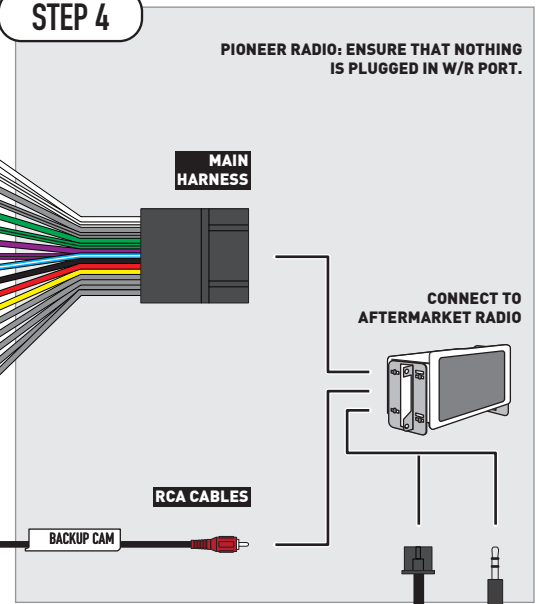


WIRING DIAGRAM *without an Amplifier*

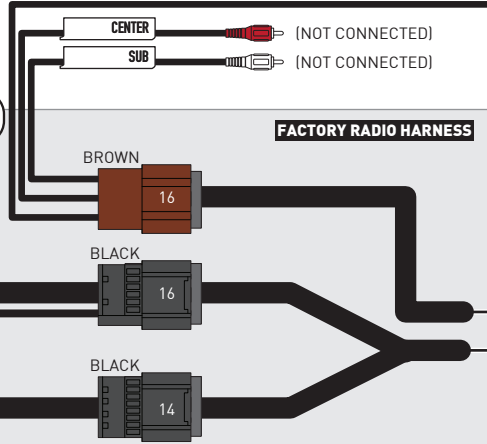
STEP 1



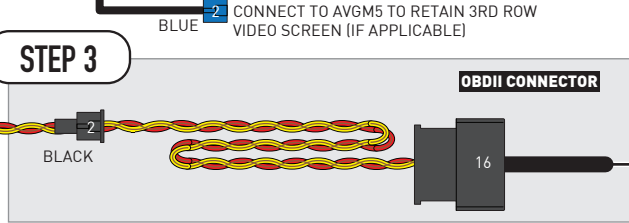
STEP 4



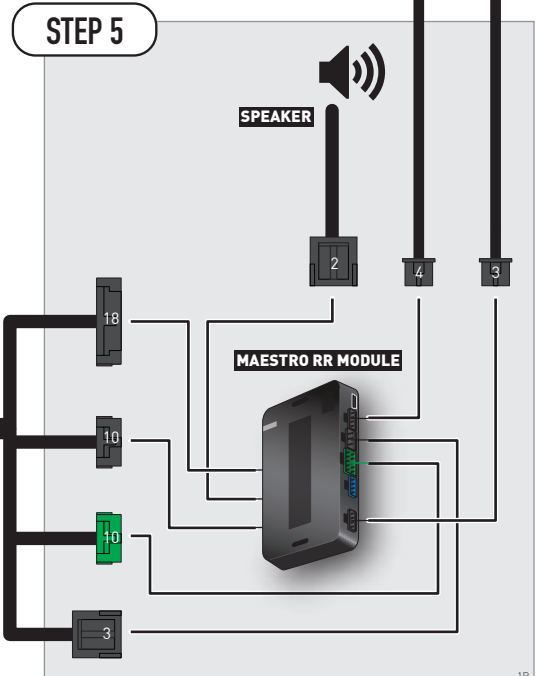
STEP 2



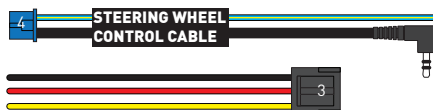
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

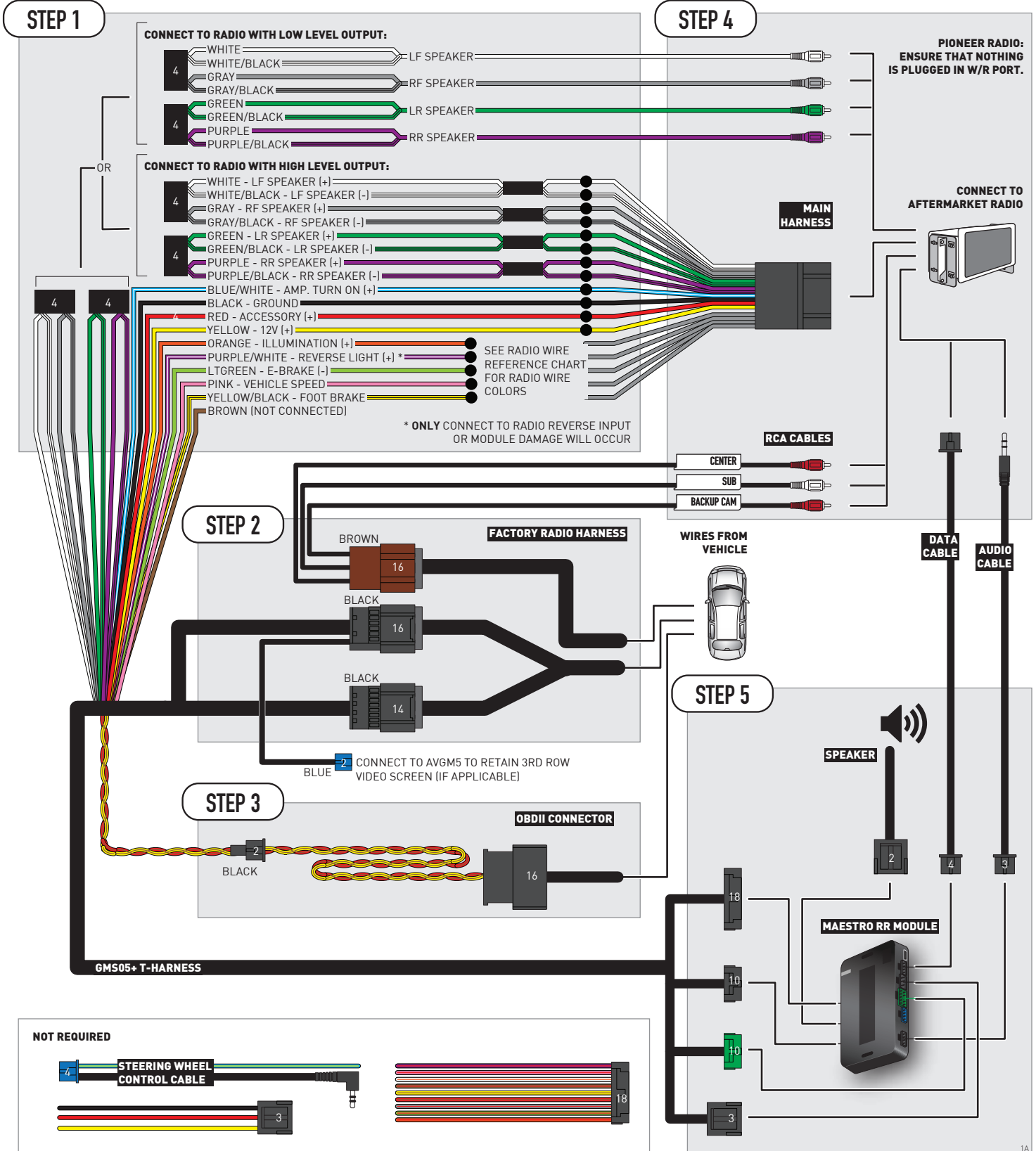
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

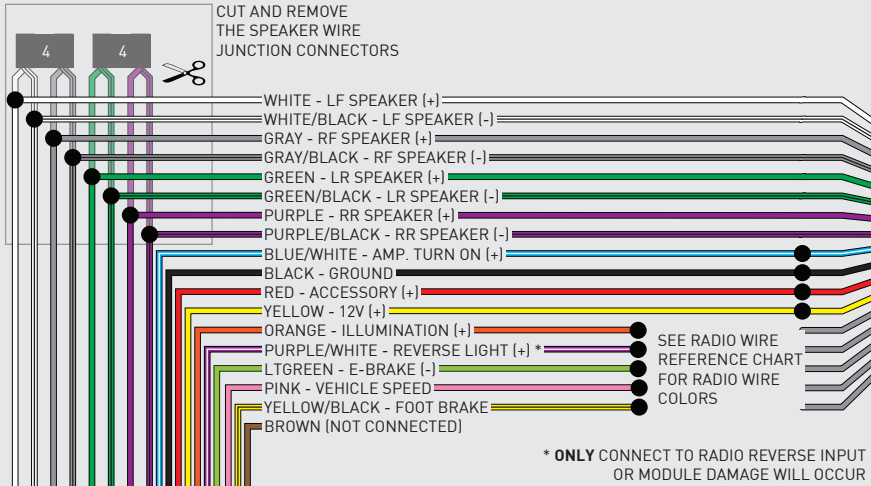
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

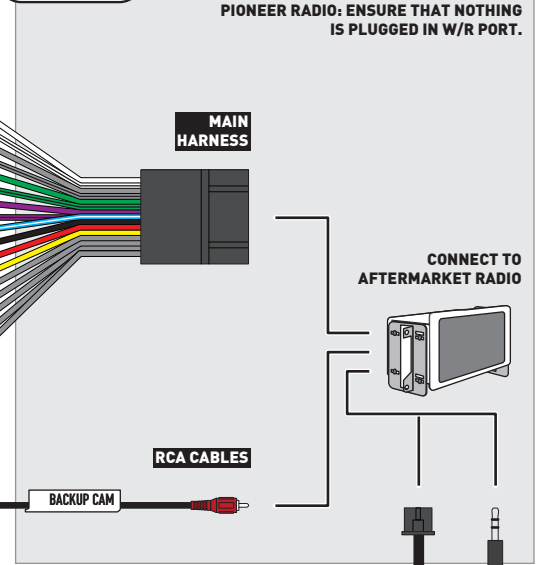


WIRING DIAGRAM *without an Amplifier*

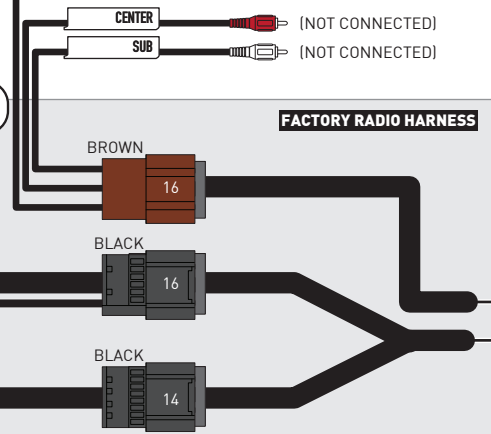
STEP 1



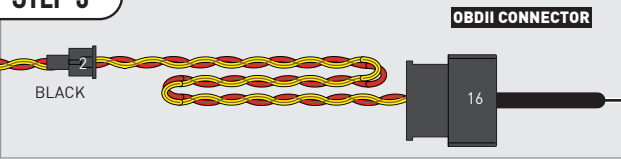
STEP 4



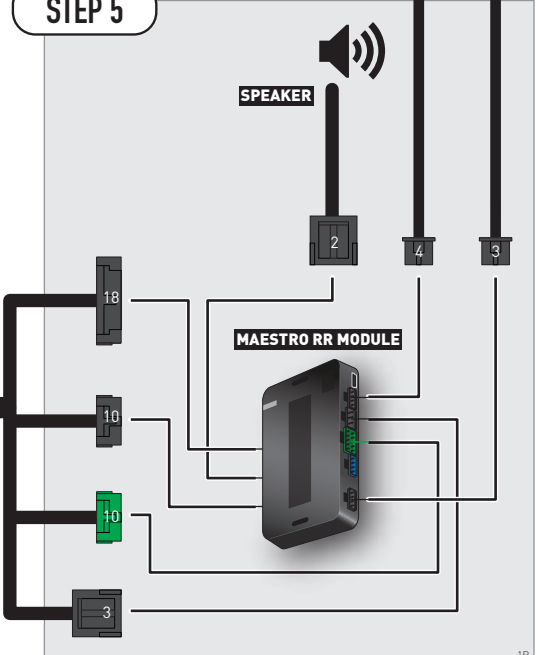
STEP 2



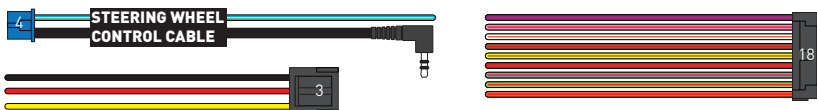
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2012-2014
GMC SIERRA 2500 & 3500
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q		CKI5753	
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3
B58	B81	B82	CJ3	C49	C7H	DF5	DK7
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU
7YT							6YT
BC/CC	U	8555			692		691
							692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

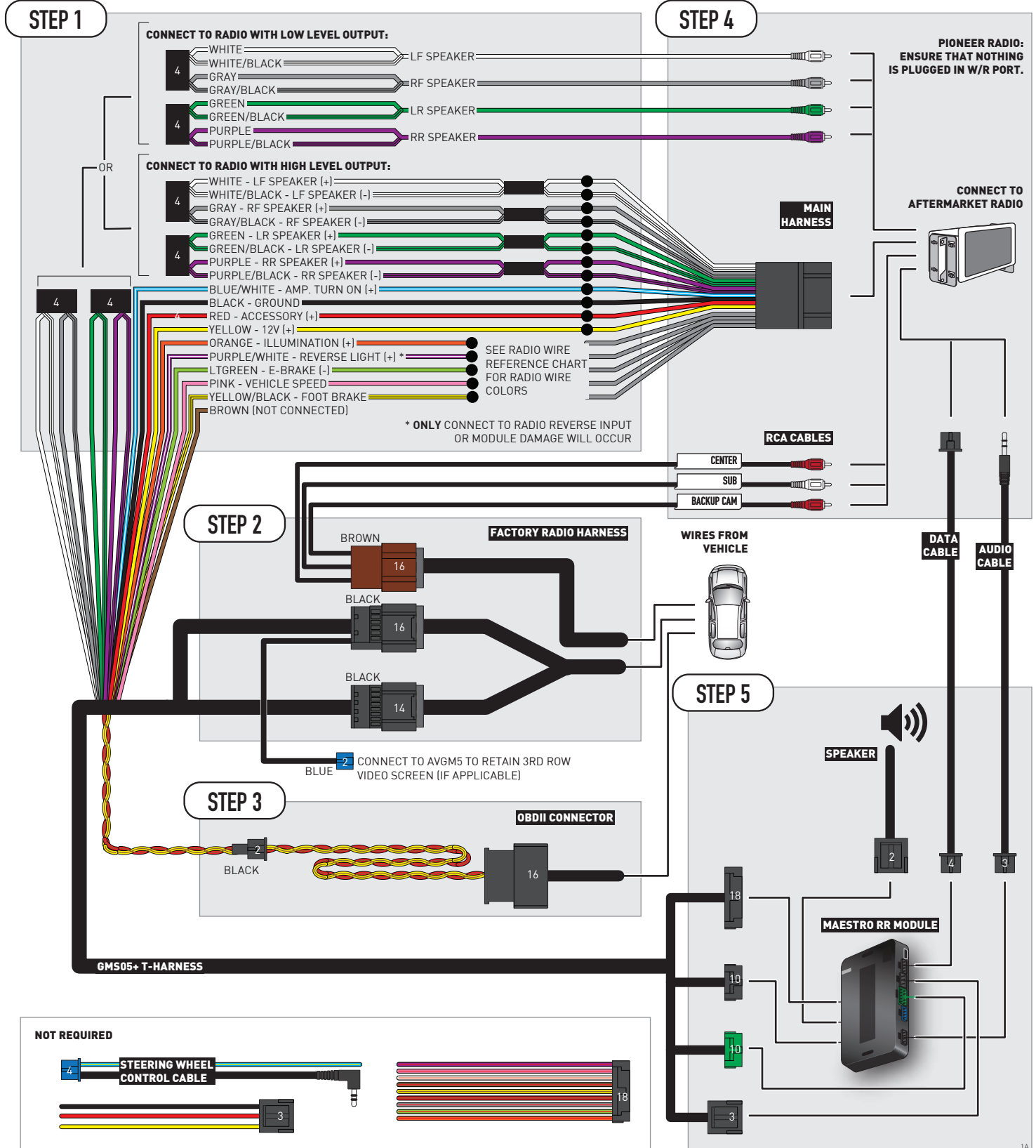
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

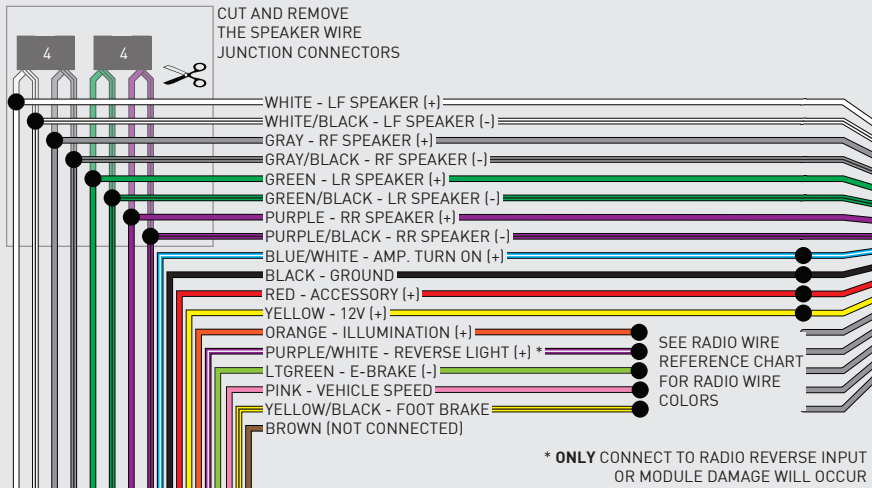
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

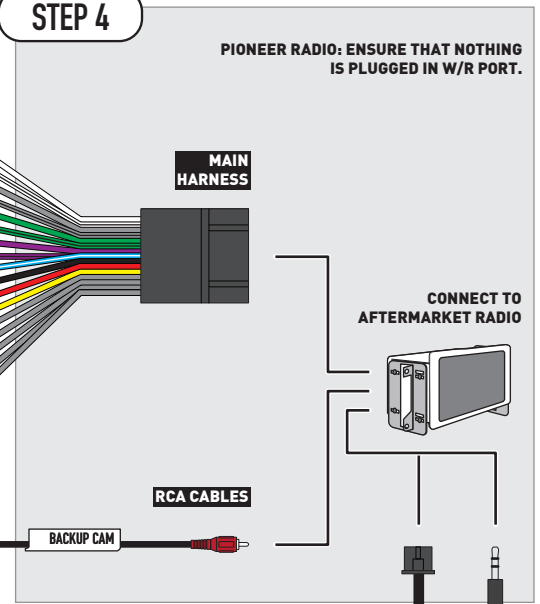


WIRING DIAGRAM *without an Amplifier*

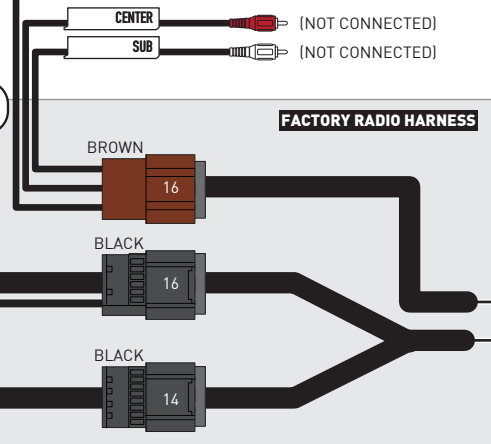
STEP 1



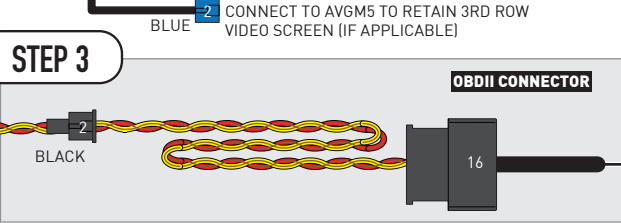
STEP 4



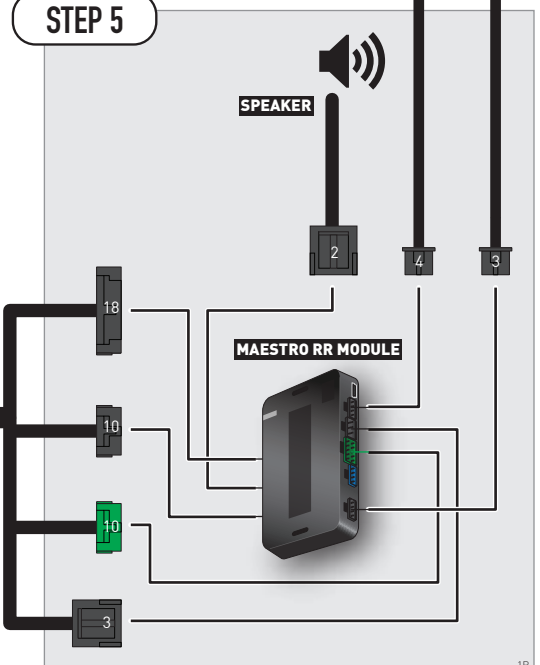
STEP 2



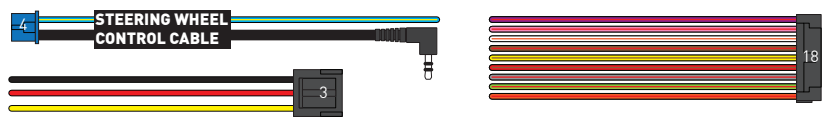
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

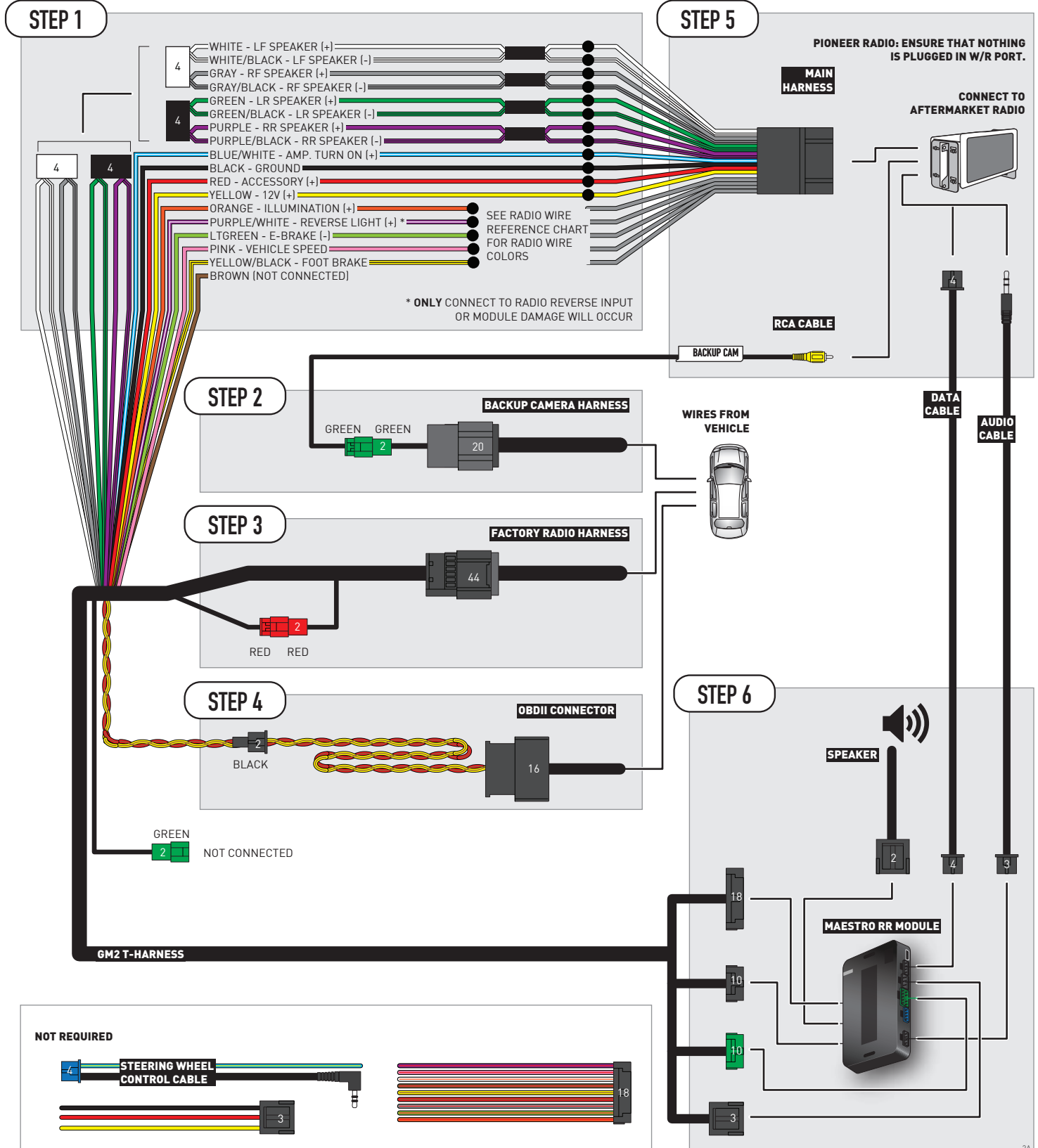
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

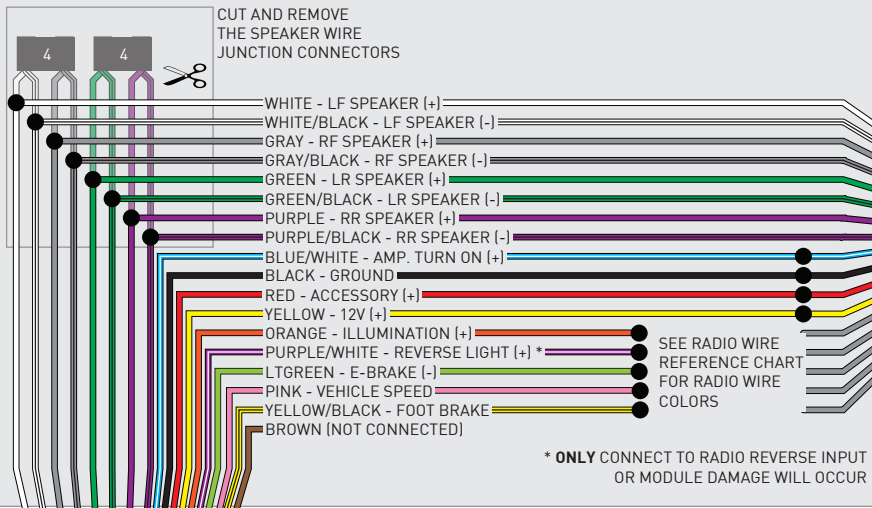
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

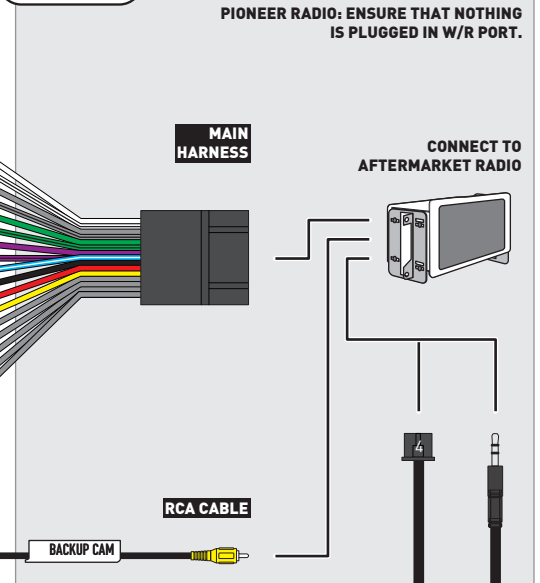


WIRING DIAGRAM *without an Amplifier*

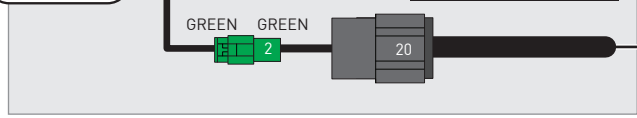
STEP 1



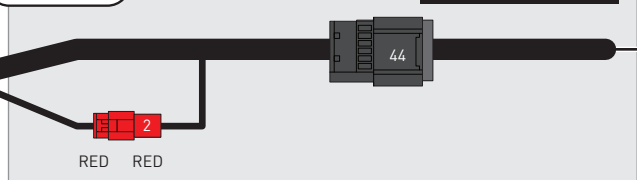
STEP 5



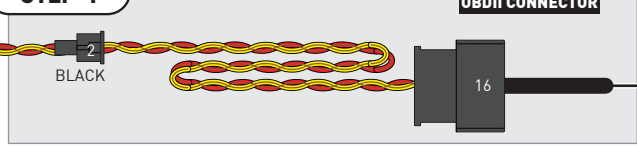
STEP 2



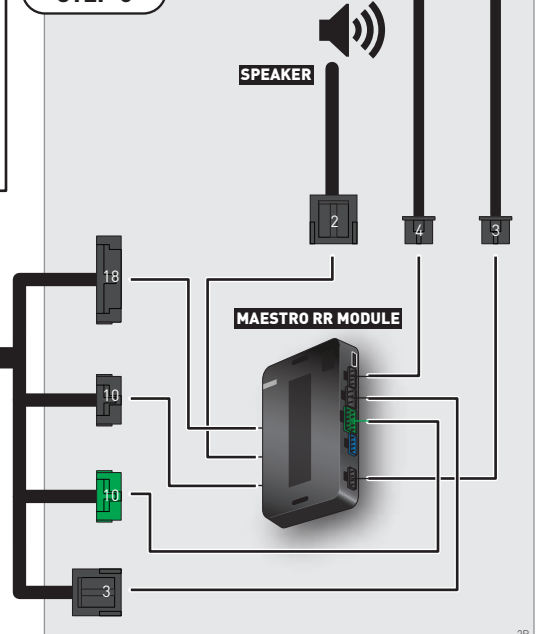
STEP 3



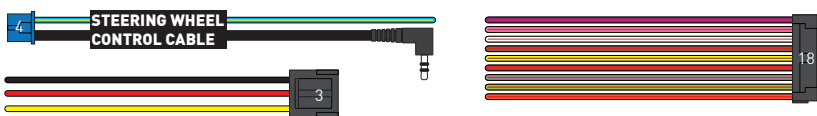
STEP 4



STEP 6



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

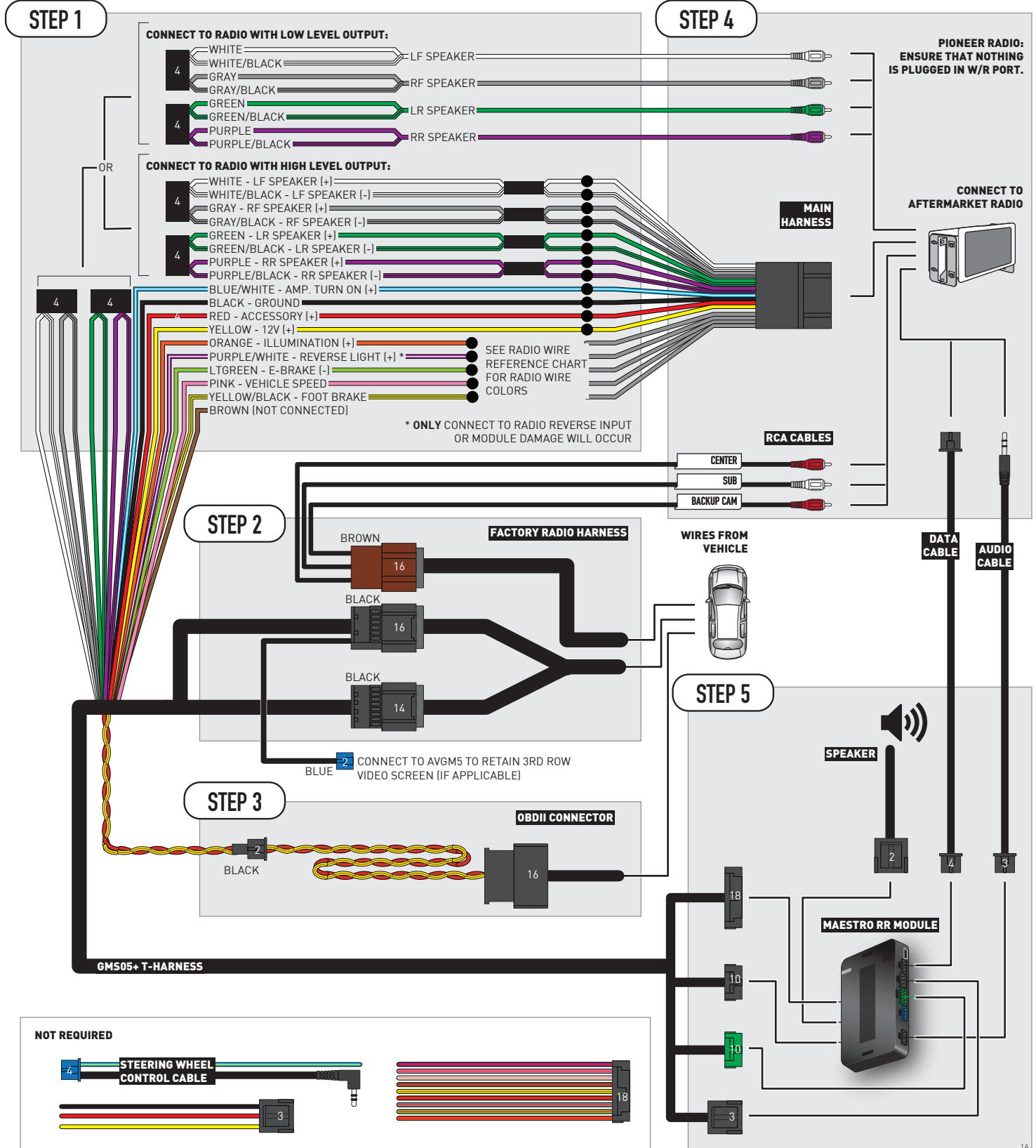
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

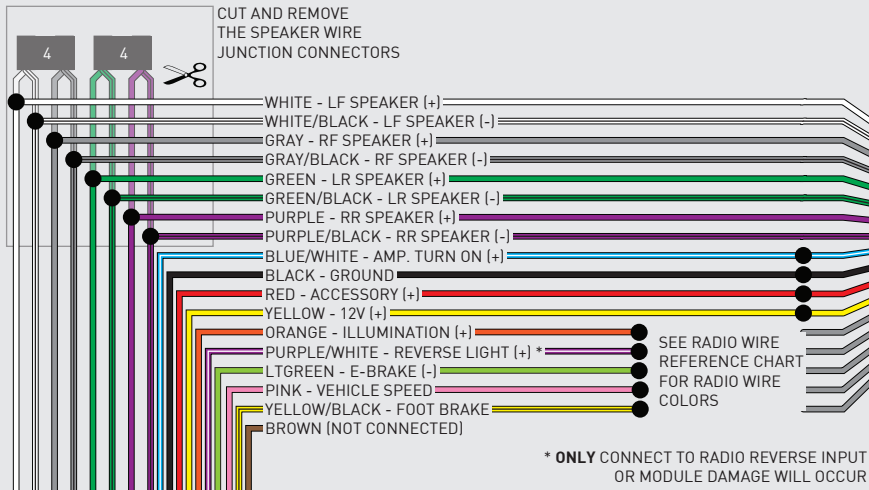
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

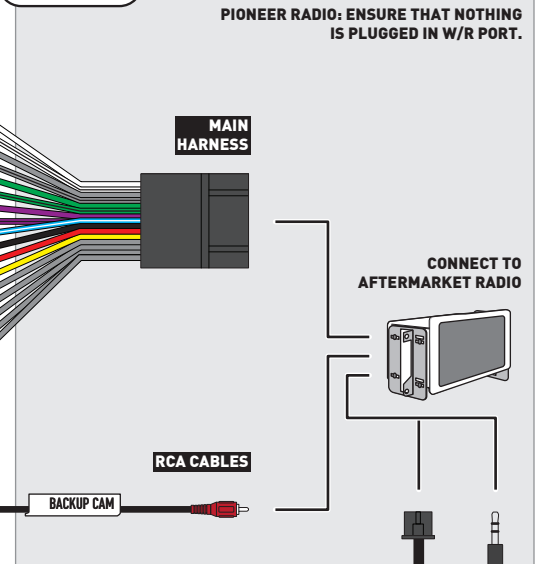


WIRING DIAGRAM *without an Amplifier*

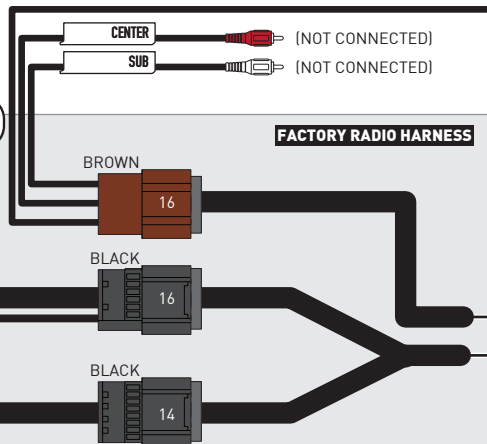
STEP 1



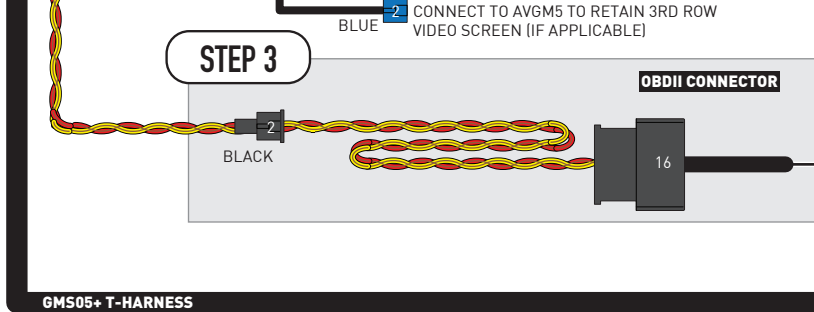
STEP 4



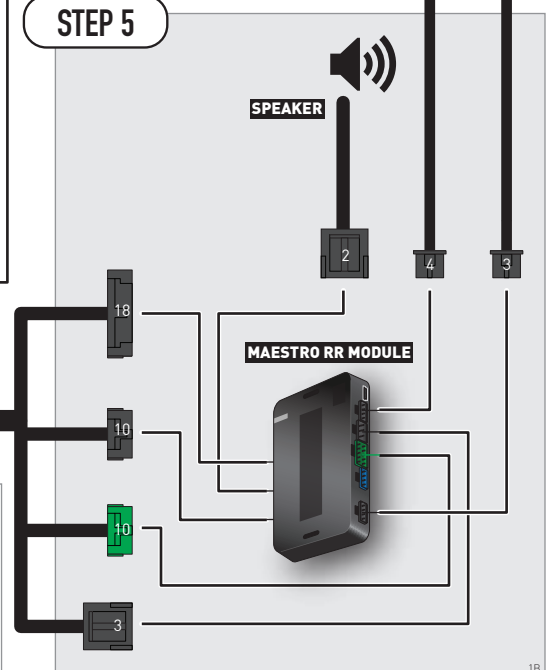
STEP 2



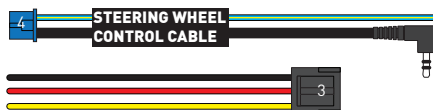
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

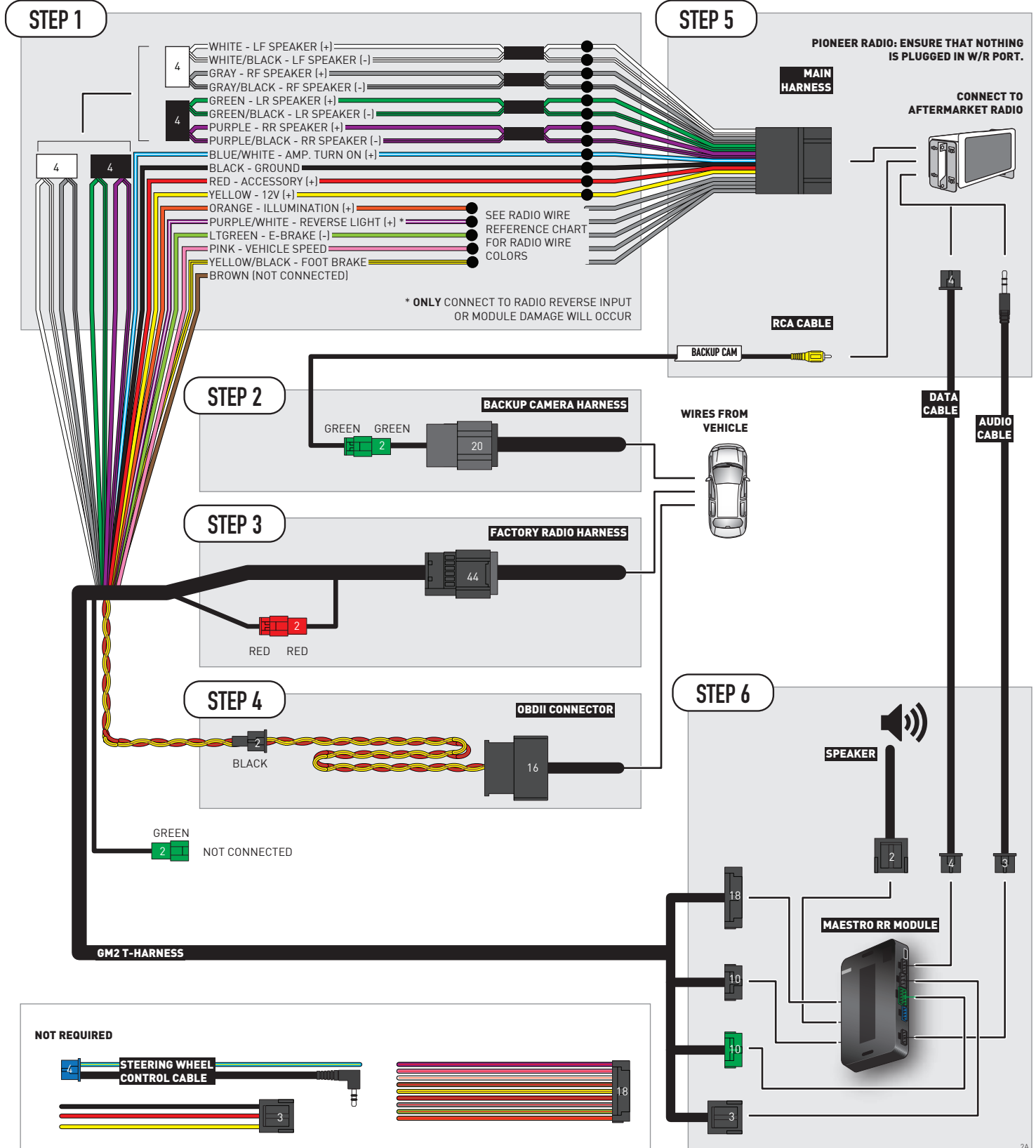
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

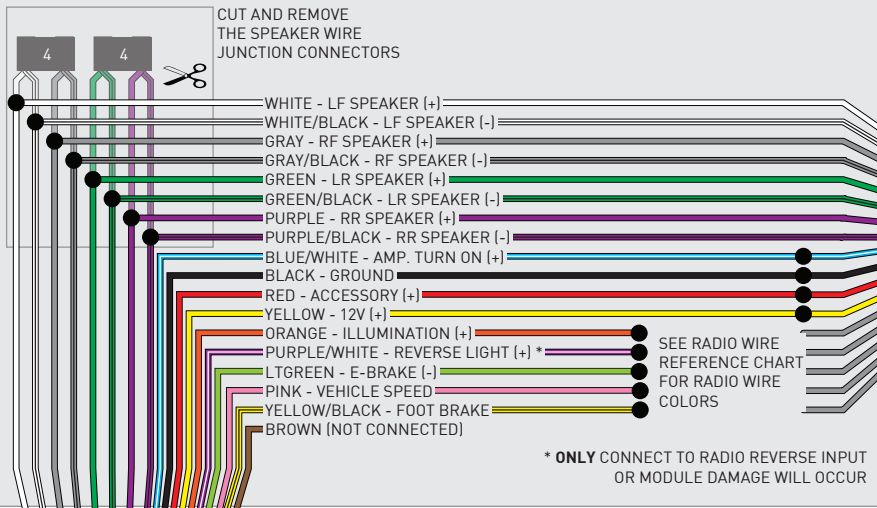
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

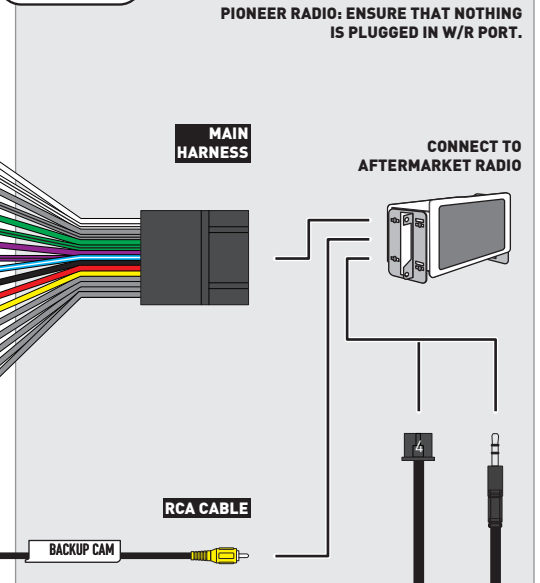


WIRING DIAGRAM *without an Amplifier*

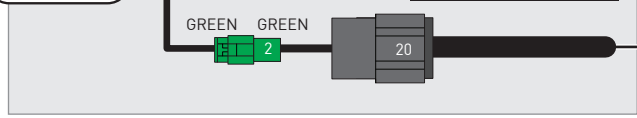
STEP 1



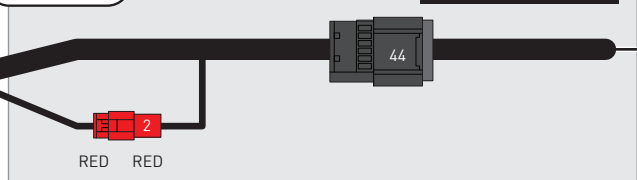
STEP 5



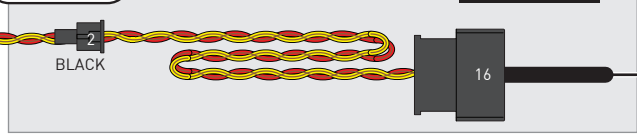
STEP 2



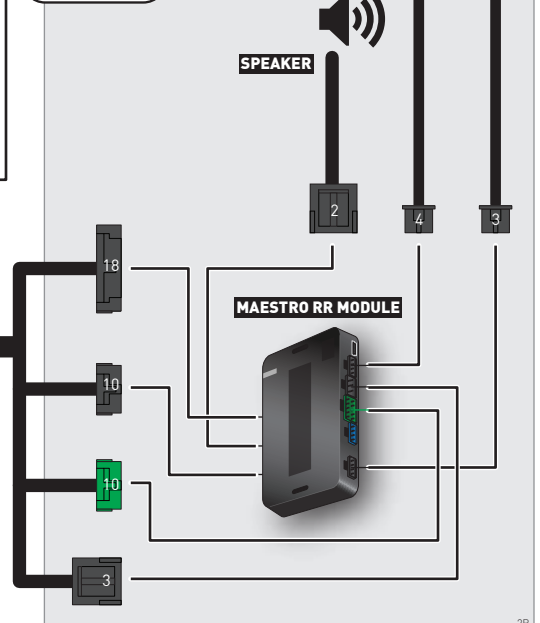
STEP 3



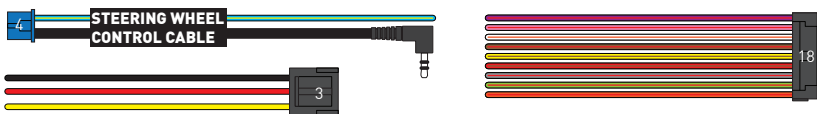
STEP 4



STEP 6



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q		CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

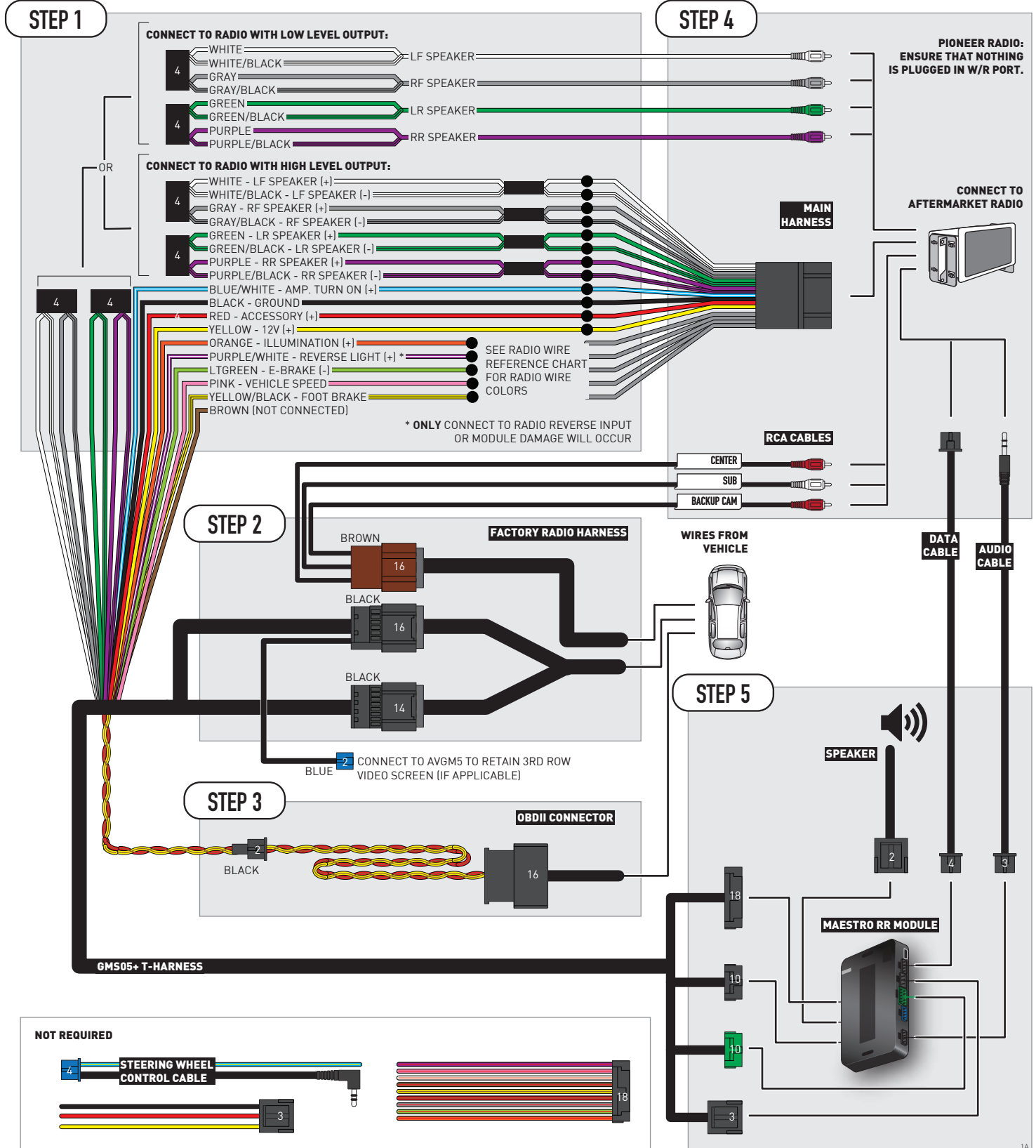
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

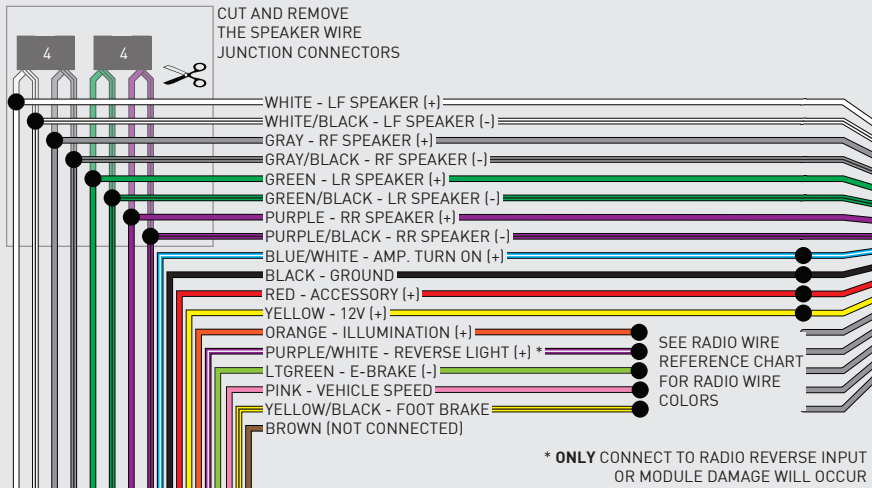
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

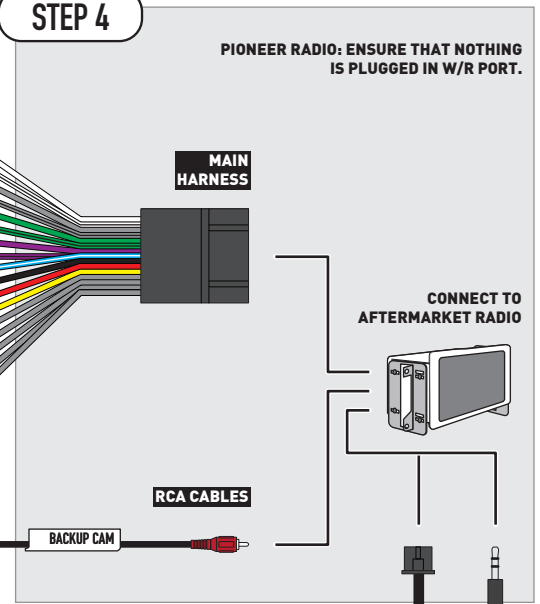


WIRING DIAGRAM *without an Amplifier*

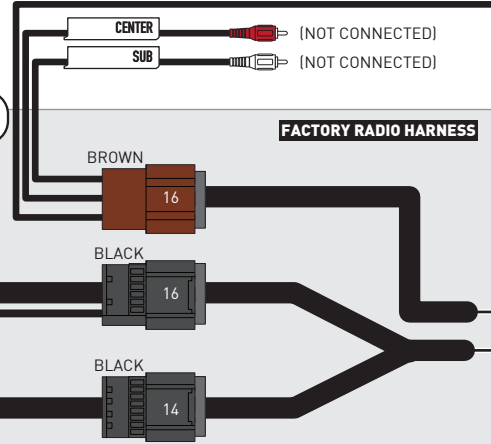
STEP 1



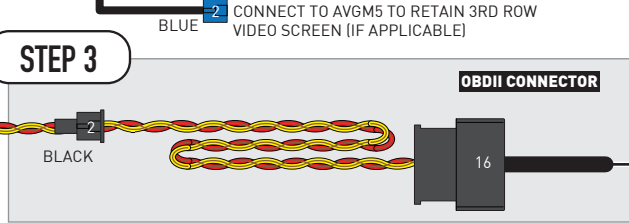
STEP 4



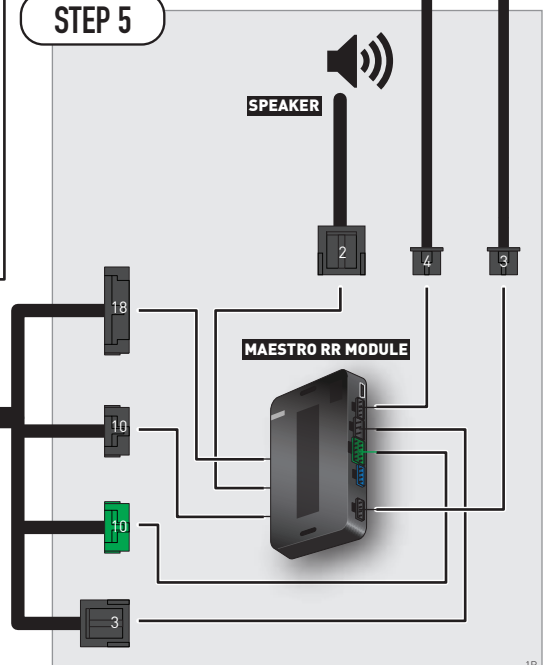
STEP 2



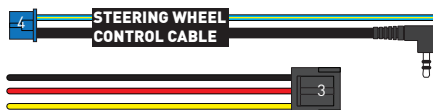
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE		
2GCEK19N031344764				143 5 FXWH2Q				CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U		
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07		
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34		
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS		
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1		
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9			
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692		
7YT												
BC/CC	U	8555				692						

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the **"AMPLIFIER ONLY"** note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the GREEN male 2 pin connector of the backup camera cable to the GREEN female connector of the backup camera adapter. Connect GRAY connector of adapter to the vehicle backup camera harness.

STEP 3

- Connect the factory harness to the GM2 T-harness. Ensure that the RED 2 pin plugs are connected.

STEP 4

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

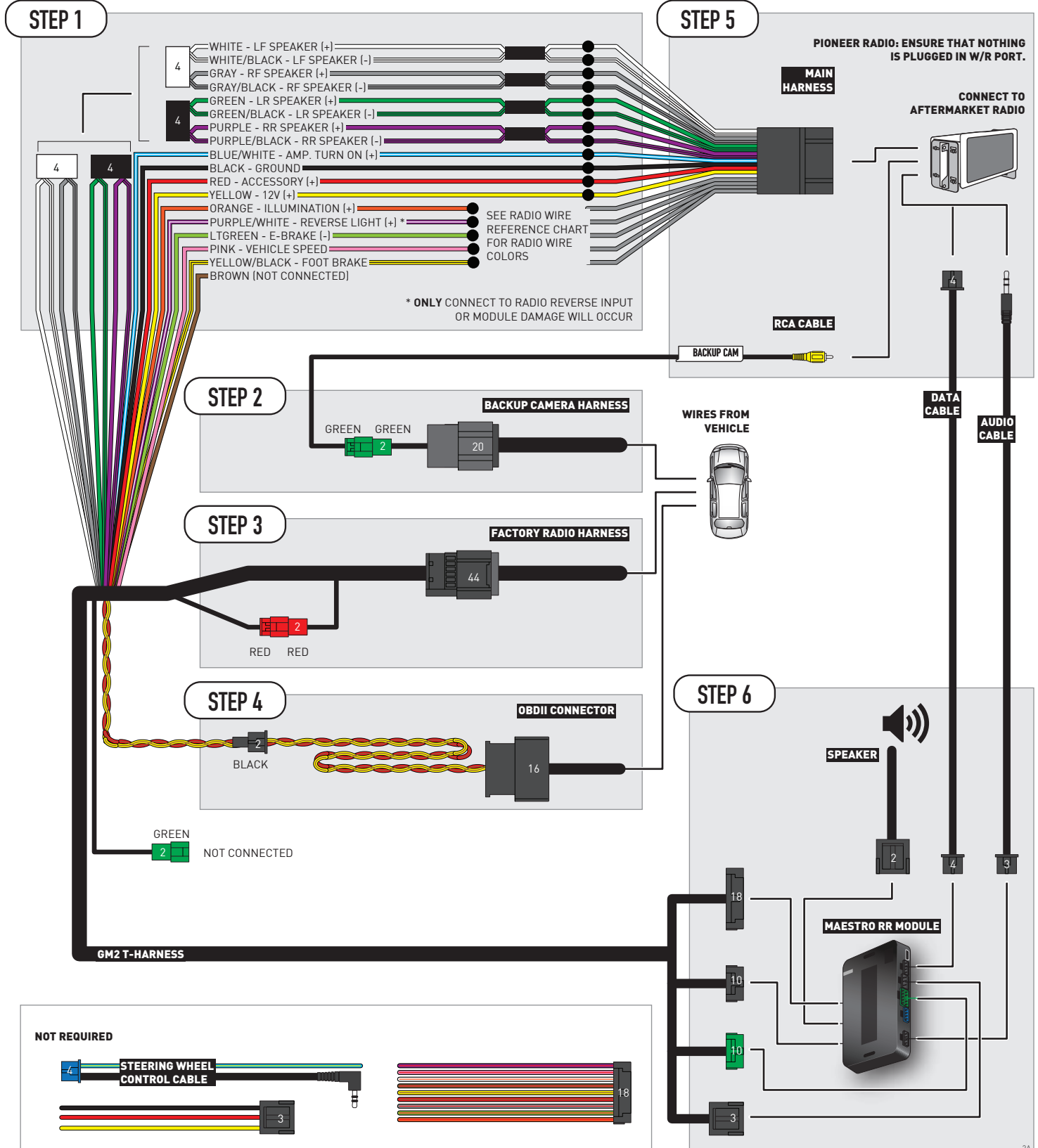
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

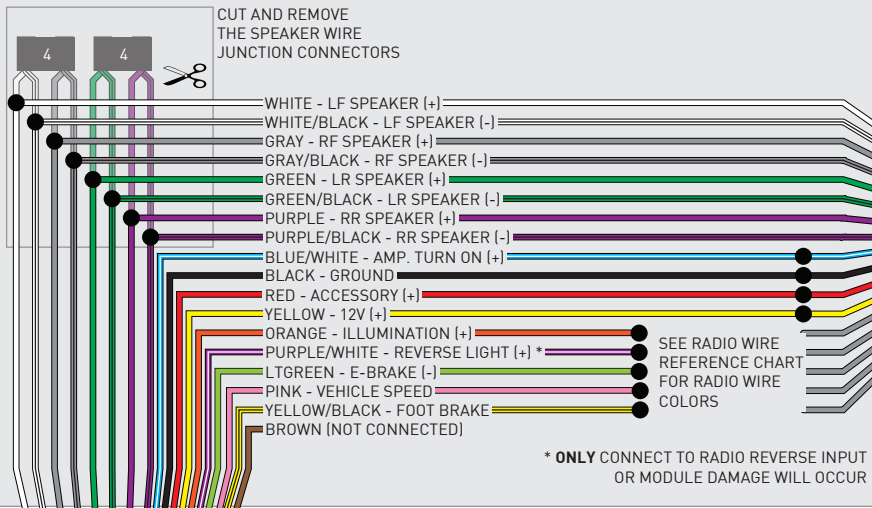
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

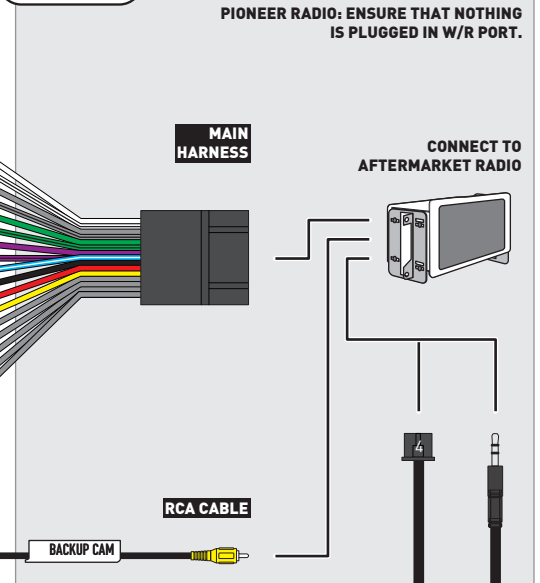


WIRING DIAGRAM *without an Amplifier*

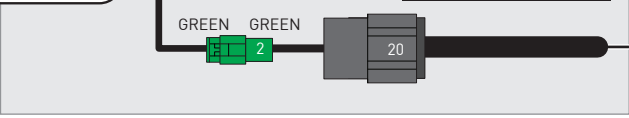
STEP 1



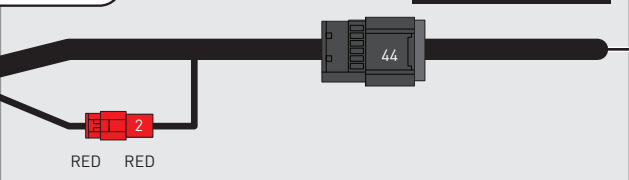
STEP 5



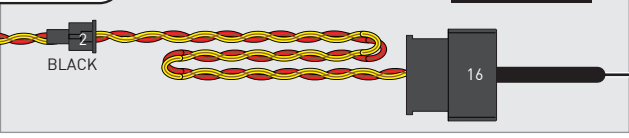
STEP 2



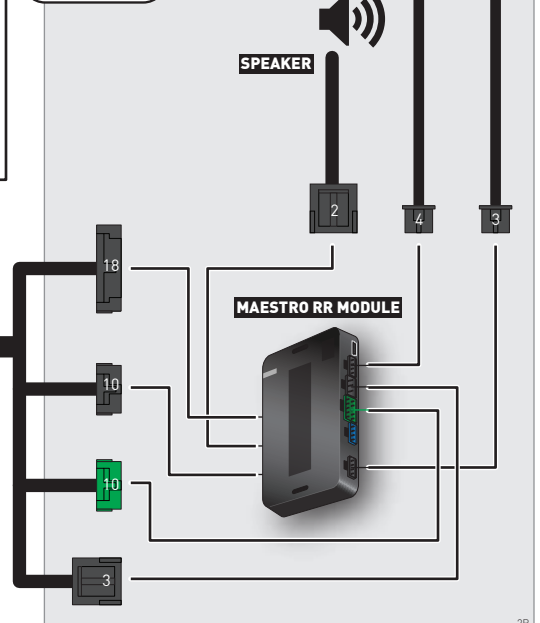
STEP 3



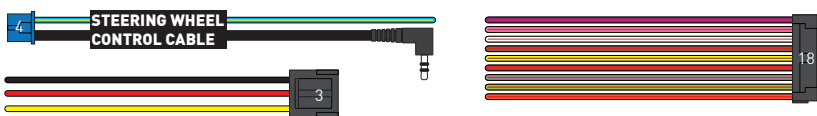
STEP 4



STEP 6



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2012-2014
GMC YUKON XL
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

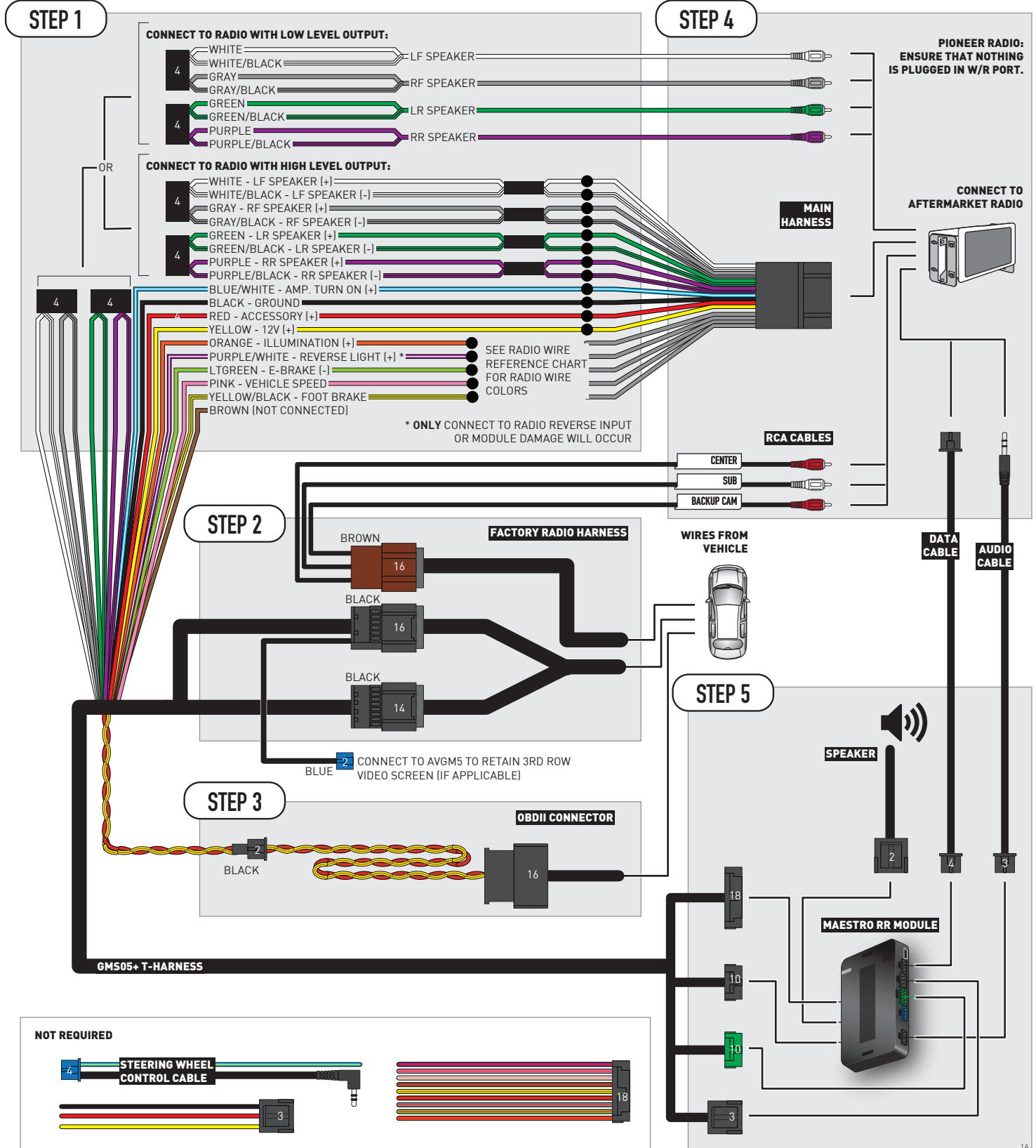
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

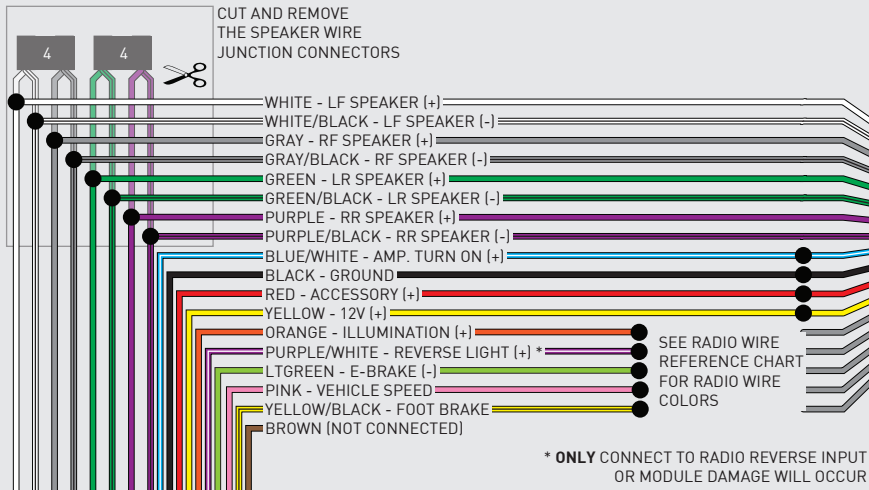
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

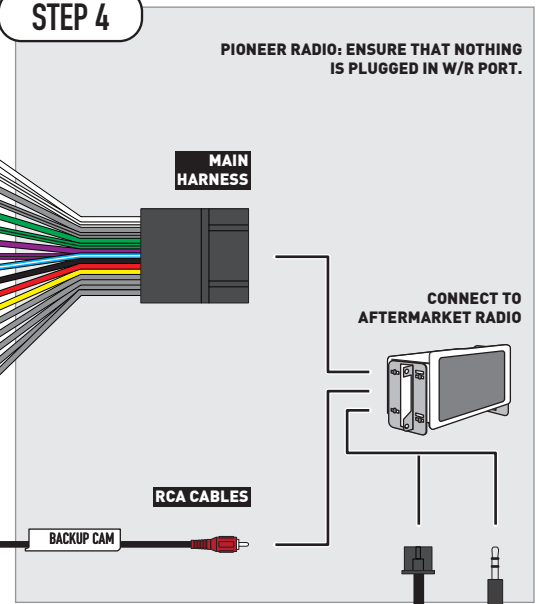


WIRING DIAGRAM *without an Amplifier*

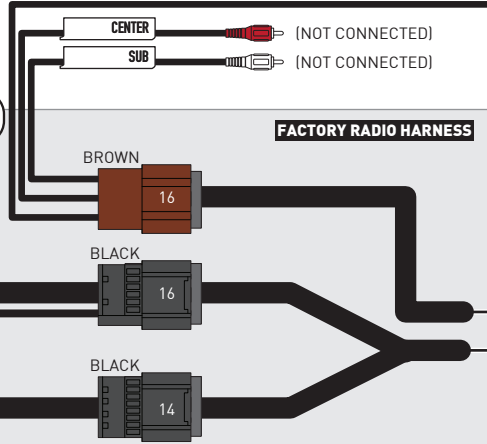
STEP 1



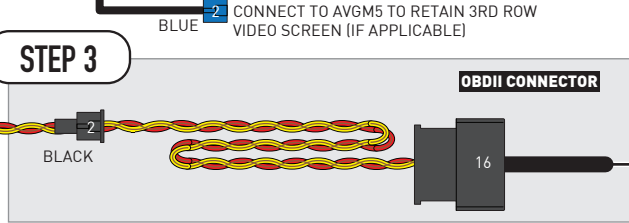
STEP 4



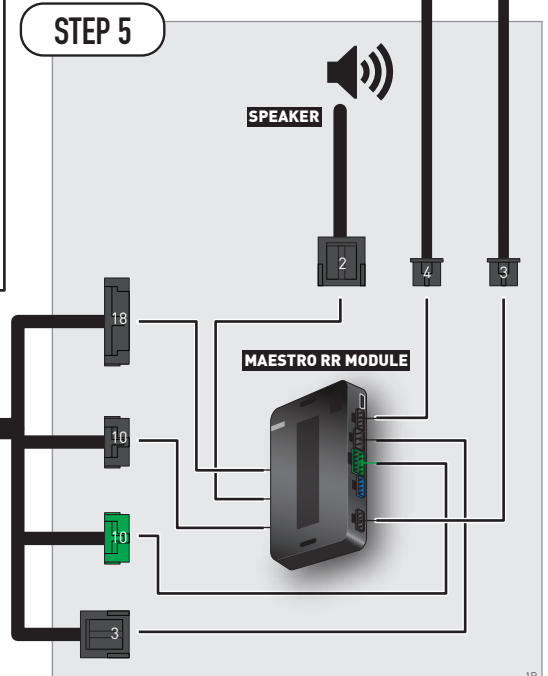
STEP 2



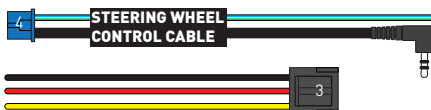
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q		CKI5753	
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3
B58	B81	B82	CJ3	C49	C7H	DF5	DK7
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU
7YT							6YT
BC/CC	U	8555			692		691
							692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

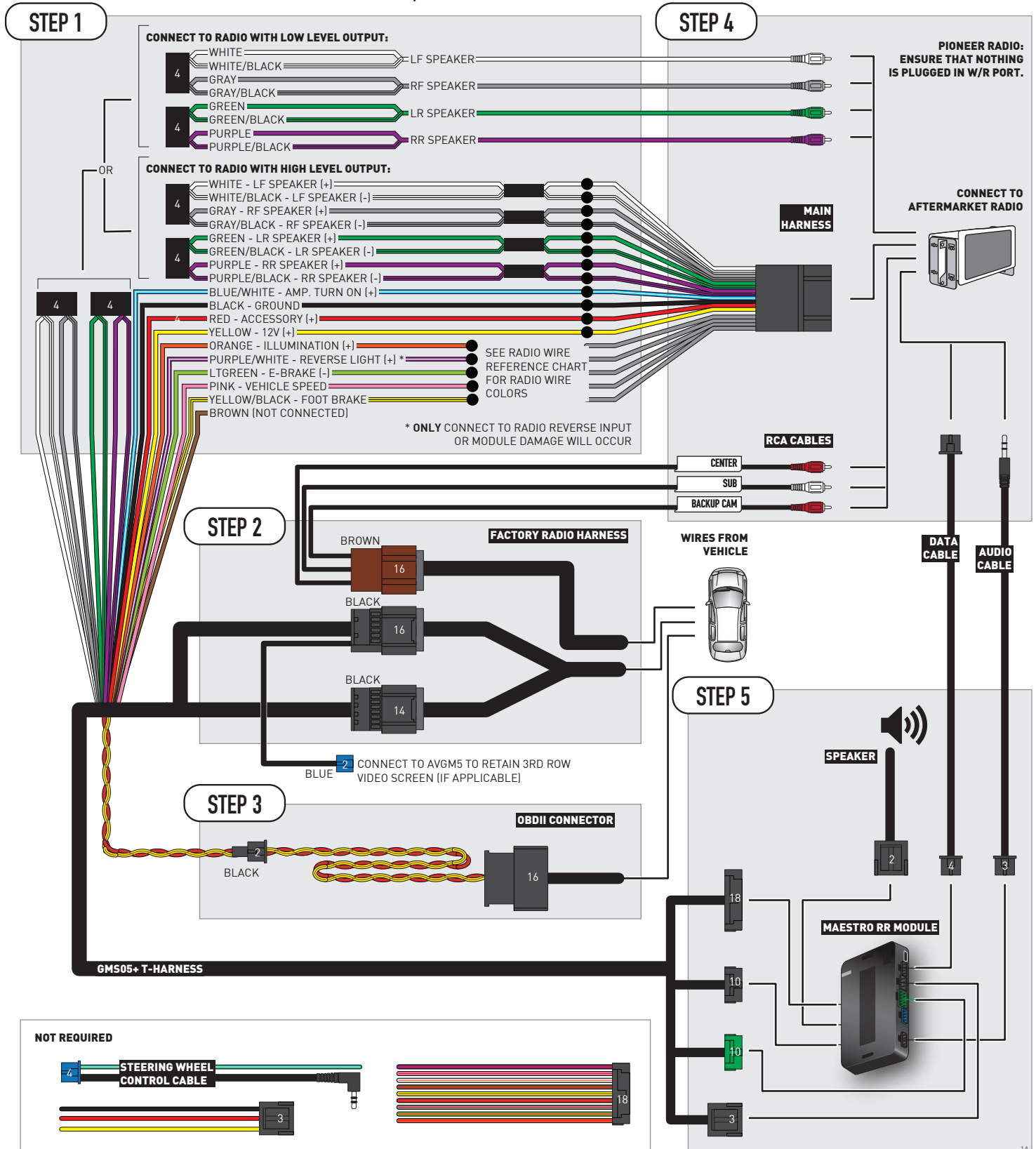
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

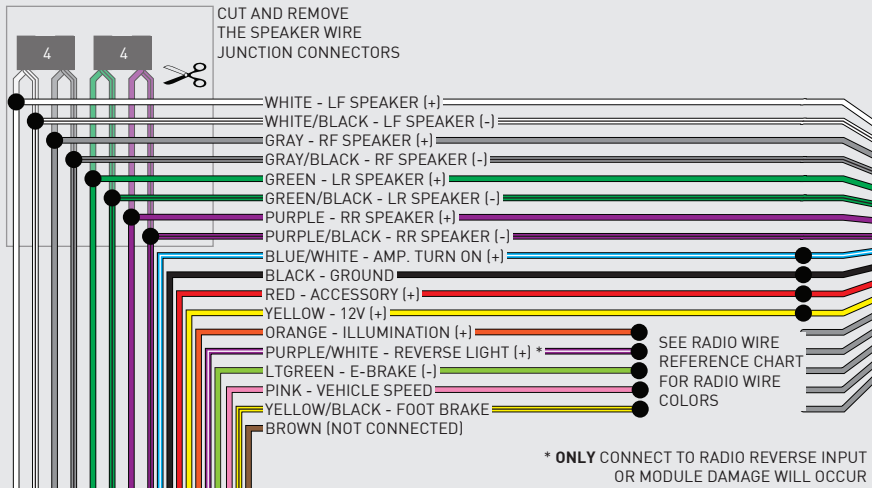
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

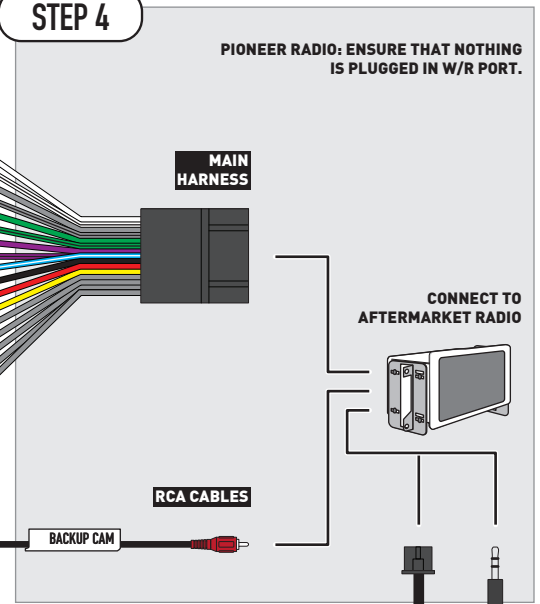


WIRING DIAGRAM *without an Amplifier*

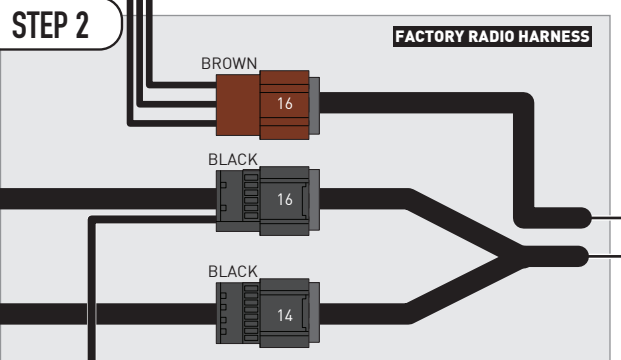
STEP 1



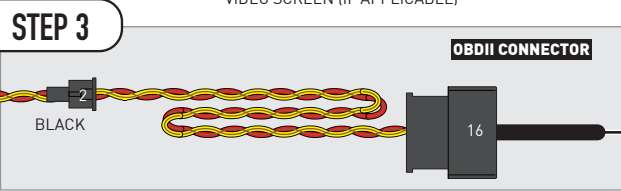
STEP 4



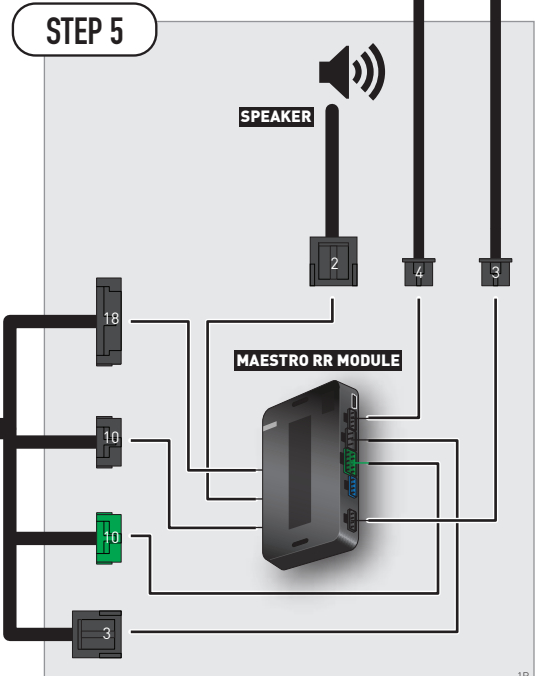
STEP 2



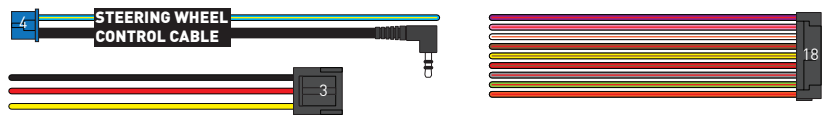
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you have hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE			
2GCEK19N031344764					143 5 FXWH2Q					CKI5753			
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U			
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07			
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34			
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS			
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1			
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9				
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692			
7YT													
BC/CC	U	8555				692							

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

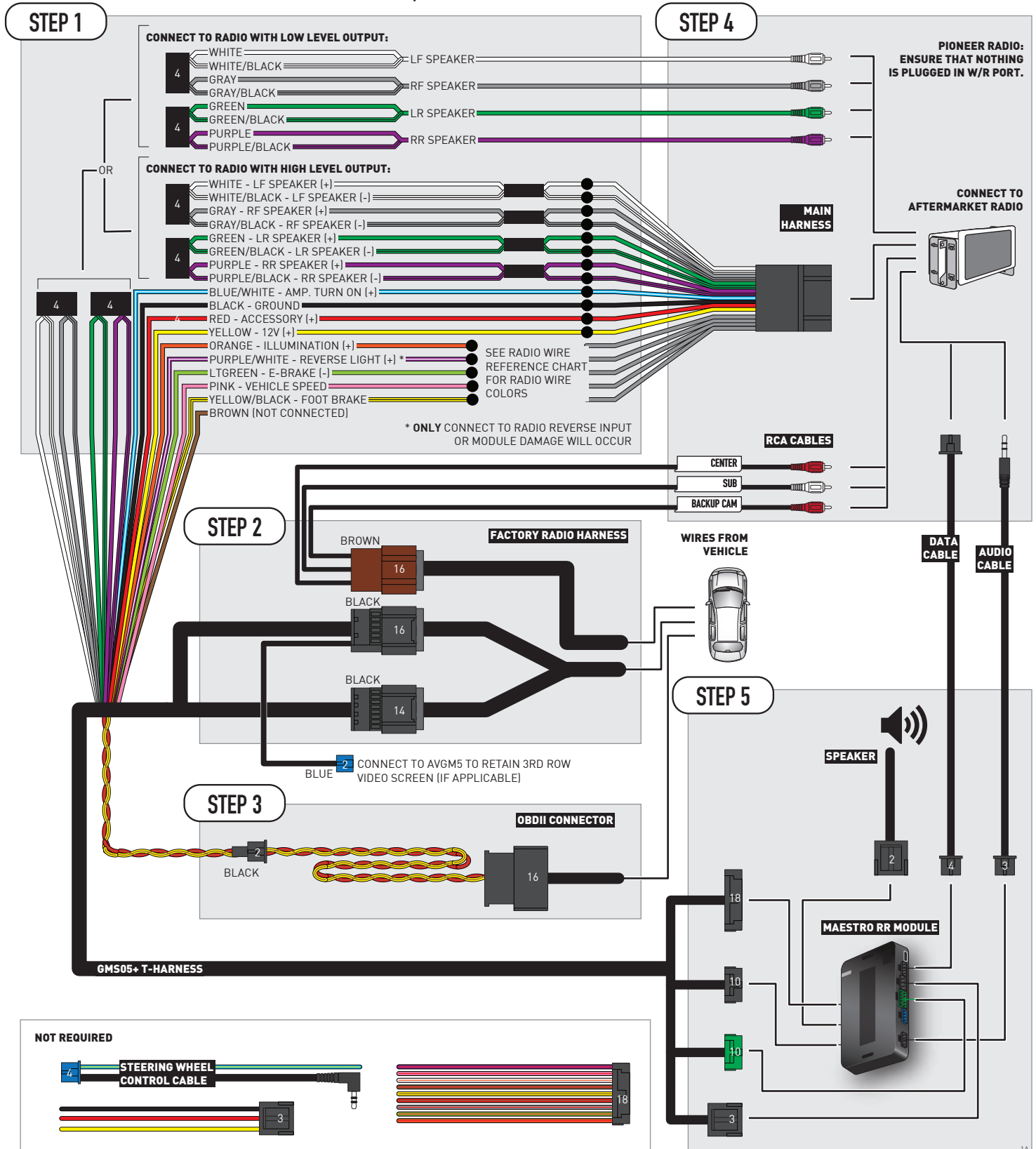
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

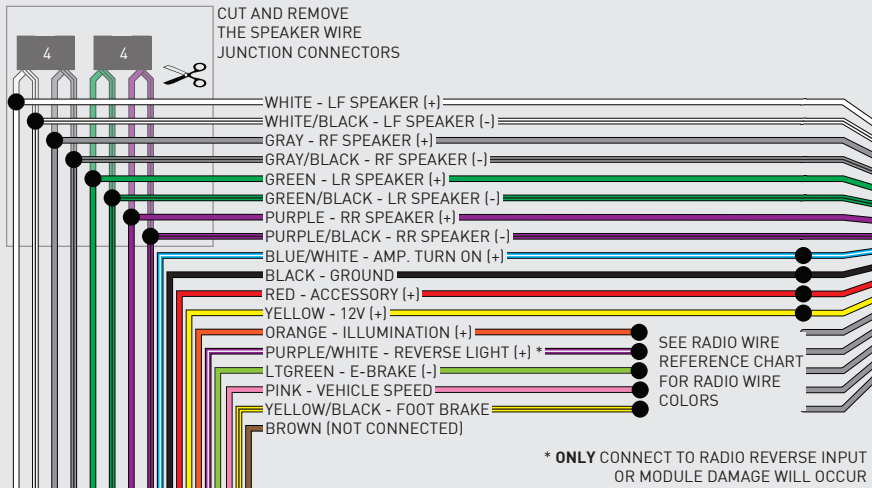
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

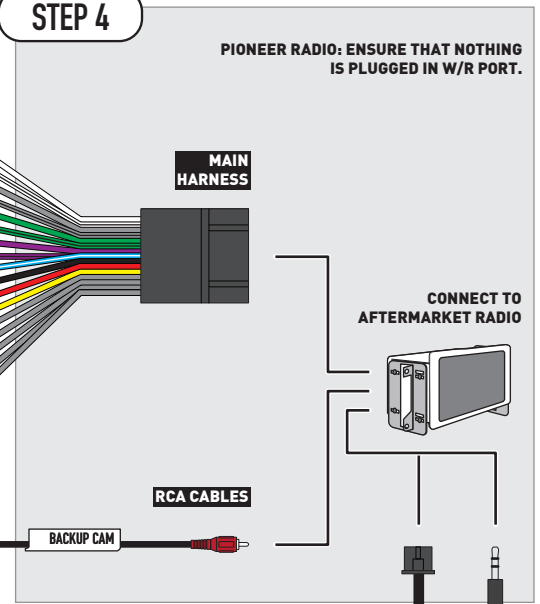


WIRING DIAGRAM *without an Amplifier*

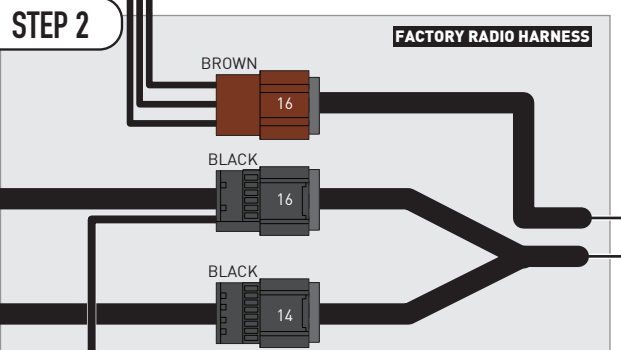
STEP 1



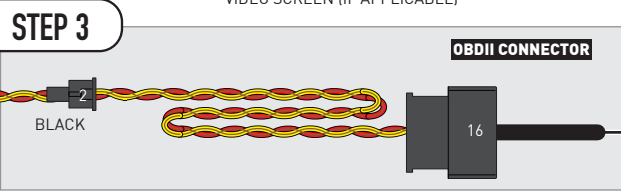
STEP 4



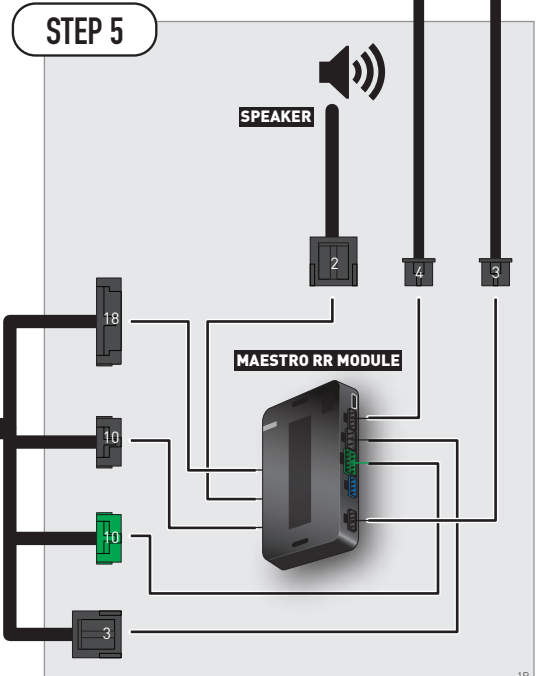
STEP 2



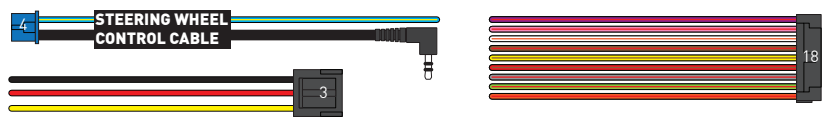
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1/2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

ACC-SP1

Click here for:
[Radar Installation Guides](#)

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE			
2GCEK19N031344764				143 5 FXWH2Q		CKI5753	
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3
B58	B81	B82	CJ3	C49	C7H	DF5	DK7
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU
7YT							6YT
BC/CC	U	8555			692		691
							692

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

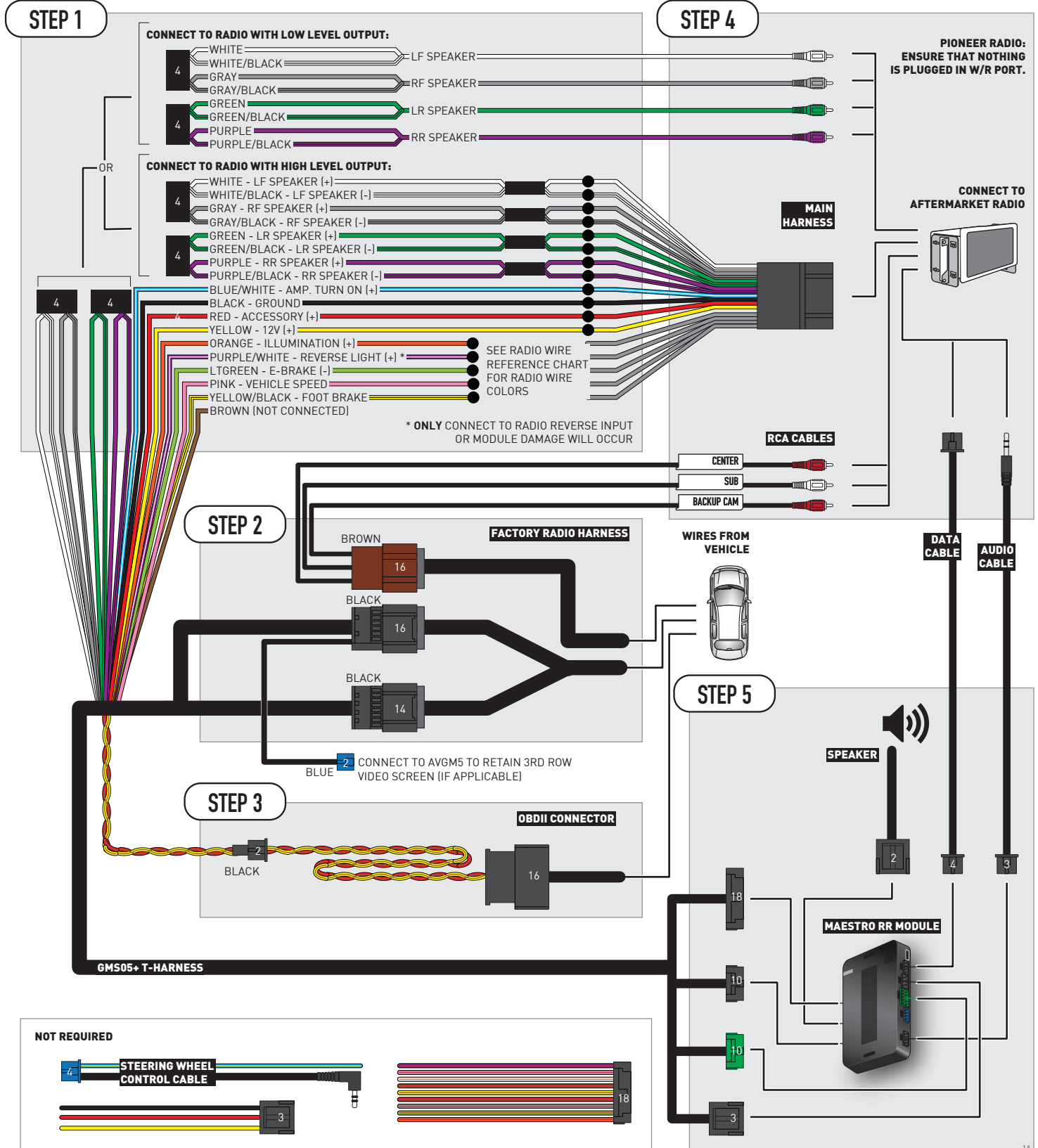
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

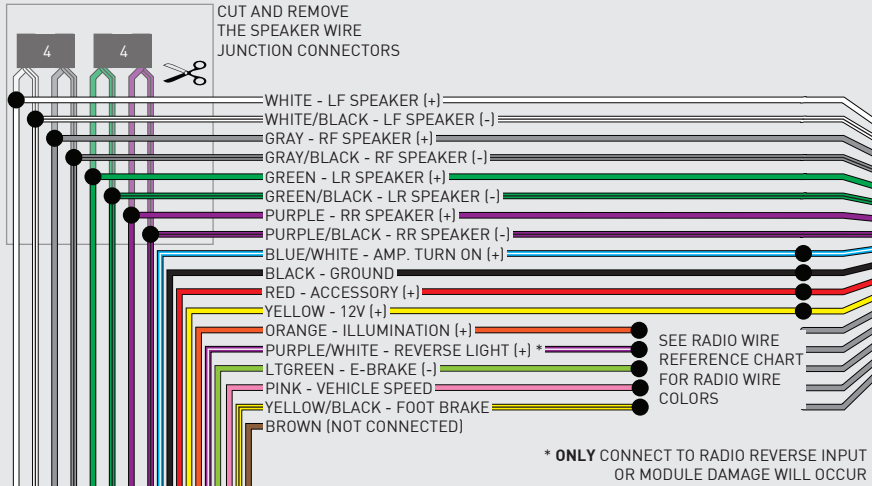
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

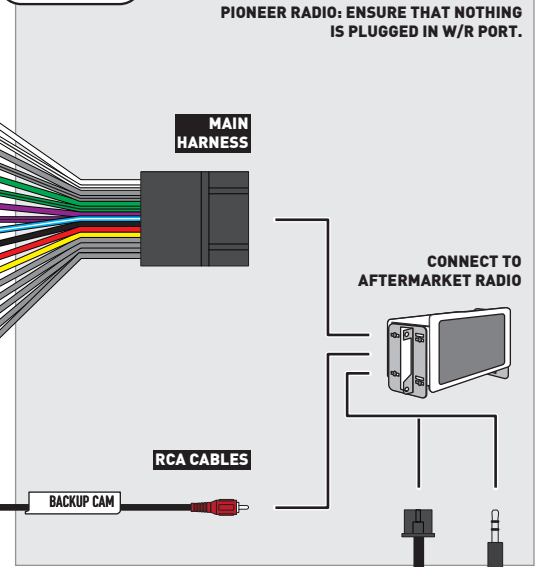


WIRING DIAGRAM *without an Amplifier*

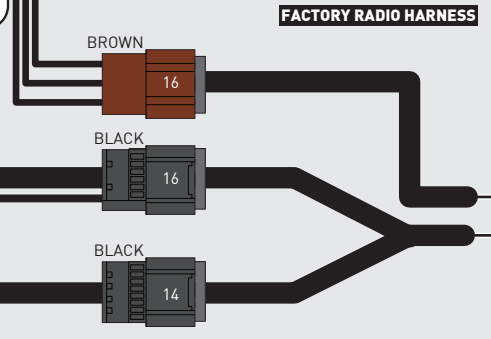
STEP 1



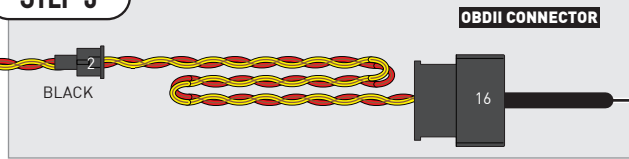
STEP 4



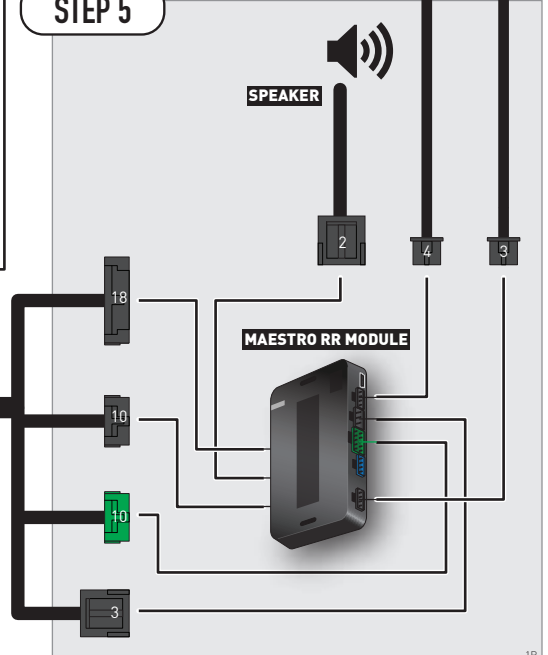
STEP 2



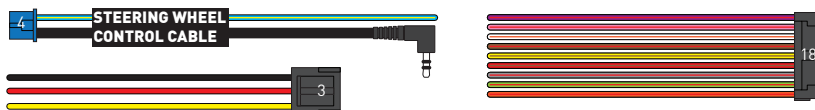
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION				DO NOT REMOVE						
2GCEK19N031344764				143 5 FXWH2Q CKI5753						
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC	P30	QSS
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YE9	
YSS	ZGC	ZYI	Z60	Z82	ISS	ISZ	4IU	6YT	691	692
7YT										
BC/CC	U	8555			692					

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

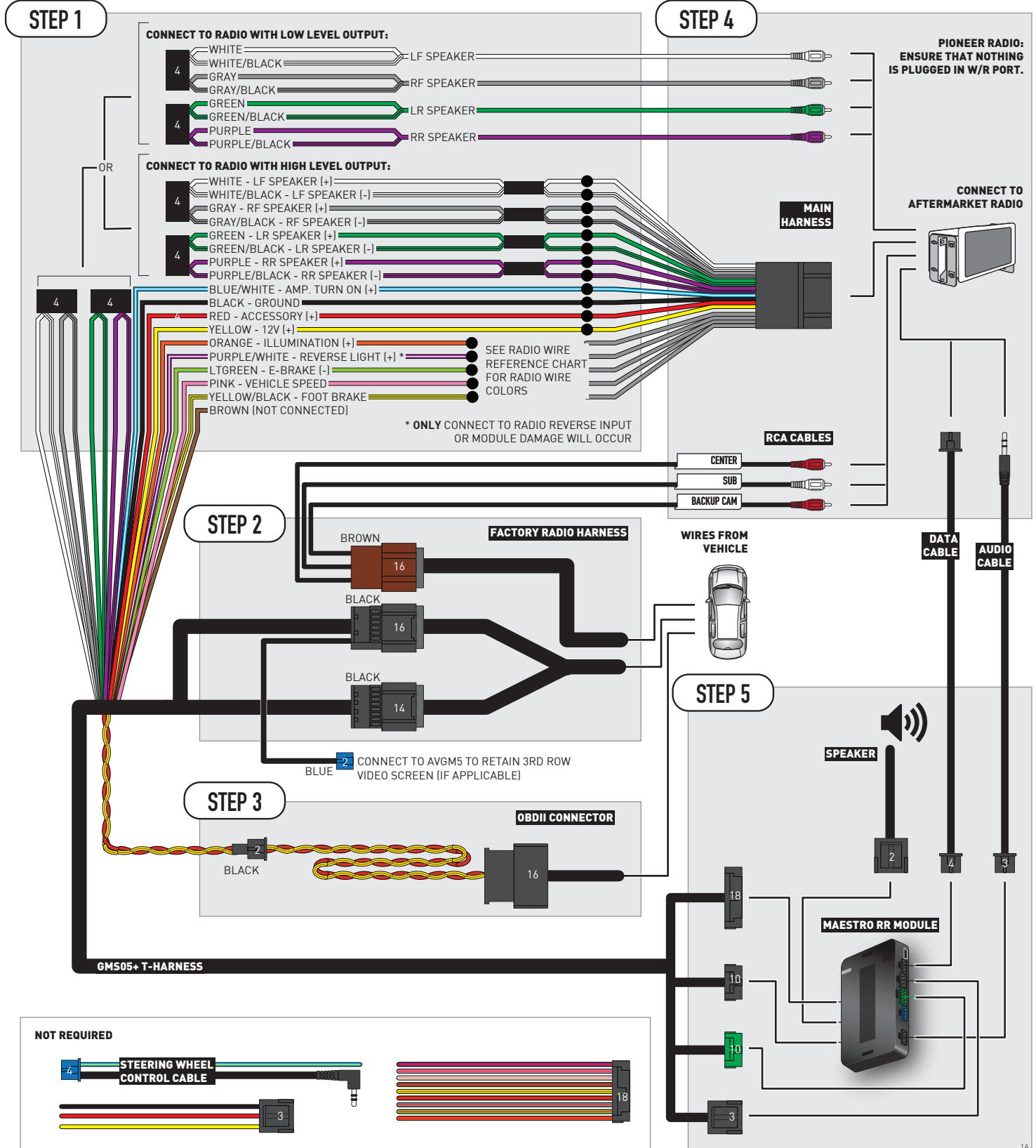
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

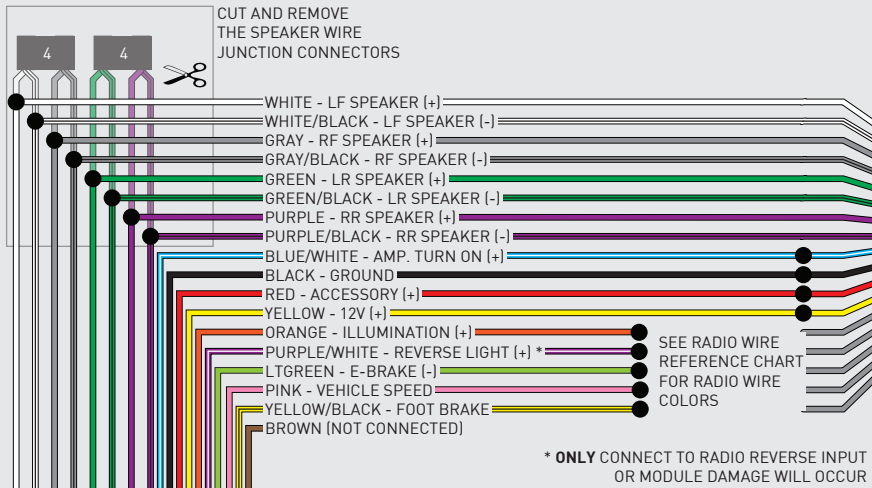
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

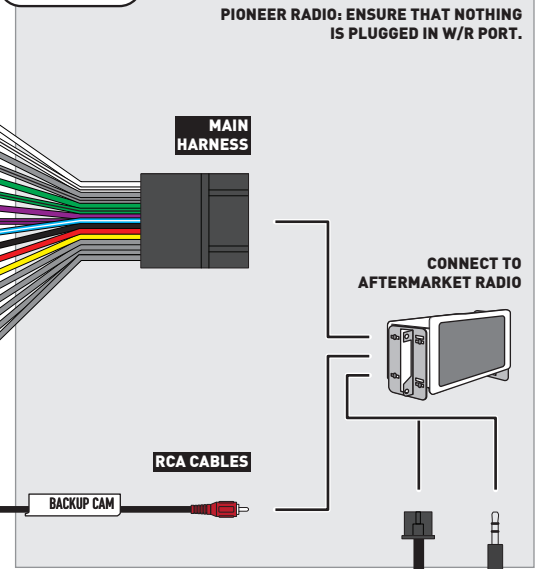


WIRING DIAGRAM *without an Amplifier*

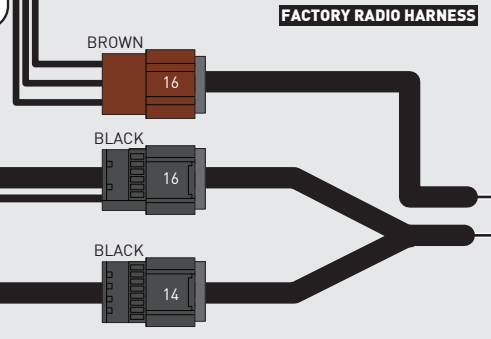
STEP 1



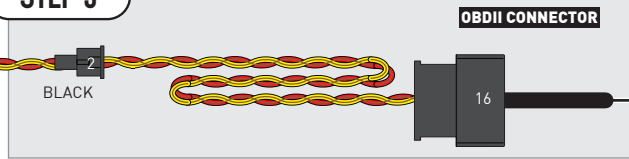
STEP 4



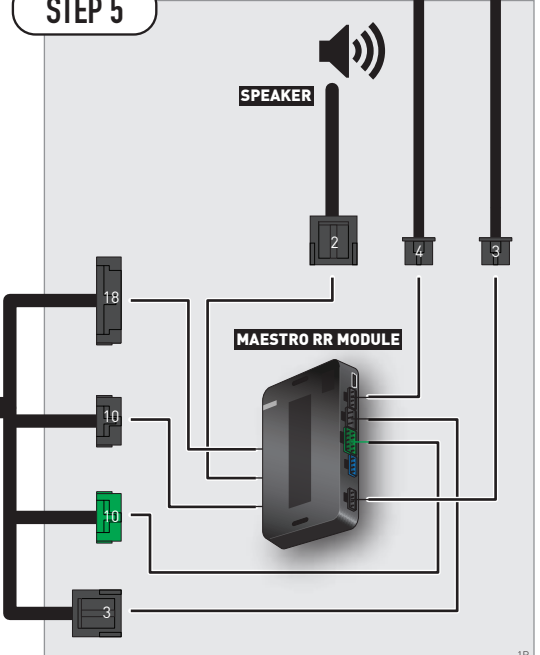
STEP 2



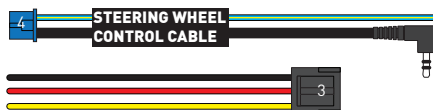
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, ONSTAR, BLUETOOTH, XM SATELLITE AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro GM5+ Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-GM05-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-SP1

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

TABLE OF CONTENTS

Before Installing	3
Installation Instructions	4
Wiring Diagram with an Amplifier	5
Wiring Diagram without an Amplifier	6
Radio Wire Reference Chart	7
Module Diagnostics	8
Troubleshooting Table	9

BEFORE INSTALLING P1/1

STEP 1

DETERMINE IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

METHOD 1: Look for the following logos in the vehicle. They are usually on the speaker covers or on the radio unit. If you find any of the following logos Bose, Pioneer or Monsoon, you have a factory amplifier.



METHOD 2: Look for the following sticker in the glove box. This sticker will indicate all the Regular Production Option (RPO) codes. If you find any of the following codes UQA, UQS or UQG, you have a factory amplifier.

SERVICE PARTS IDENTIFICATION										DO NOT REMOVE		
2GCEK19N031344764				143 5 FXWH2Q				CKI5753				
AGI	AG2	AJ1	AL0	AM7	AN3	AU0	AU3	A31	B30	B4U		
B58	B81	B82	CJ3	C49	C7H	DF5	DK7	DL3	DT4	D07		
EVA	E63	FF8	FF9	GT5	G80	JC4	KC4	KNP	KUP	K34		
K47	K68	LQ9	M32	NC1	NE1	NP3	NP5	OC6	P30	QSS		
R4Y	R9U	R9Z	SAF	SLM	TRB	UC6	UK3	UQA	U2K	UF1		
UF3	UK3	VR4	VTV	VXS	V73	XSS	X88	YD6	YD6	YE9		
YSS	ZGC	ZY1	Z60	Z82	ISS	ISZ	4IU	6YT	691	692		
7YT												
BC/CC	U	8555				692						

STEP 2

IF YOUR VEHICLE IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **with an amplifier** and read the "AMPLIFIER ONLY" note to determine if you should use rca's or level matching circuits.

IF YOUR VEHICLE NOT IS EQUIPPED WITH A FACTORY AMPLIFIER:

Follow the installation instructions and complete the installation as shown in the wiring diagram **without an amplifier**.

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the GM5+ T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the GM5+ T-harness.

STEP 3

- Plug the OBDII connector into the OBDII of the vehicle, under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module. Plug the accessory speaker into the Maestro RR. Ensure the speaker is secured in a location that allows the chimes to be easily audible. Test your installation.

AMPLIFIER ONLY

DETERMINE IF YOU SHOULD USE RCA'S OR LEVEL MATCHING CIRCUITS

- If your vehicle is equipped with a factory amplifier you can connect the RCA wiring to the low level outputs of your aftermarket radio, or connect the level matching circuits to the speaker outputs of the aftermarket radio.
- If your aftermarket radio does not have low level outputs, has only a single RCA output, or the RCA output level is 2 volts or less then it is recommended to connect the level matching circuit to the speaker outputs. If the volume does not go loud enough using the RCA connections, the level matching circuits can be used.
- The internal amplifier in some radios is not compatible with the level matching circuit. In these cases, there will be floor noise (hissing or buzzing at low levels) when the level matching circuit is connected. Change to the RCA connections to eliminate this noise.

OnStar or warning chime adjust (Audio in vehicle speakers):

- Turn ignition (IGN) on
- Open driver's door

Select to adjust:

OnStar level - Press OnStar button.

Warning chime level - turn headlight switch to parking light position (not AUTO).

- Adjust volume using steering wheel volume up/down OR dimmer switch. If using dimmer switch, ensure headlight switch is NOT set to AUTO.

OnStar, turn signal, or warning chime adjust (Audio in GM5+ speaker):

- Find "OEM setup" menu in radio settings.

Under "Vehicle Features", select to adjust:

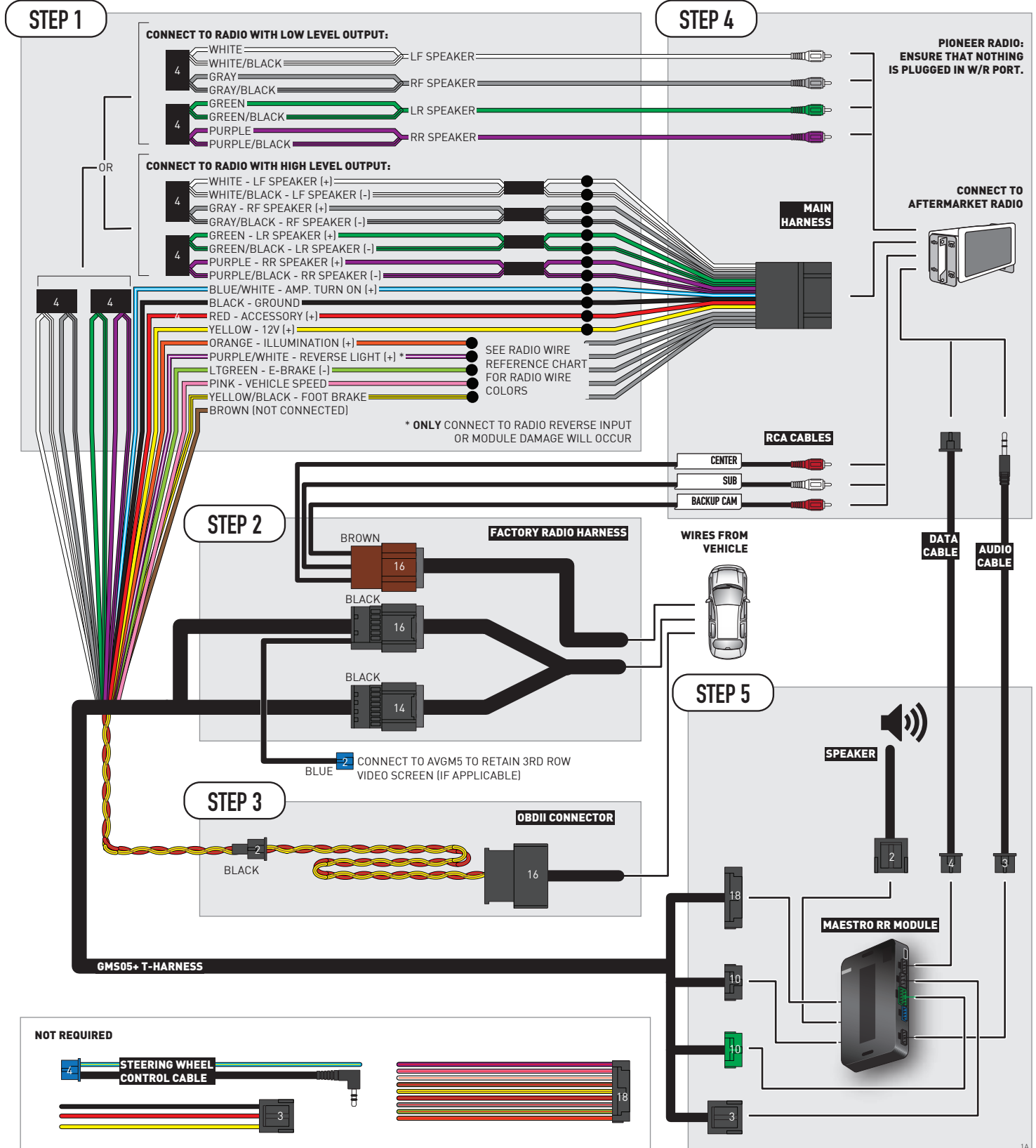
Onstar Volume - Level from 0-9

Chime Volume - Level from 0-9

Turn Signal Volume - 1-10

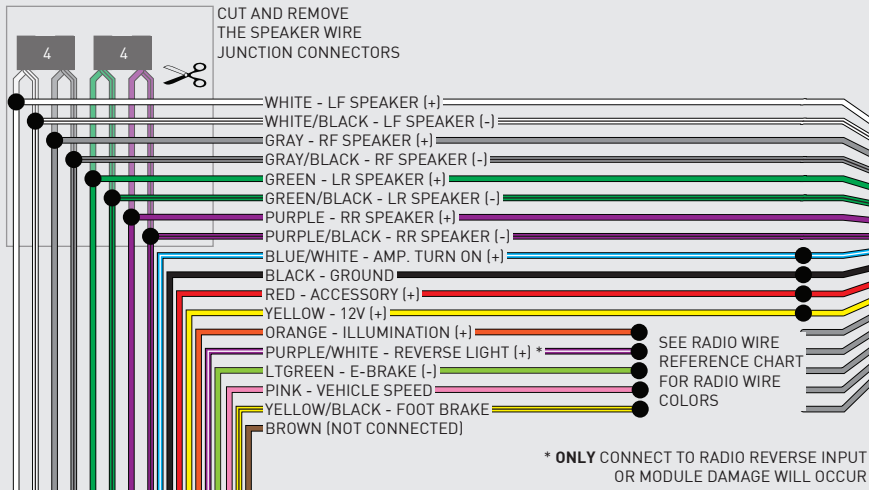
Turn Signal Reminder - Select "Click in speaker" for normal signal sounds. Select "Chime if left on" to only alert if turn signal is left on.

WIRING DIAGRAM *with an Amplifier*

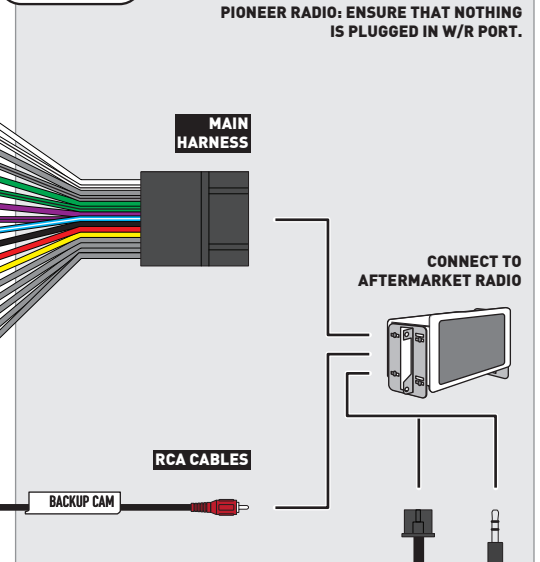


WIRING DIAGRAM *without an Amplifier*

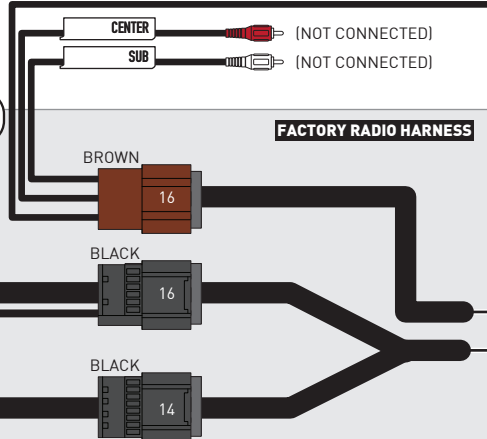
STEP 1



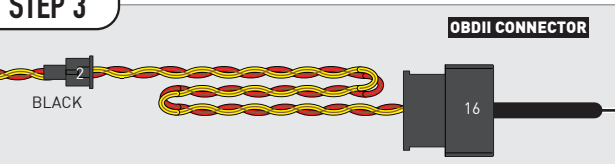
STEP 4



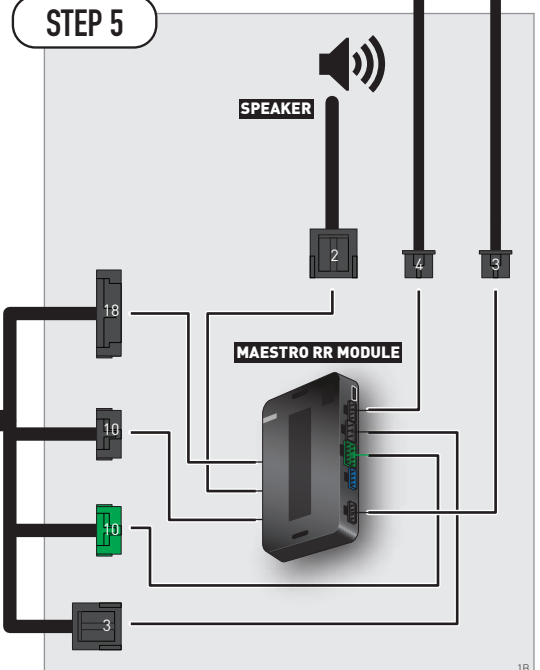
STEP 2



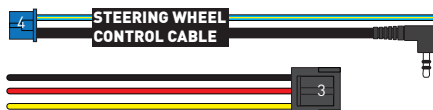
STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE P1 / 2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
No sound from Onstar or OEM Satellite (if equipped).	Make sure the audio cable is installed and inserted into the correct location on the radio.
Trying to use the OEM Satellite and get "Check Tuner" message.	In order to access the OEM Satellite you must go into the radio sources and look for the one that says "Satellite Radio". The SiriusXM source is not the same as the OEM Satellite source.
When listening to the OEM Satellite radio, the turn signals don't make the clicking noise, but they do in any other source.	This is normal. The audio for OEM Satellite radio and the turn signal clicks both come from the audio cable. The Maestro unit cannot process 2 different audio signals at the same time, so the OEM Satellite is priority.
There is no turn signal clicking noise.	Find OEM Setup in the radio settings. Under Vehicle Feature settings, look for Turn Signal Reminder. If it is set to "Chime If Left On", it will not click. If you wish to hear turn signal clicks, this setting must be set to "Click In Speaker".
No sound from the Bose system (If equipped).	Make sure the amplifier turn on wire (Blue/White) of the T-Harness is connected to the radio's amplifier turn on wire. When flashing the Maestro make sure that the Amplifier in OEM Systems to Retain is selected. Make sure the RCA's are connected to the radio or the speaker wires are connected depending on your installation method.
Vehicle had the Bose system and it was bypassed, now there are no chimes.	Remove the Maestro and reflash it, making sure you uncheck the Amplifier option in the OEM Systems section of the flash.
I have sound, but it is whisper quiet.	Make sure the RCA's are not being used. If they are, cut them off and wire directly to the speaker wires of the radio. Don't use the speaker wire adapters that have the circuit board covered with heat shrink, or cut out the circuit boards. These reduce the audio signal and are only used with the Bose amplified systems.
(Vehicle using a GM2 harness only) Backup camera is not working and displays a black screen on radio when in reverse.	Ensure the 2-pin green plug is connected as shown on the diagram.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
The radio is ON and the light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.