SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

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.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE

2016
SCION IM

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

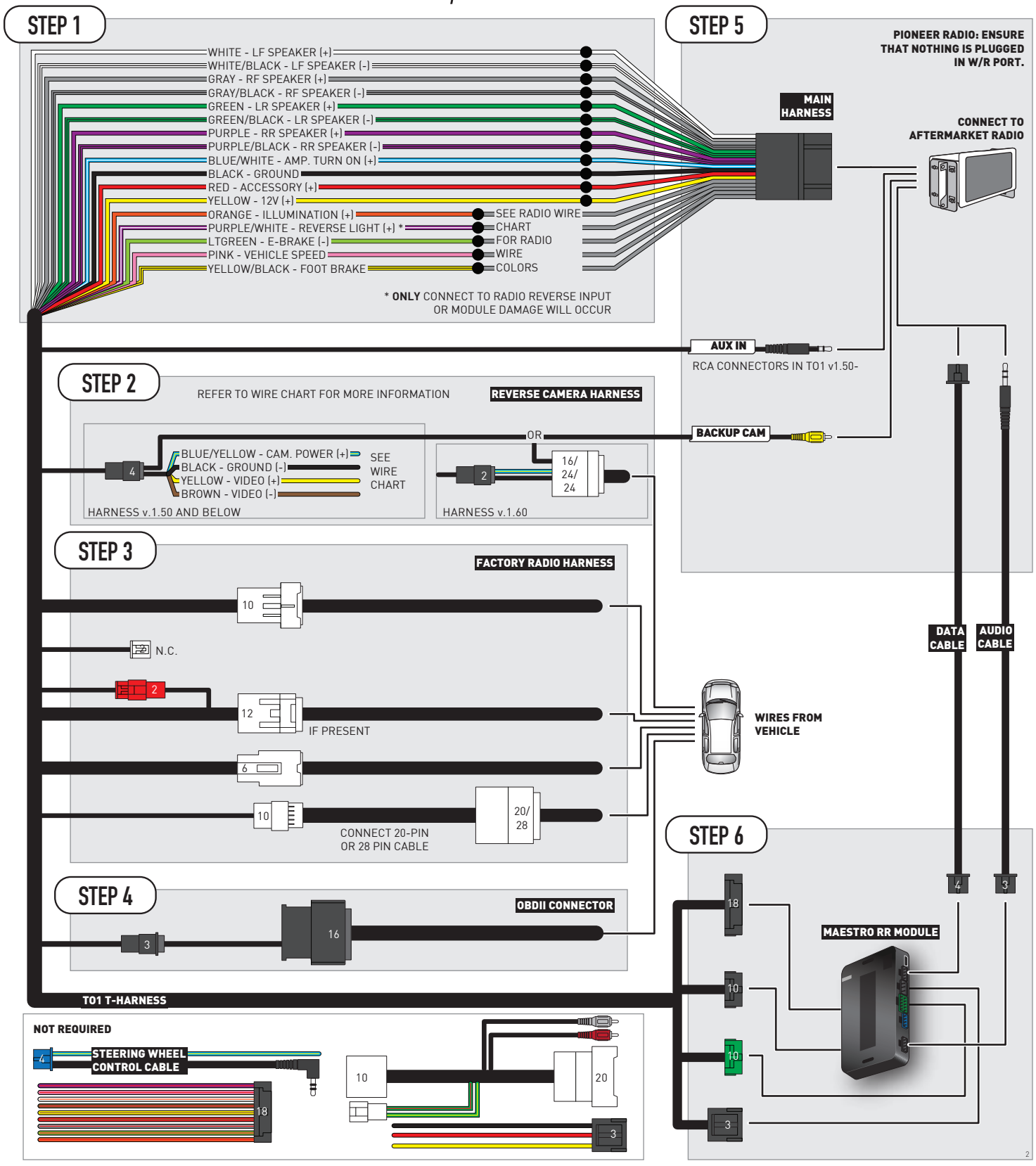
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



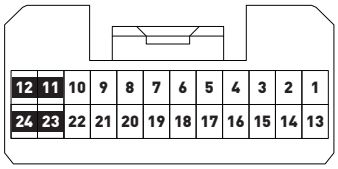
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2011-2016
SCION IQ

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

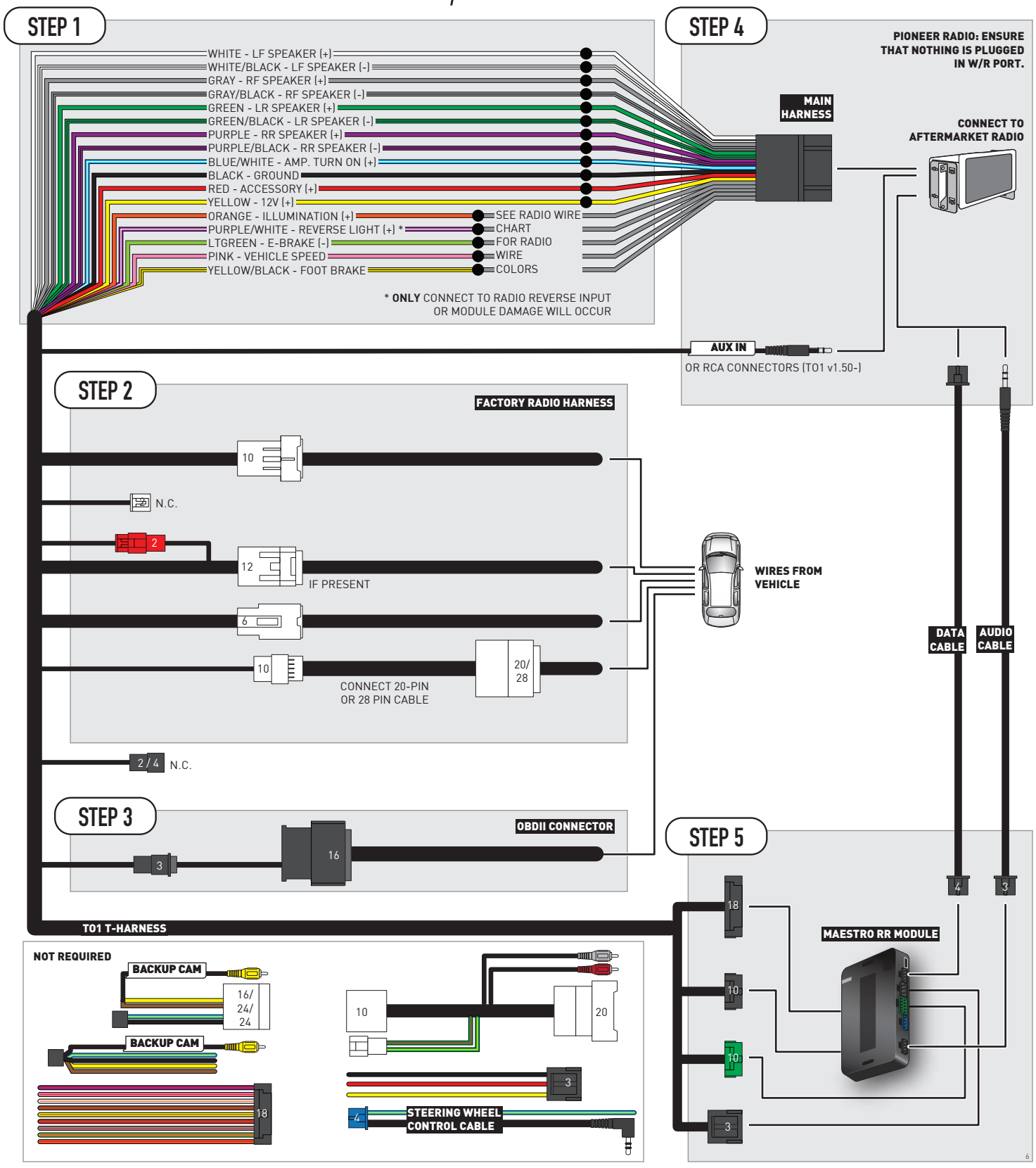
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2016
SCION TC

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

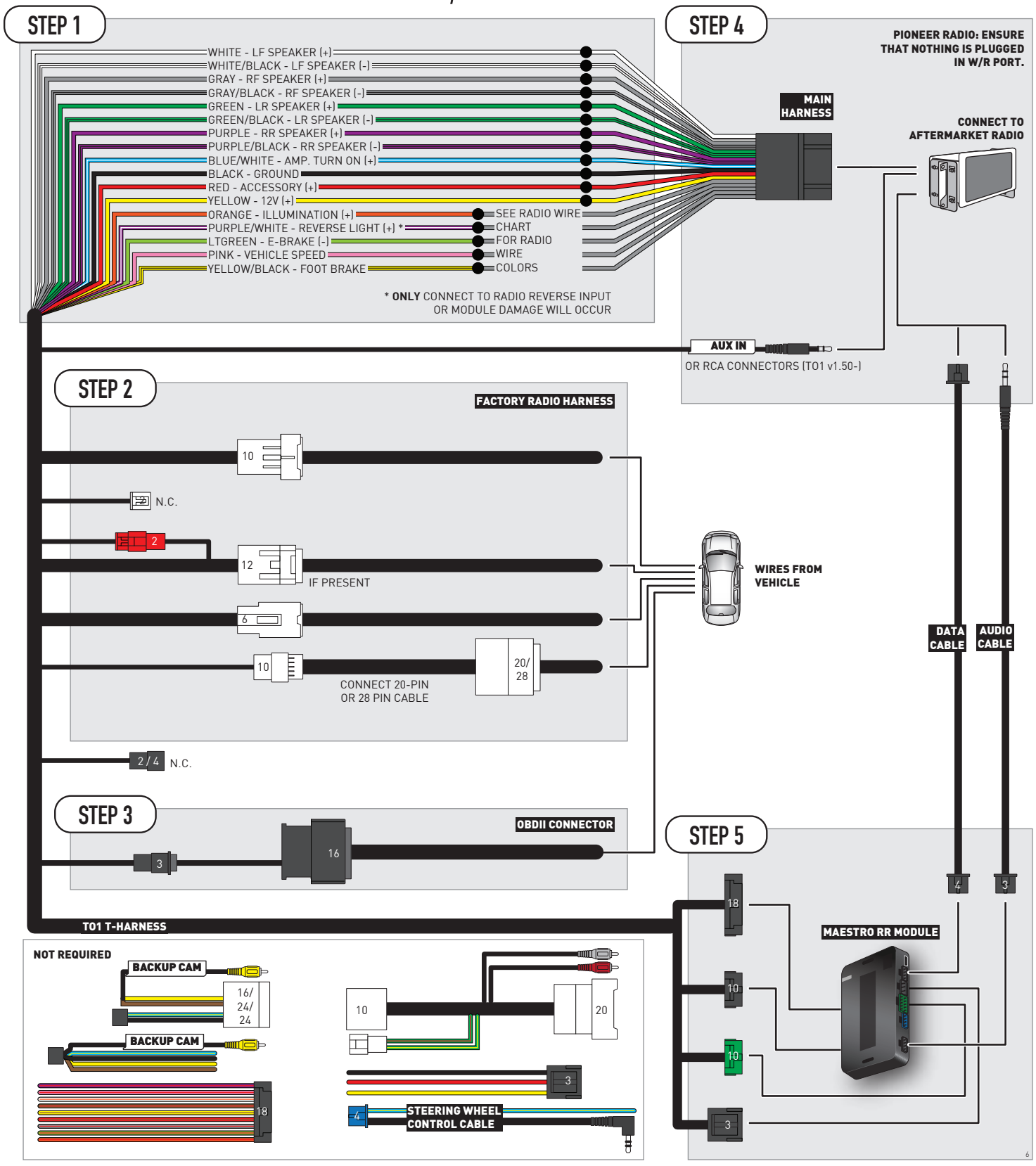
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2016
SCION XB

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

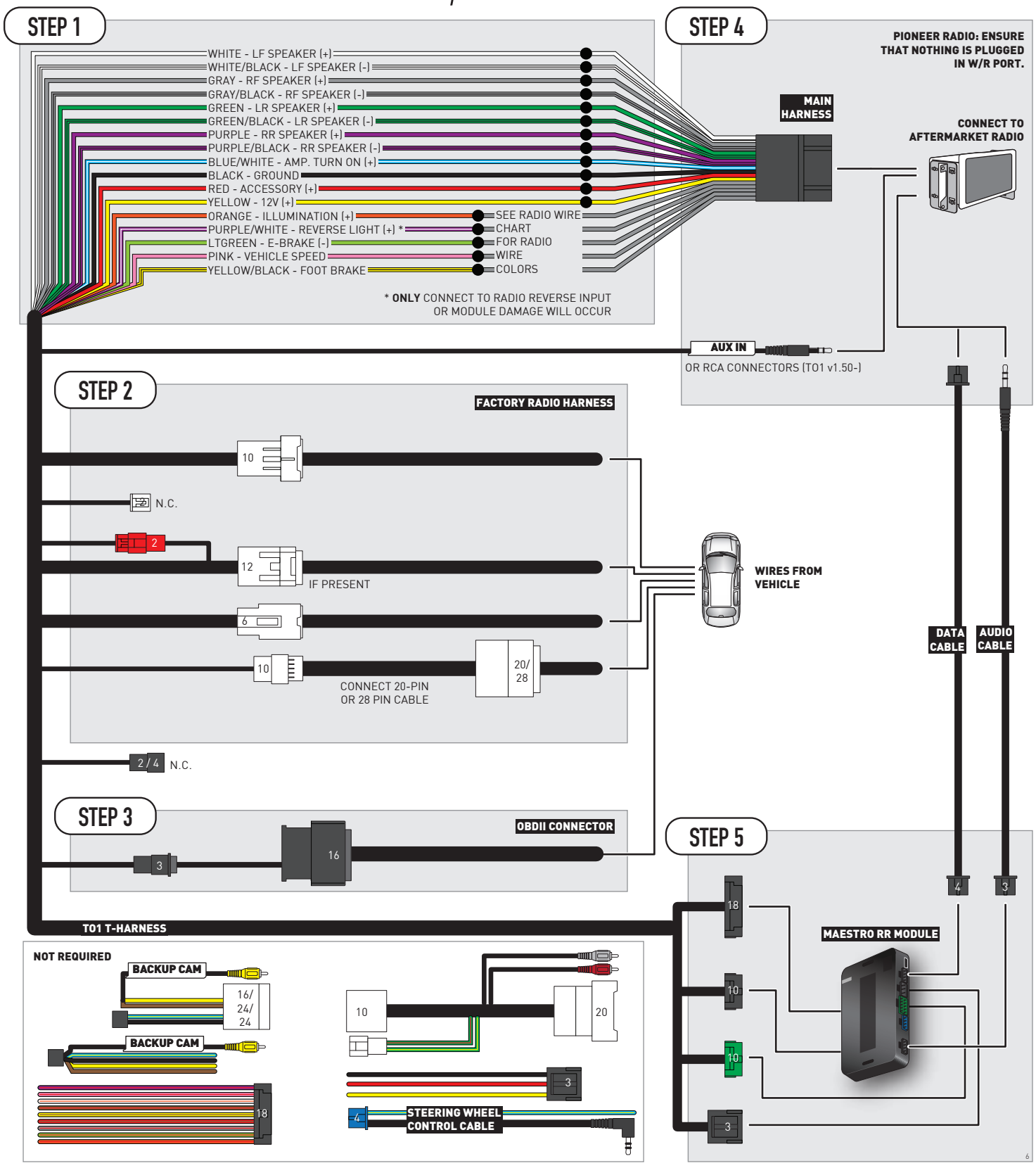
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2014
SCION XD

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

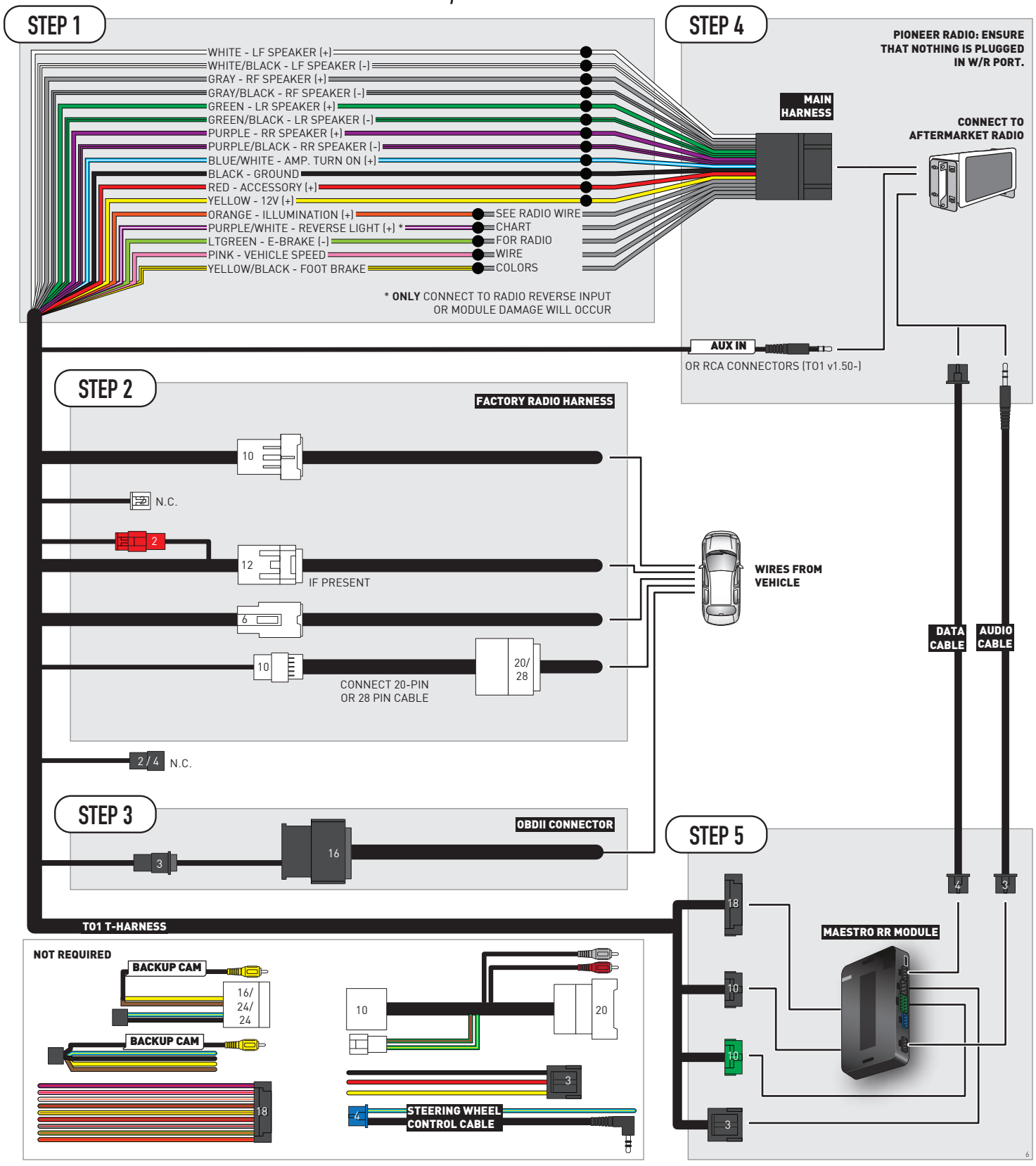
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2005-2011
TOYOTA 4 RUNNER
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

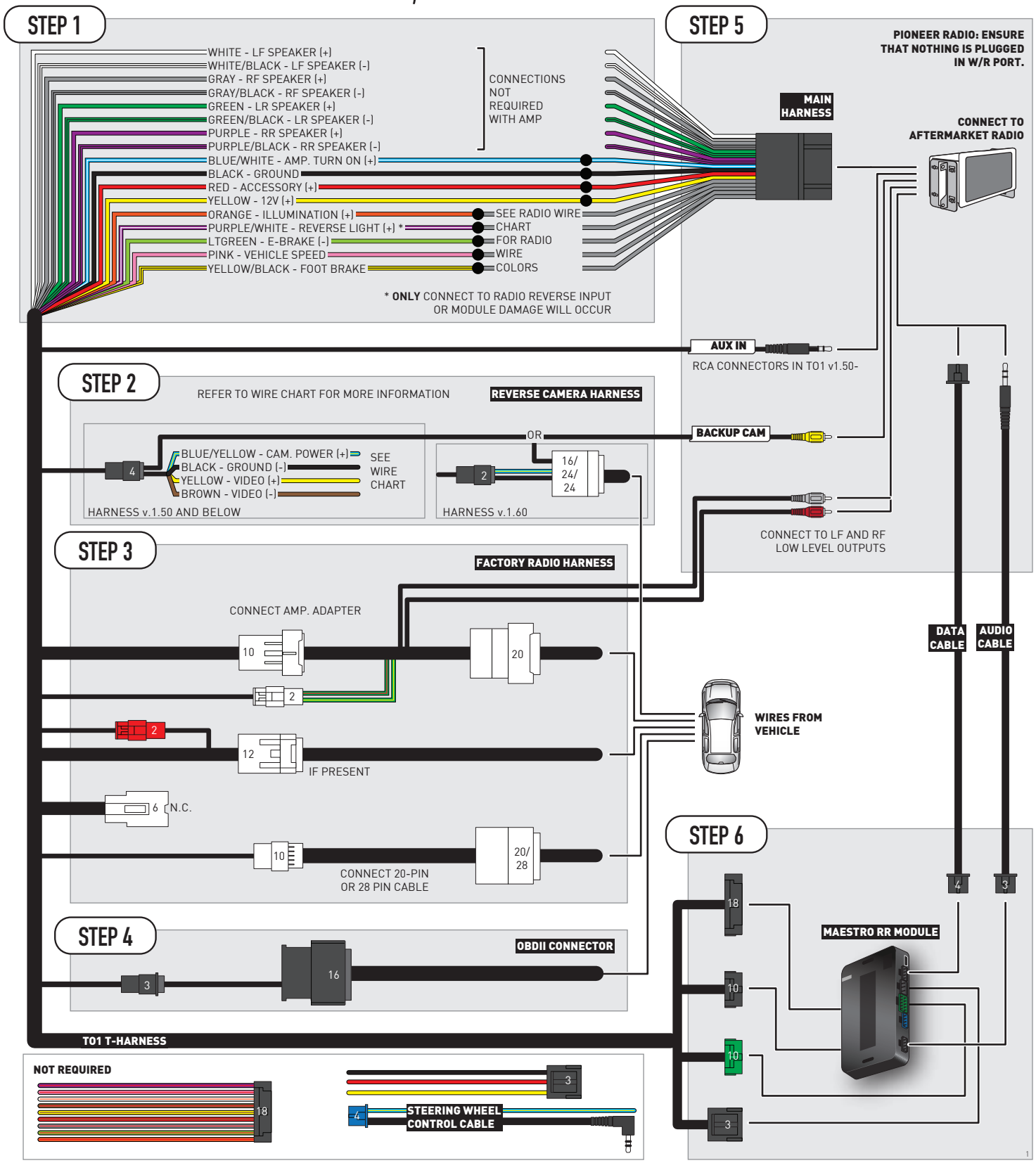
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

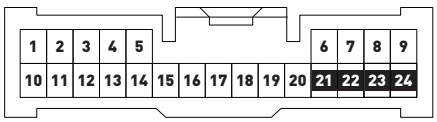
2006-2009

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

2010-2011

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2013
TOYOTA 4 RUNNER
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

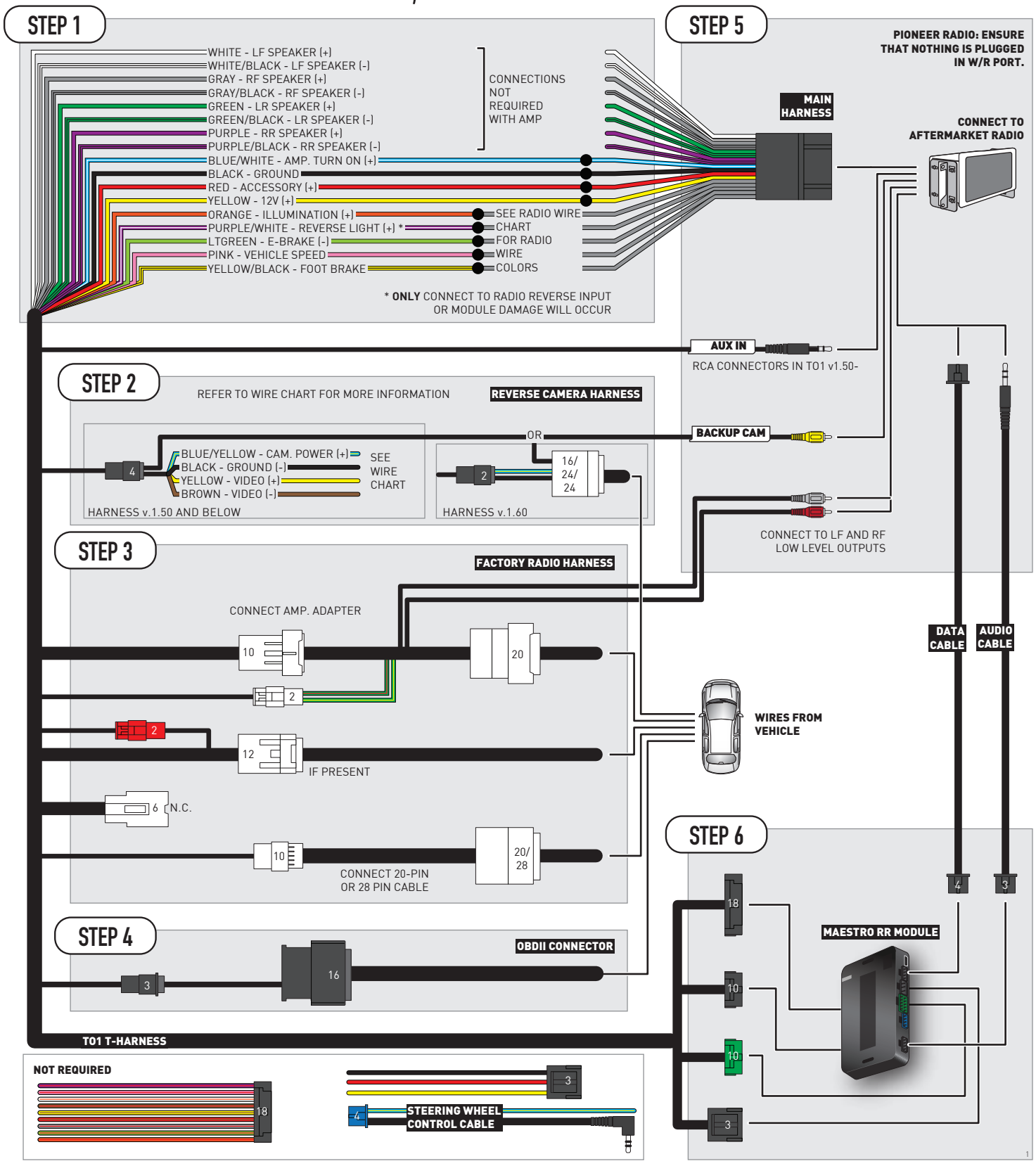
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

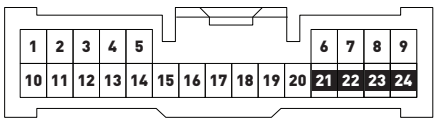
VEHICLE WIRE REFERENCE CHART

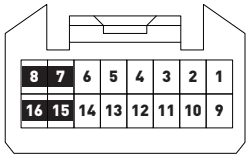
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2005-2011
TOYOTA 4 RUNNER
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

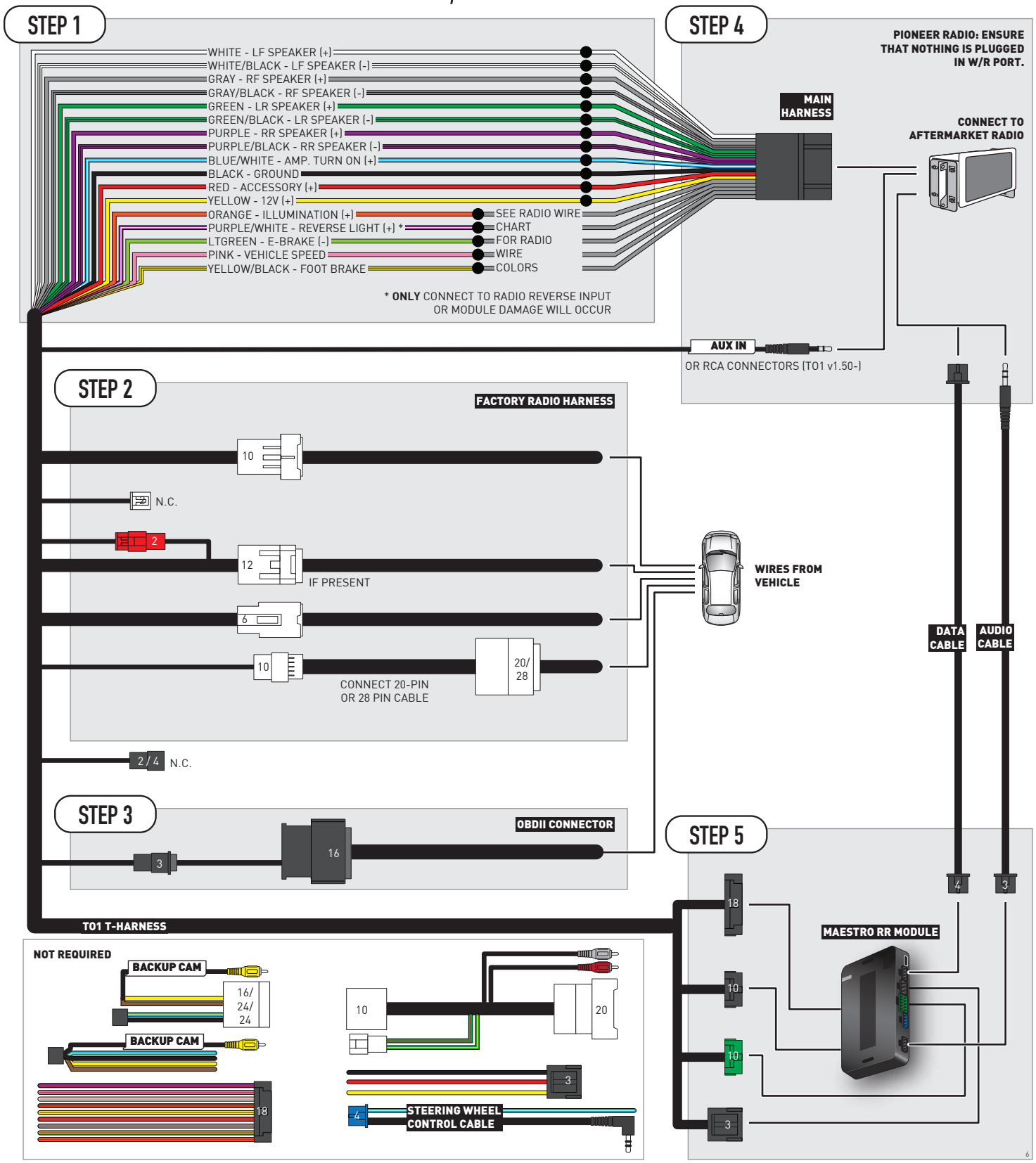
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2013
TOYOTA 4 RUNNER
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

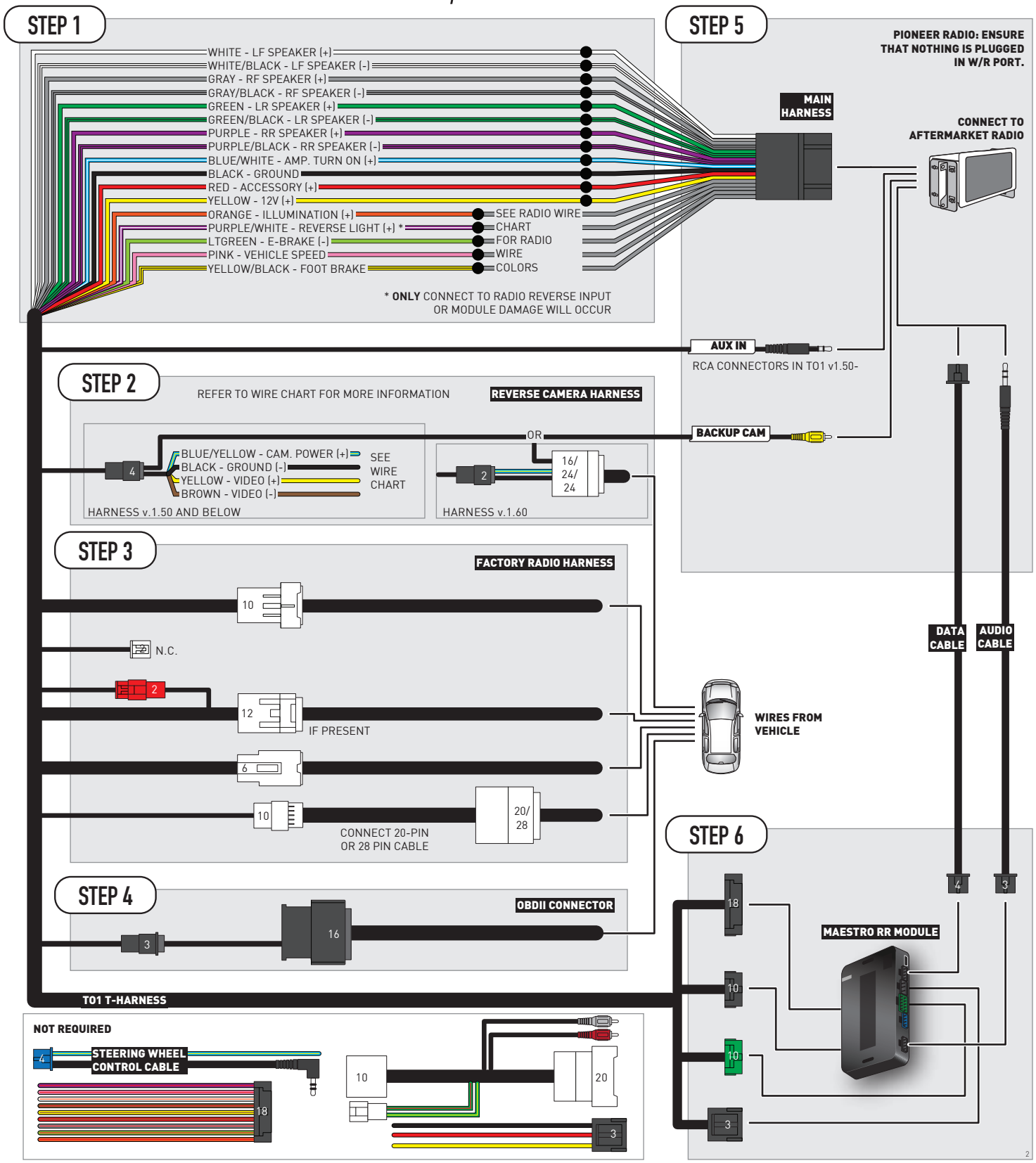
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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

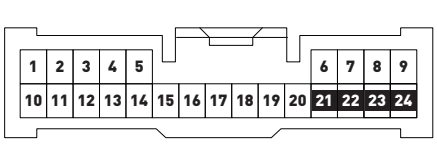
VEHICLE WIRE REFERENCE CHART

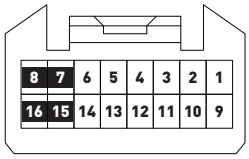
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2011-2012
TOYOTA AVALON
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

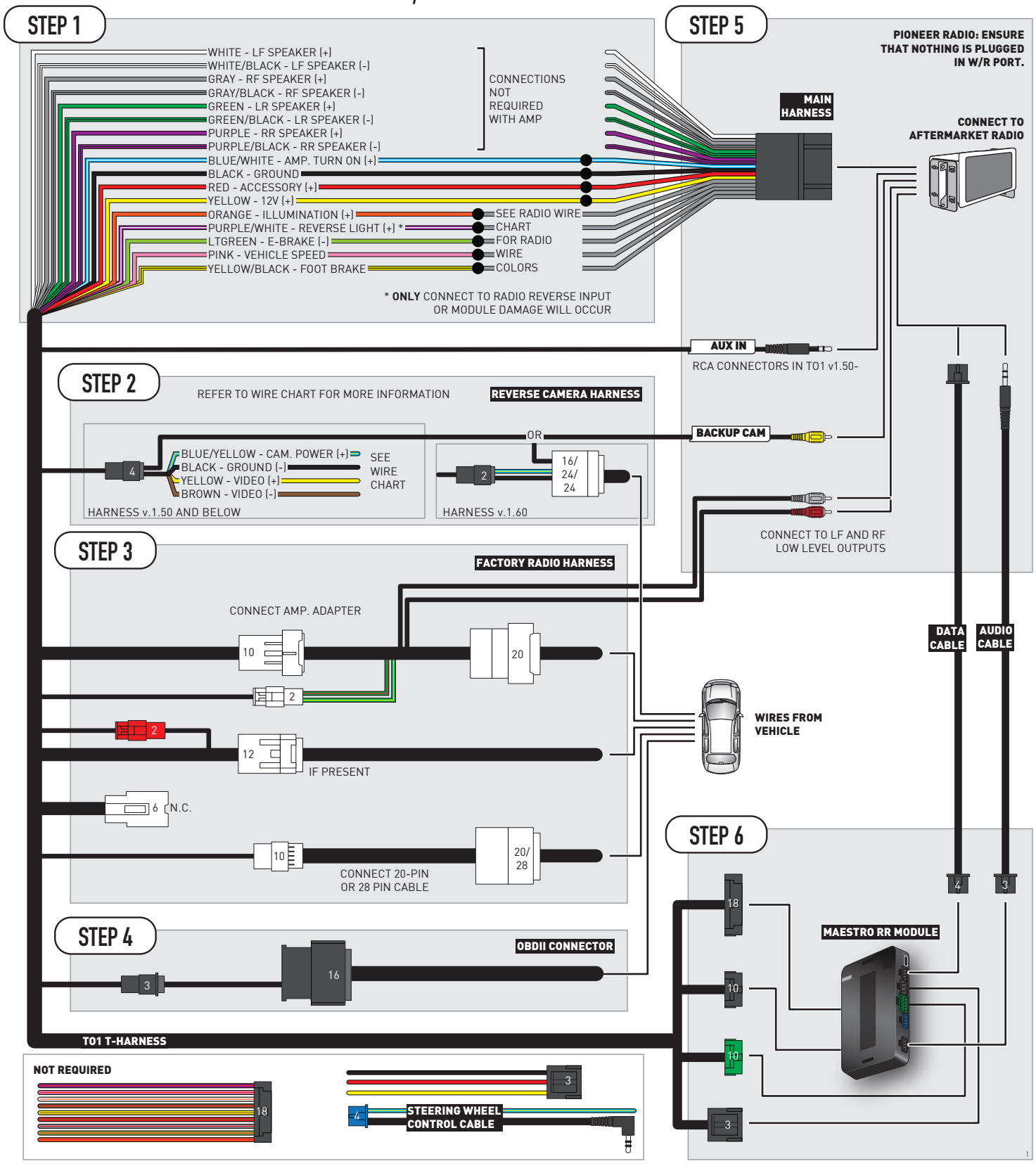
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



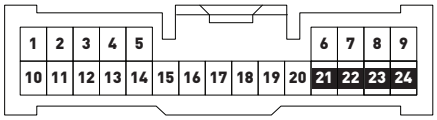
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Green	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Blue	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Pink	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013-2014
TOYOTA AVALON
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

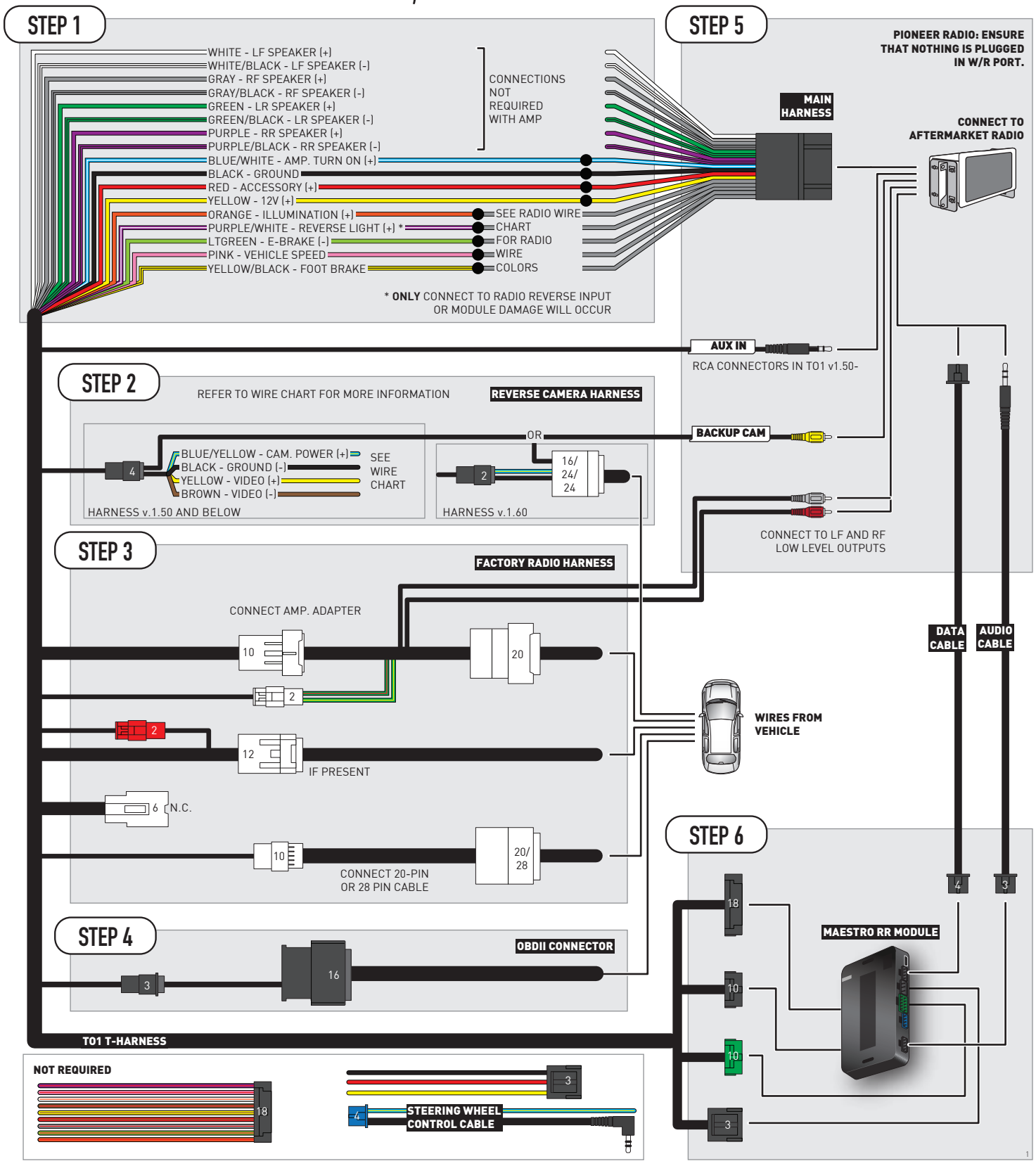
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



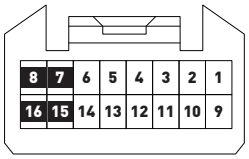
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2011-2012
TOYOTA AVALON
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

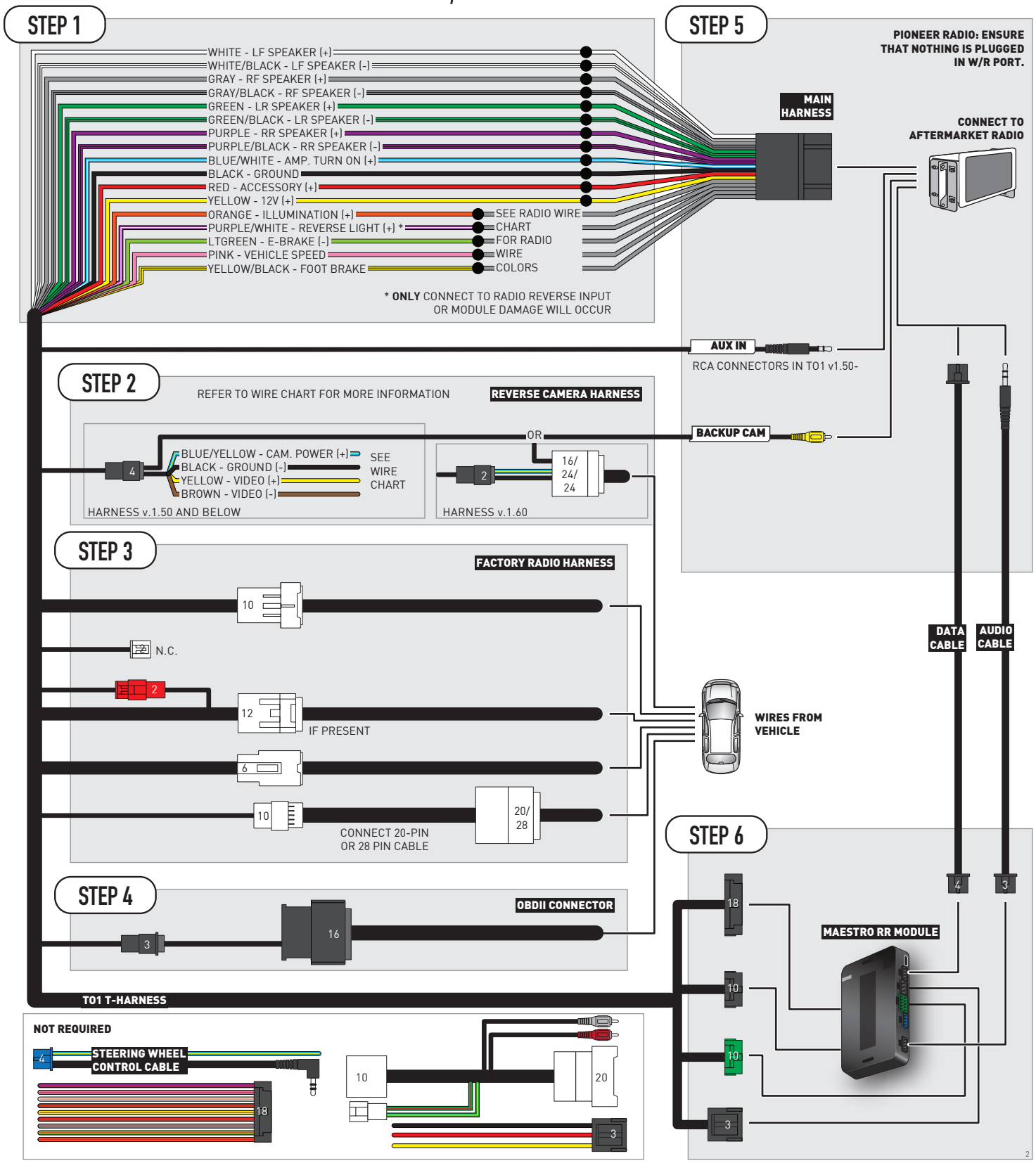
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



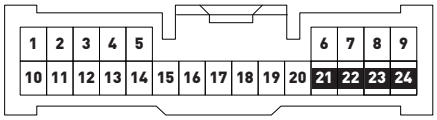
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Green	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Blue	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Pink	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013-2014
TOYOTA AVALON
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

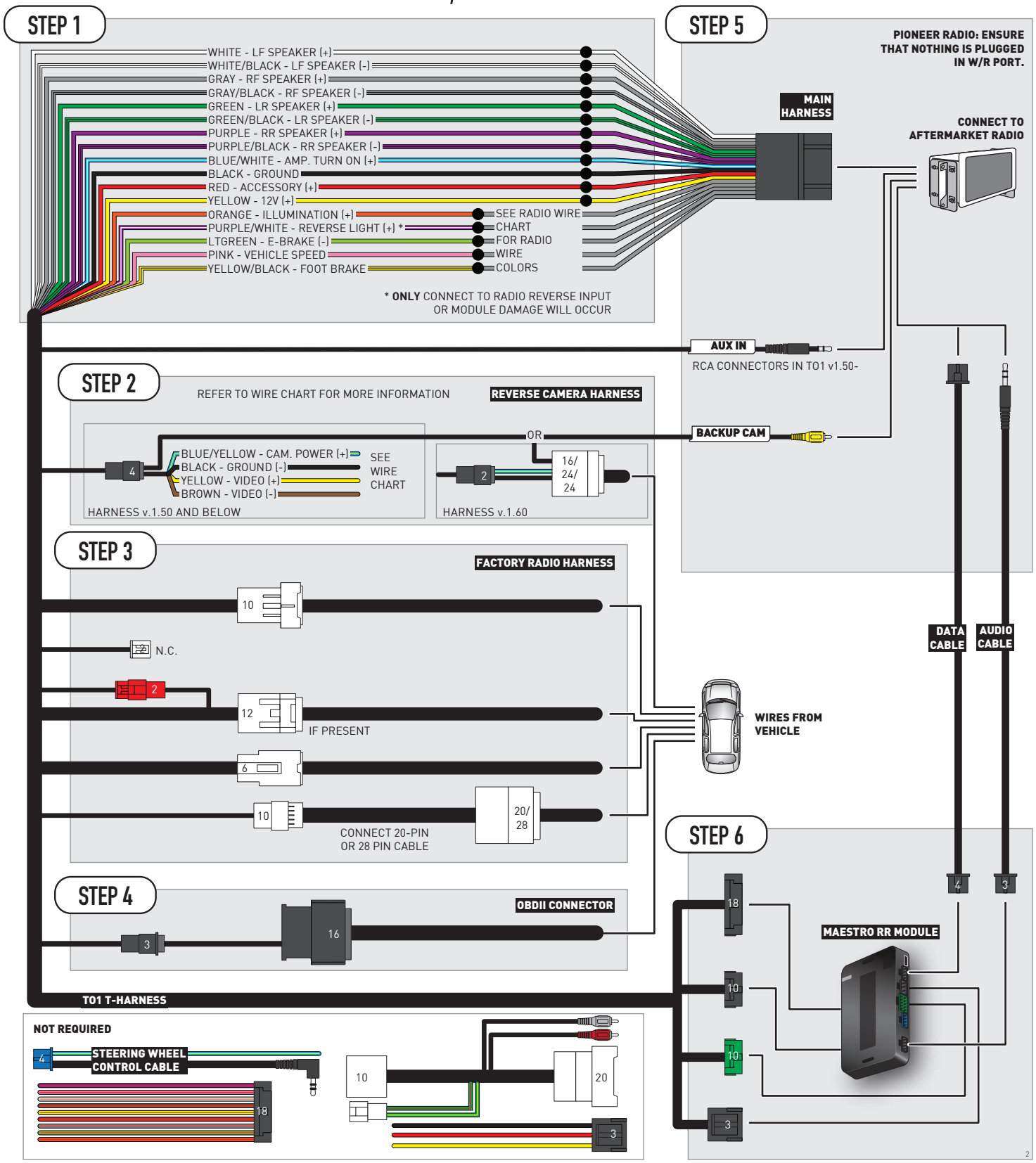
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



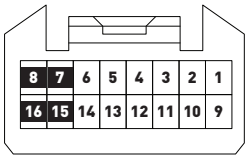
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2018
TOYOTA C-HR

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

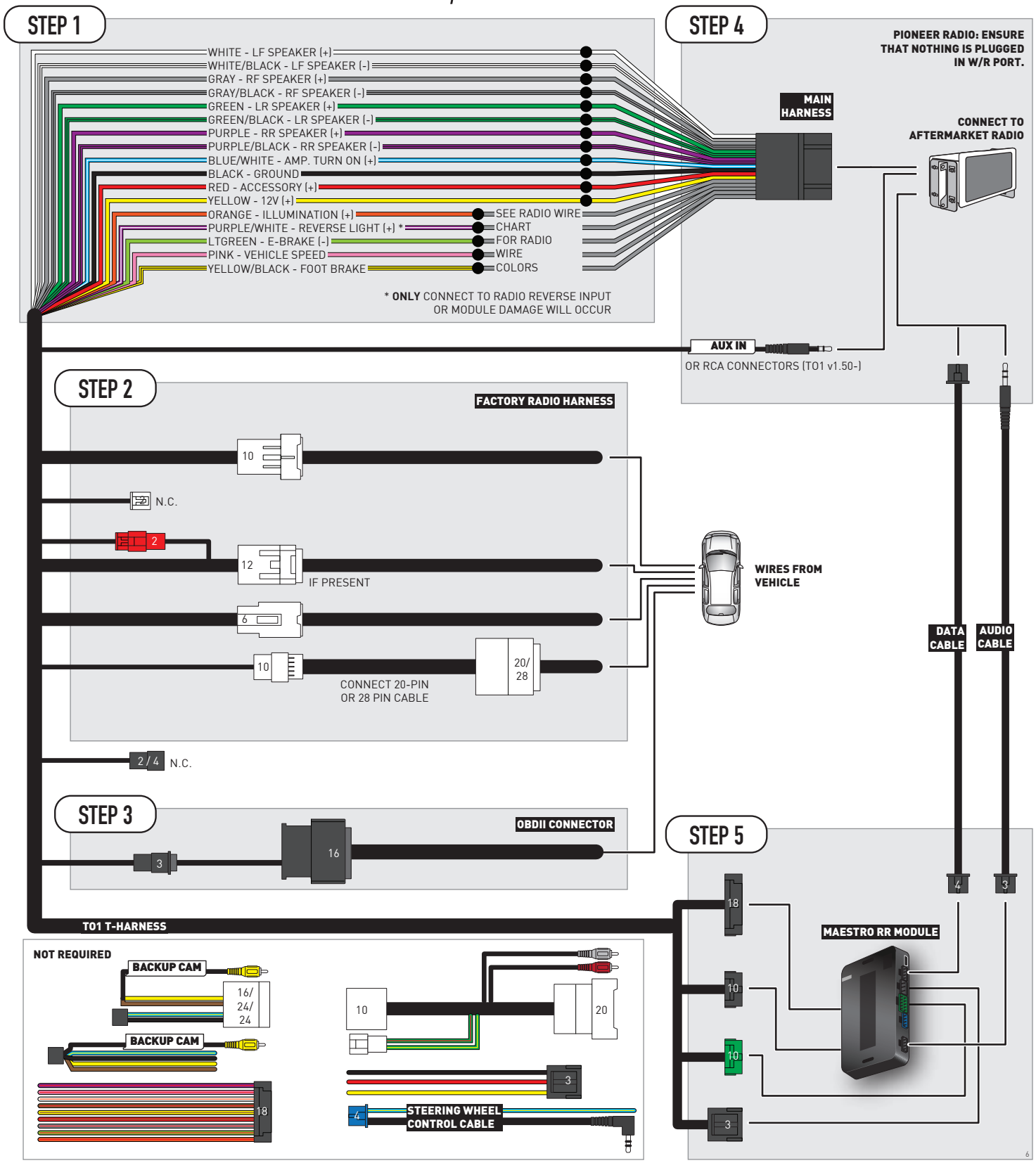
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2011
TOYOTA CAMRY
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

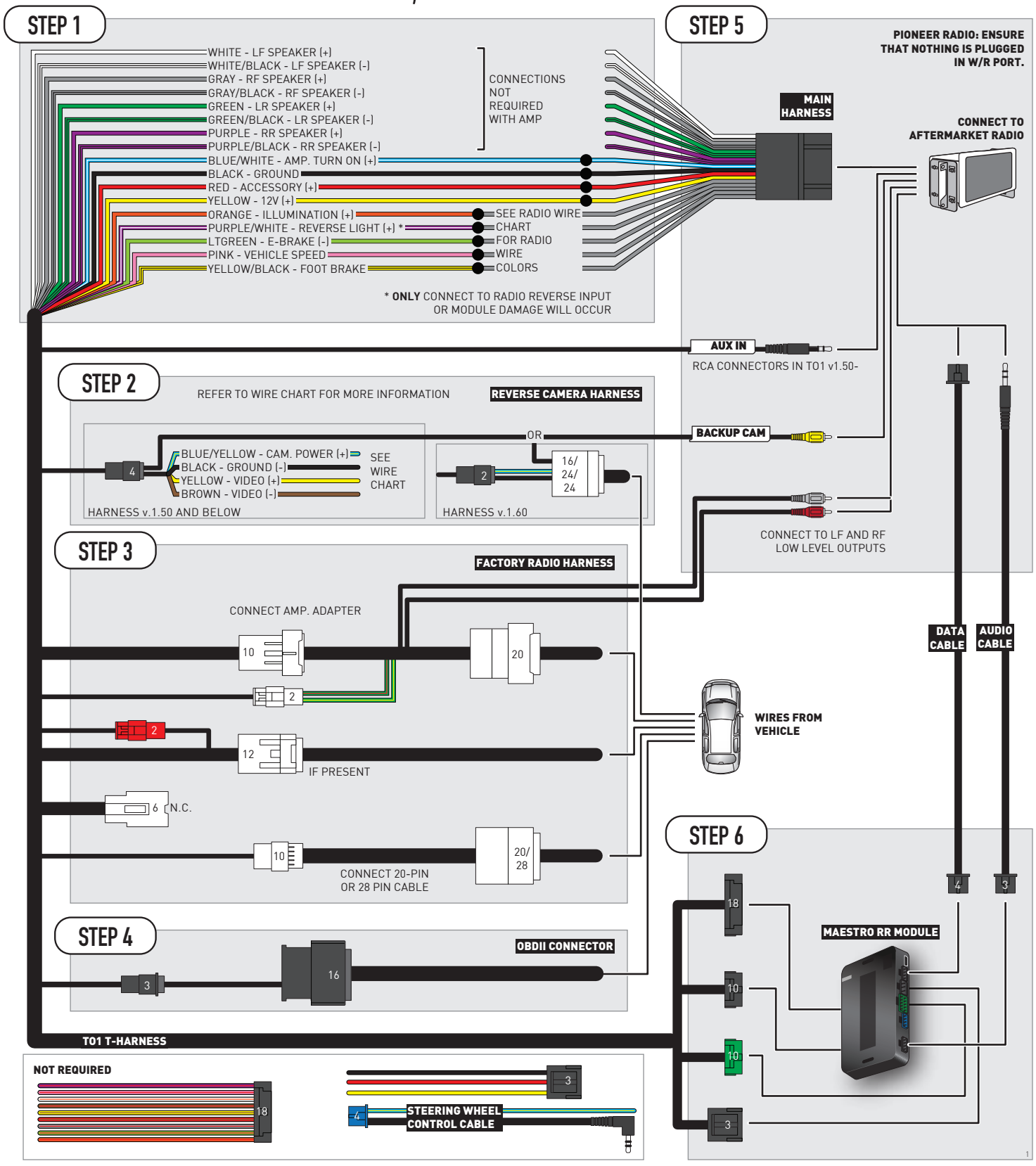
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



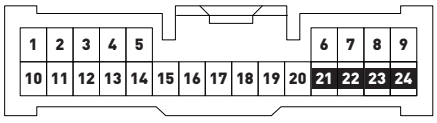
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2014
TOYOTA CAMRY
WITHOUT FACTORY SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

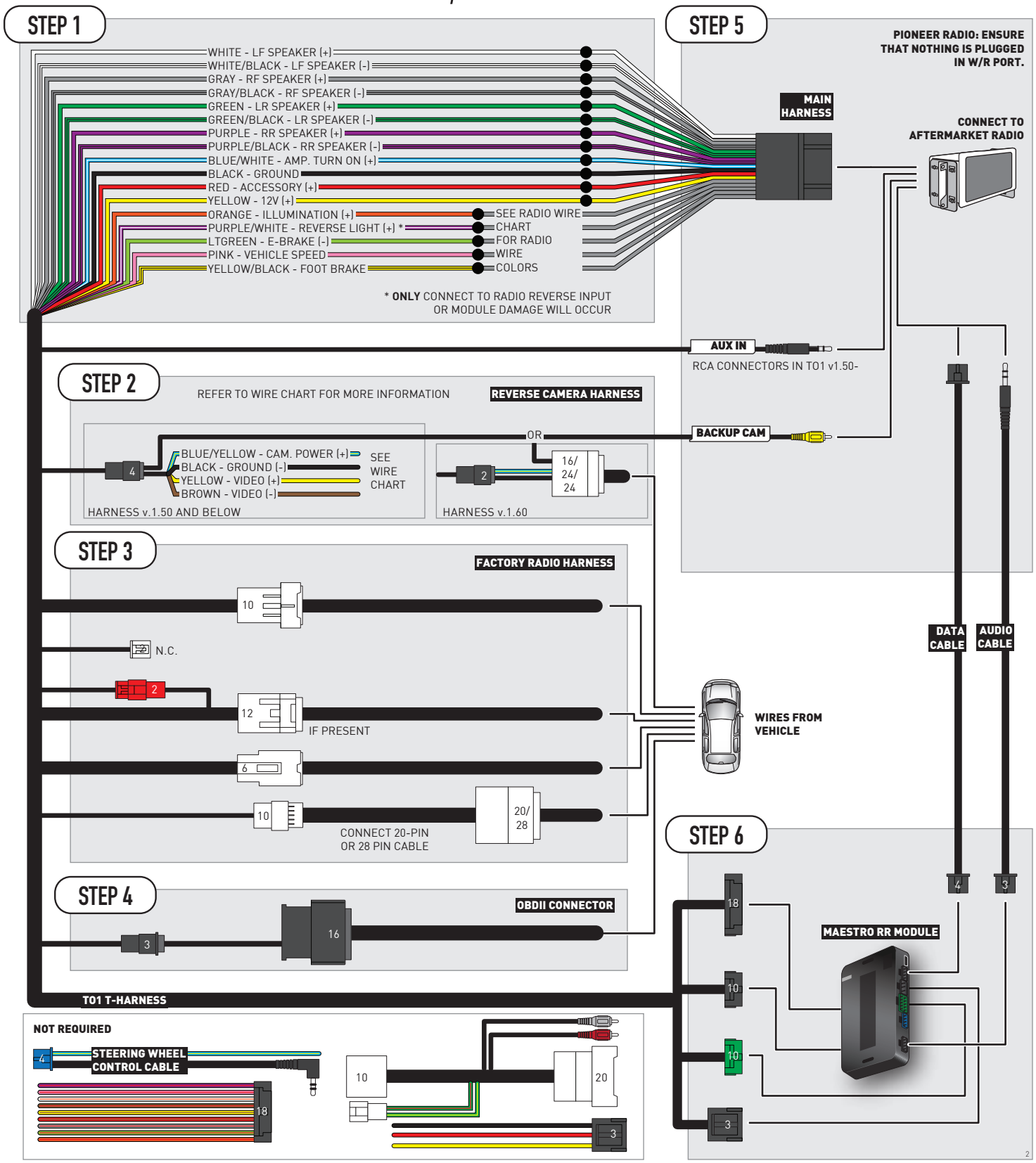
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



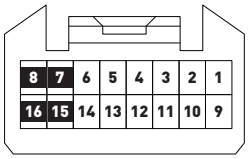
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2011
TOYOTA CAMRY
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

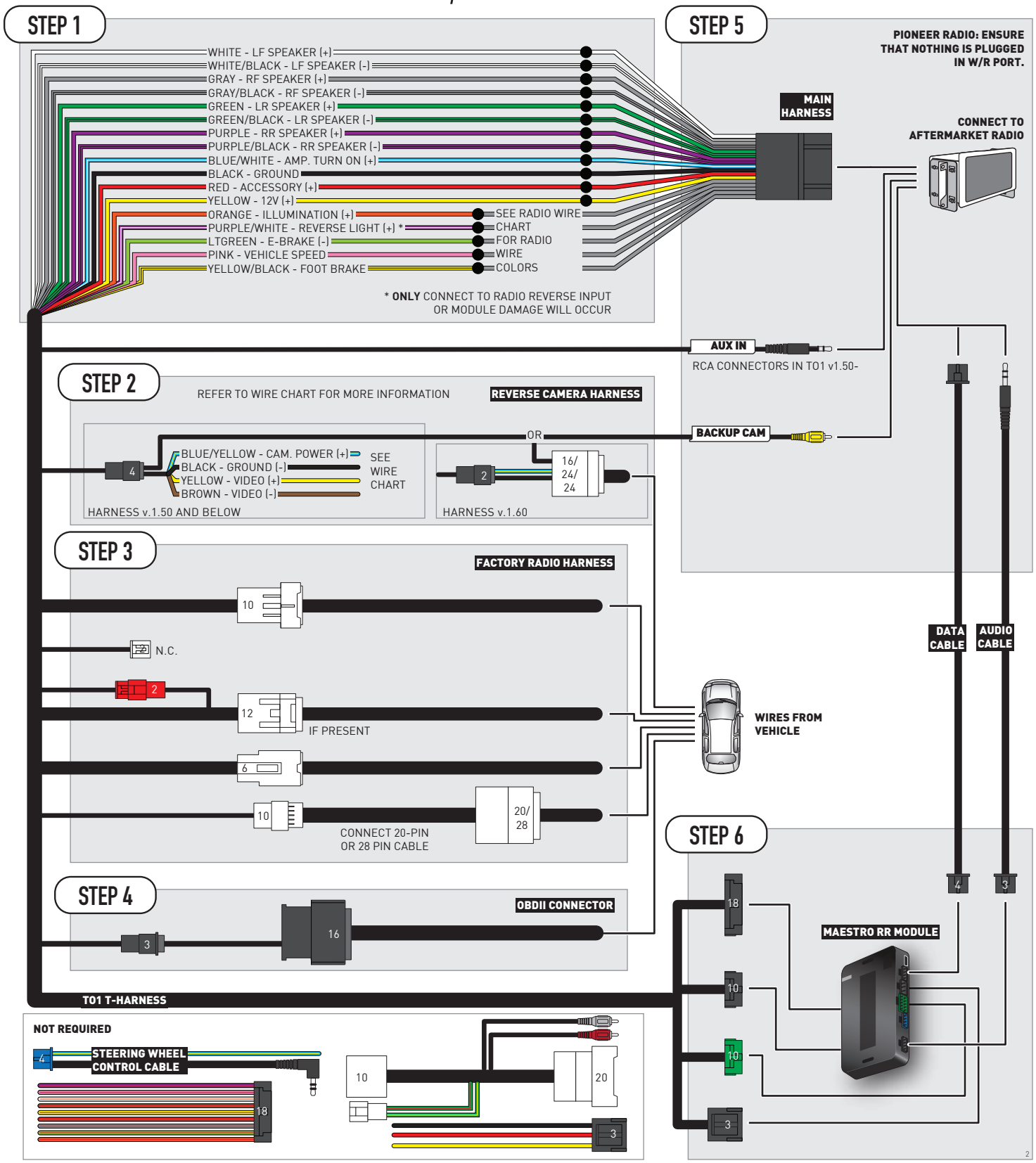
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



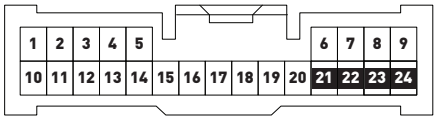
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2013
TOYOTA COROLLA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

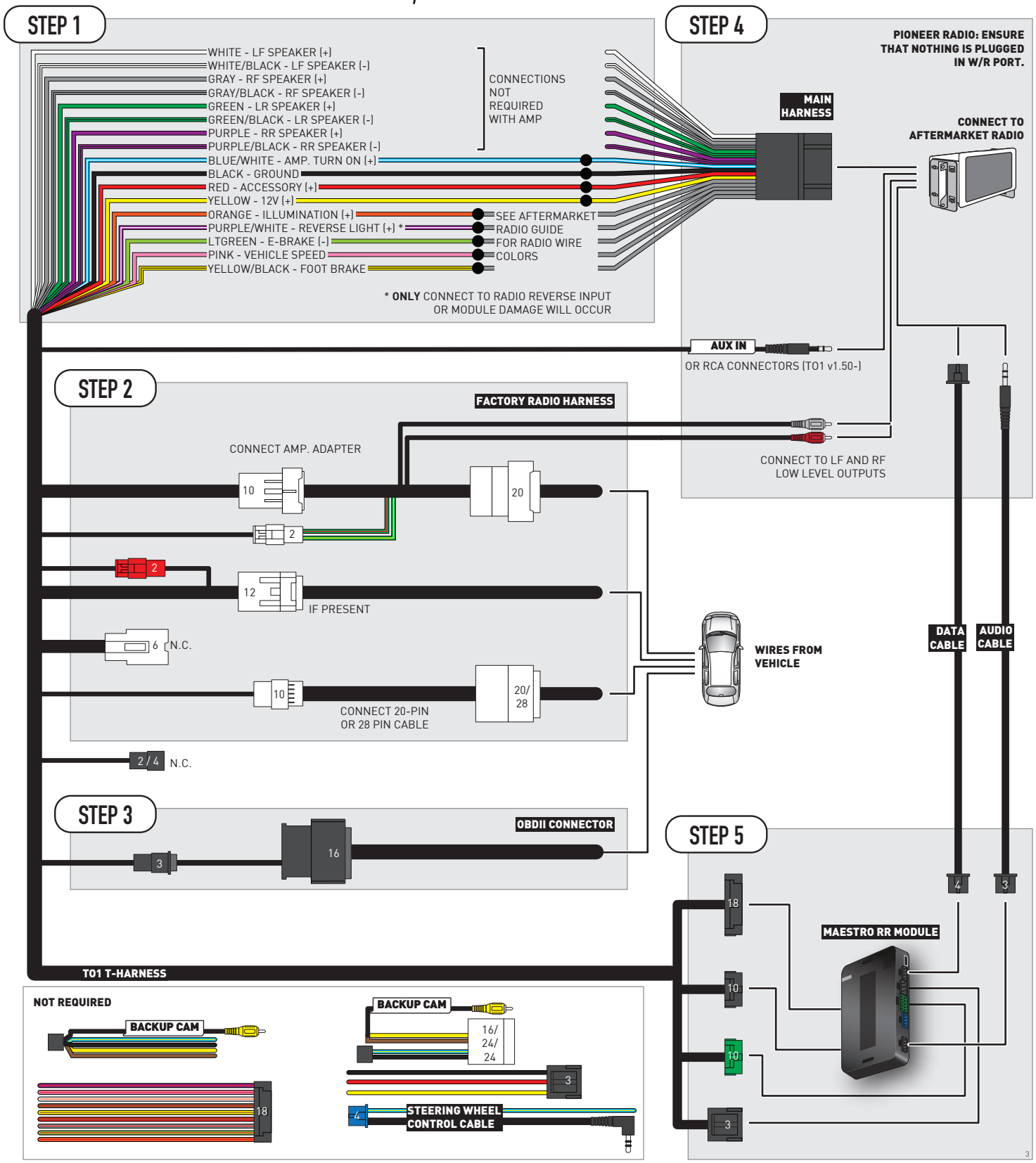
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2014-2015
TOYOTA COROLLA
WITHOUT FACTORY SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

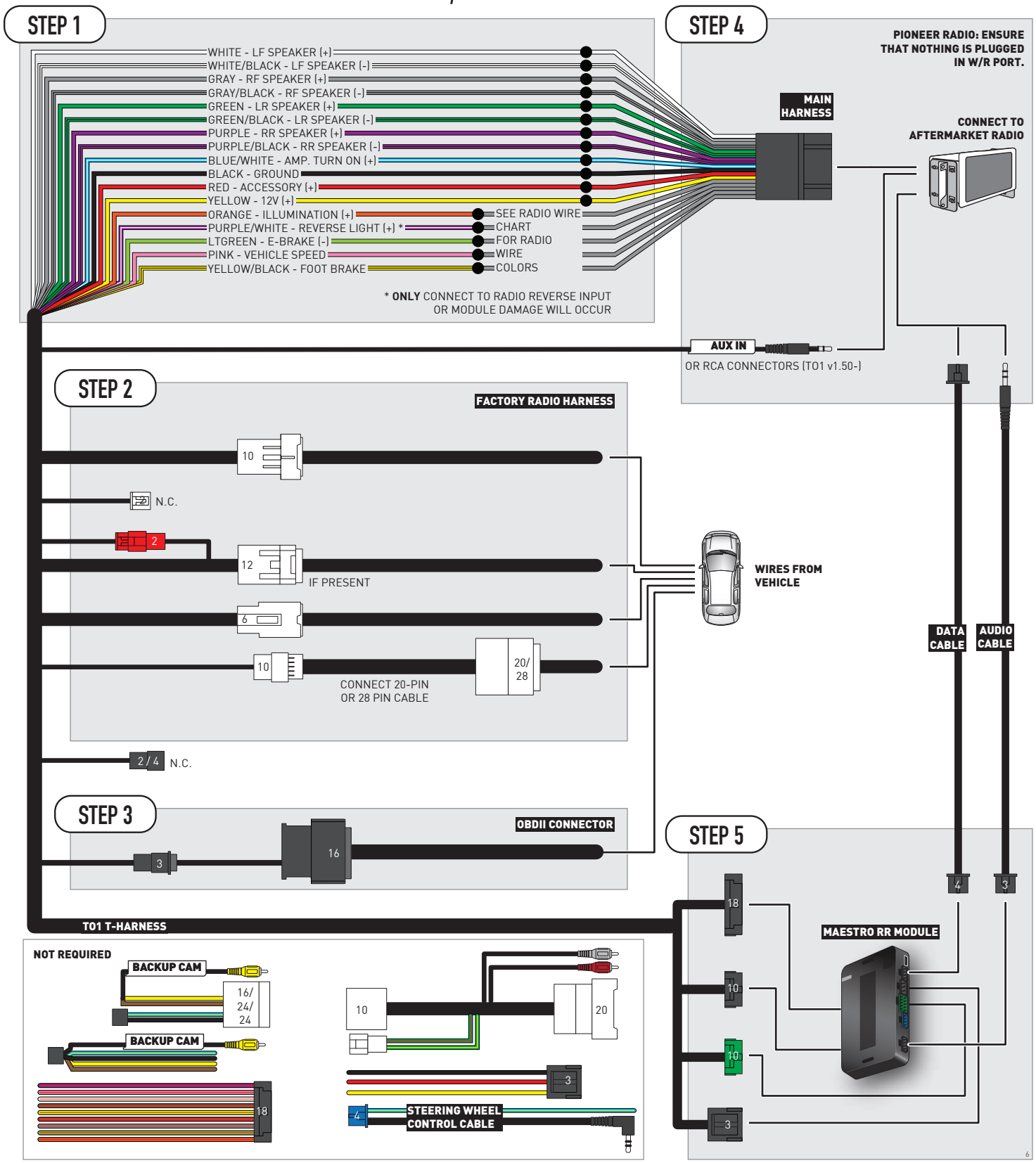
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2013
TOYOTA COROLLA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

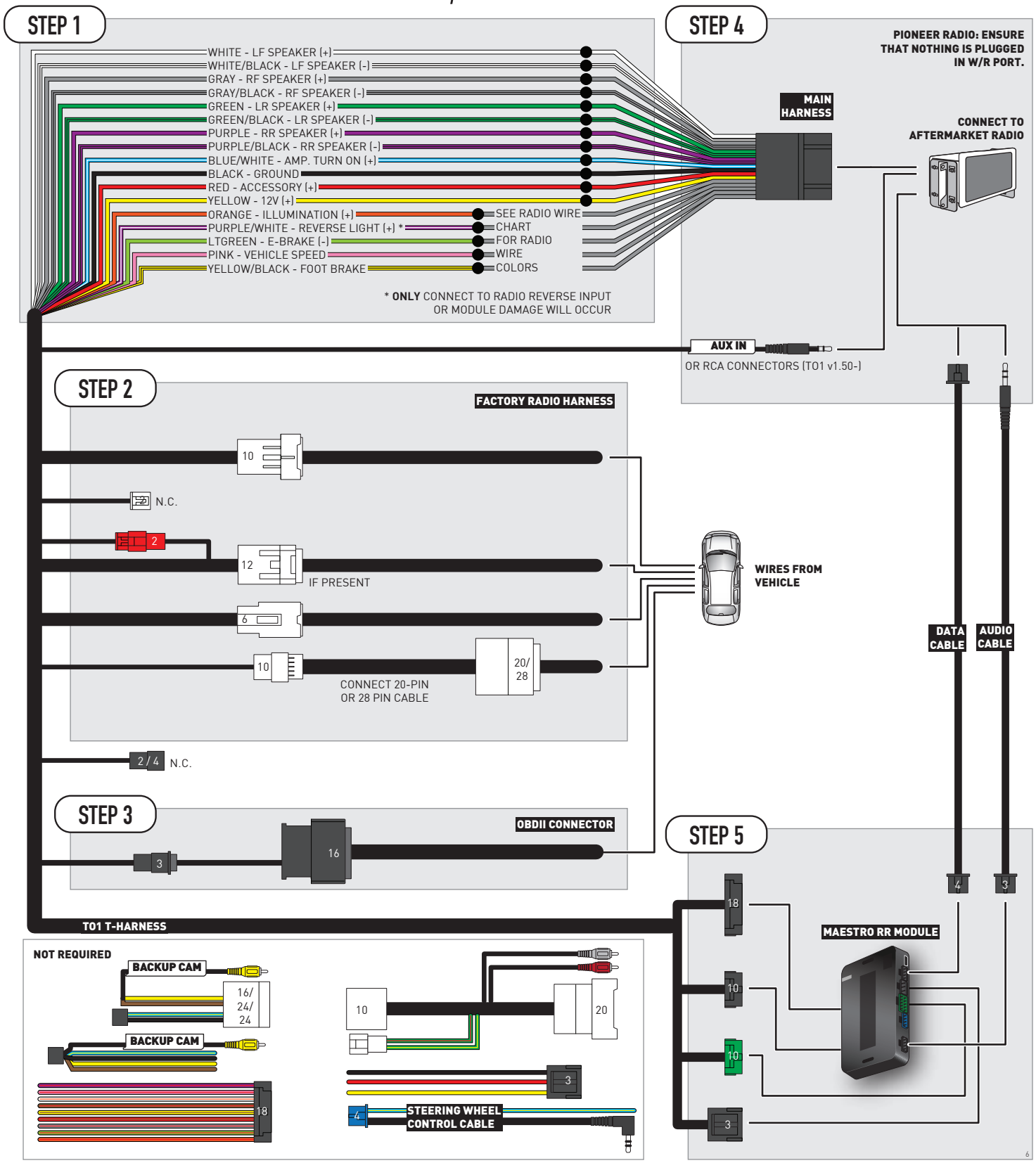
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2017-2018
TOYOTA COROLLA IM

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

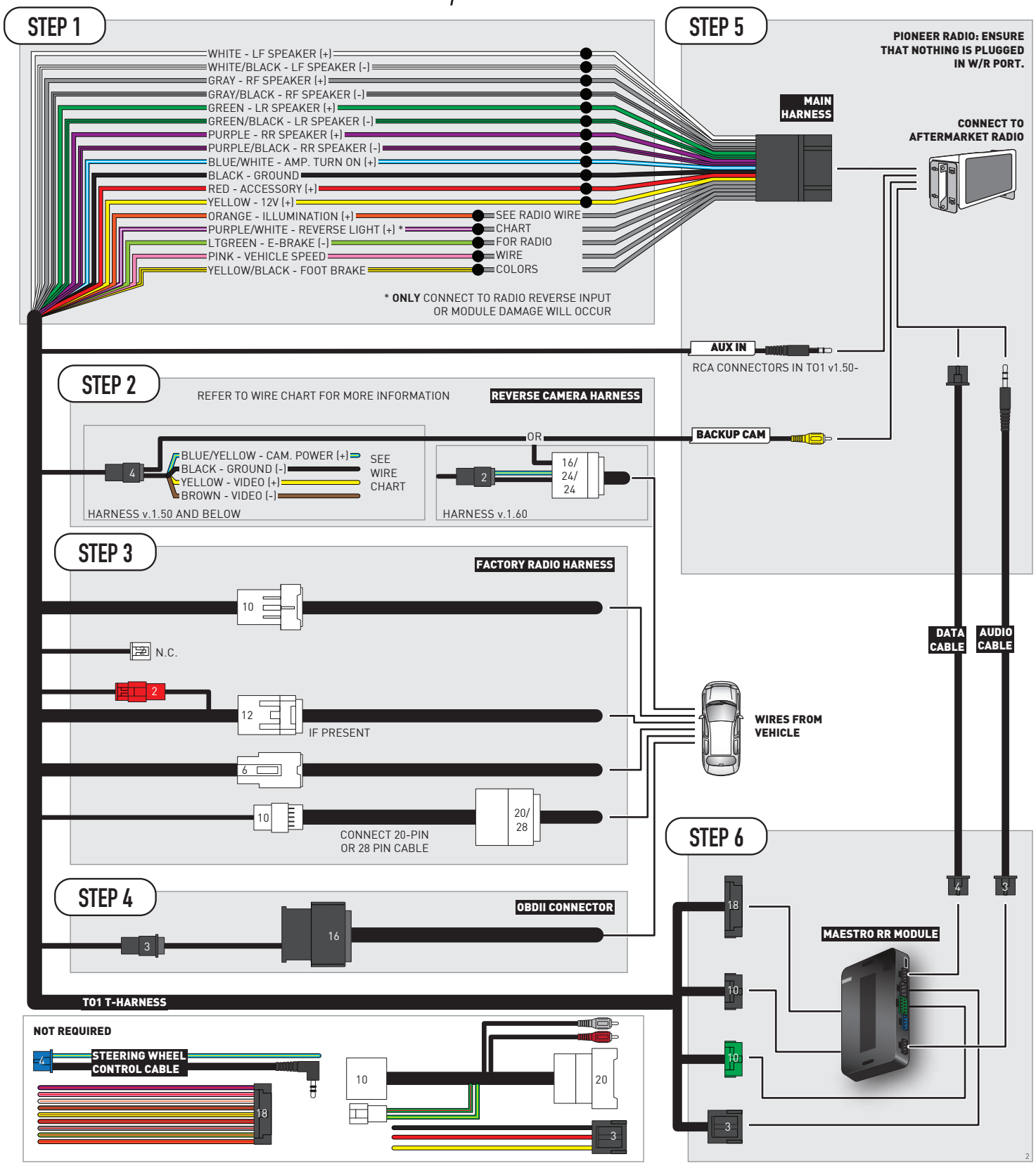
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



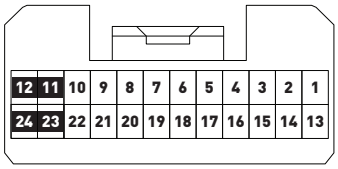
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2006-2014
TOYOTA FJ CRUISER
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

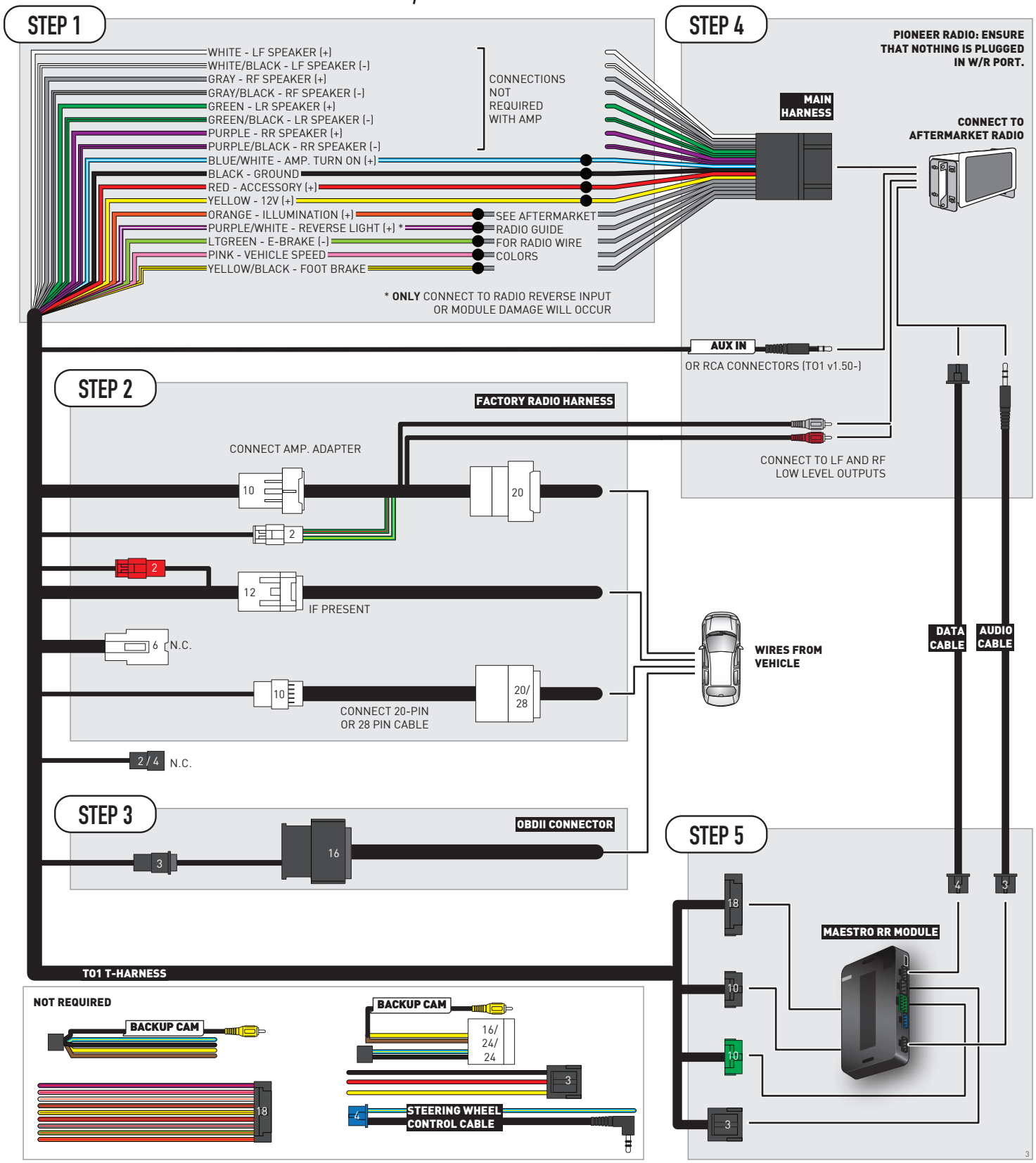
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2006-2014
TOYOTA FJ CRUISER
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

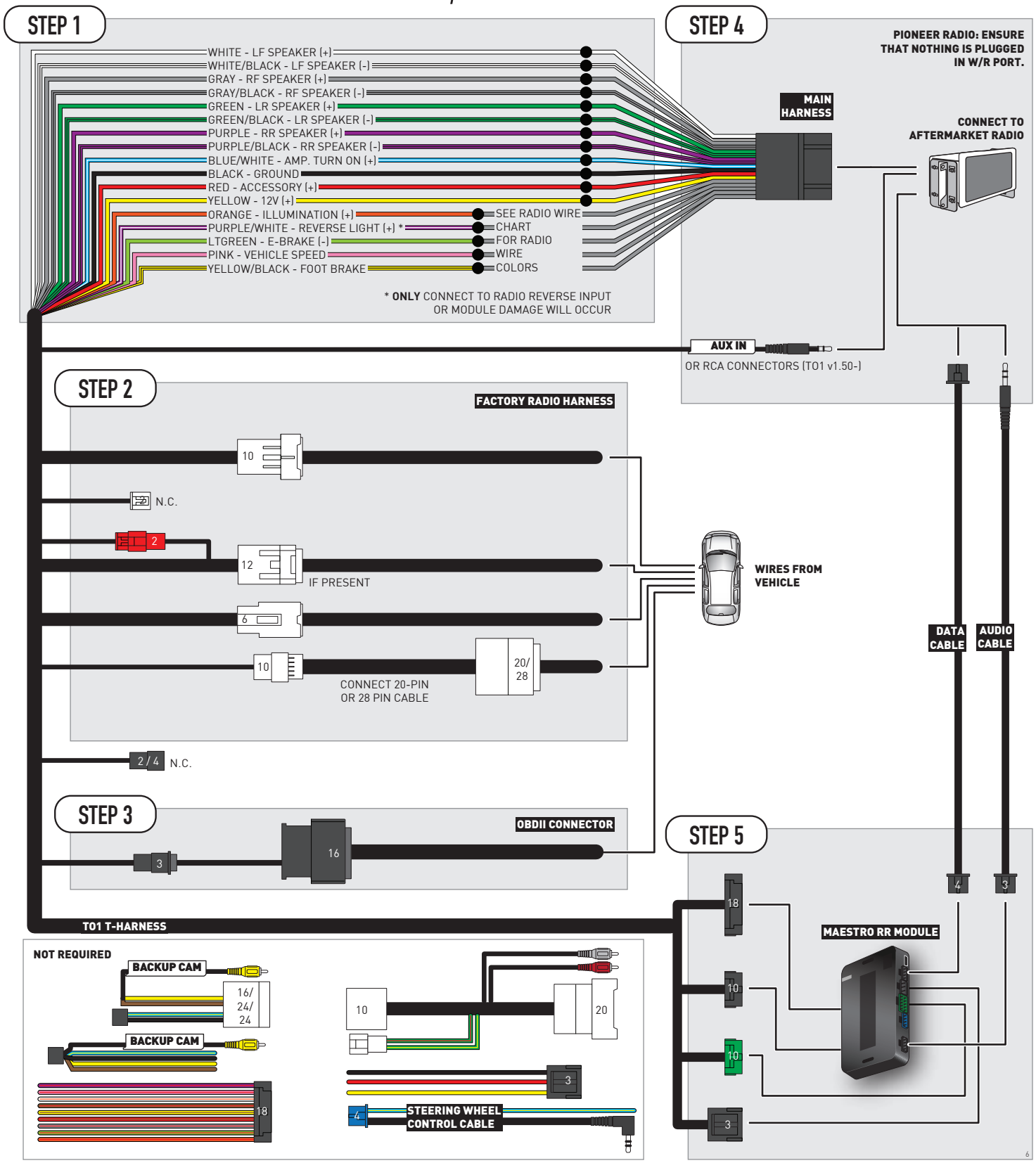
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2012
TOYOTA HIGHLANDER
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

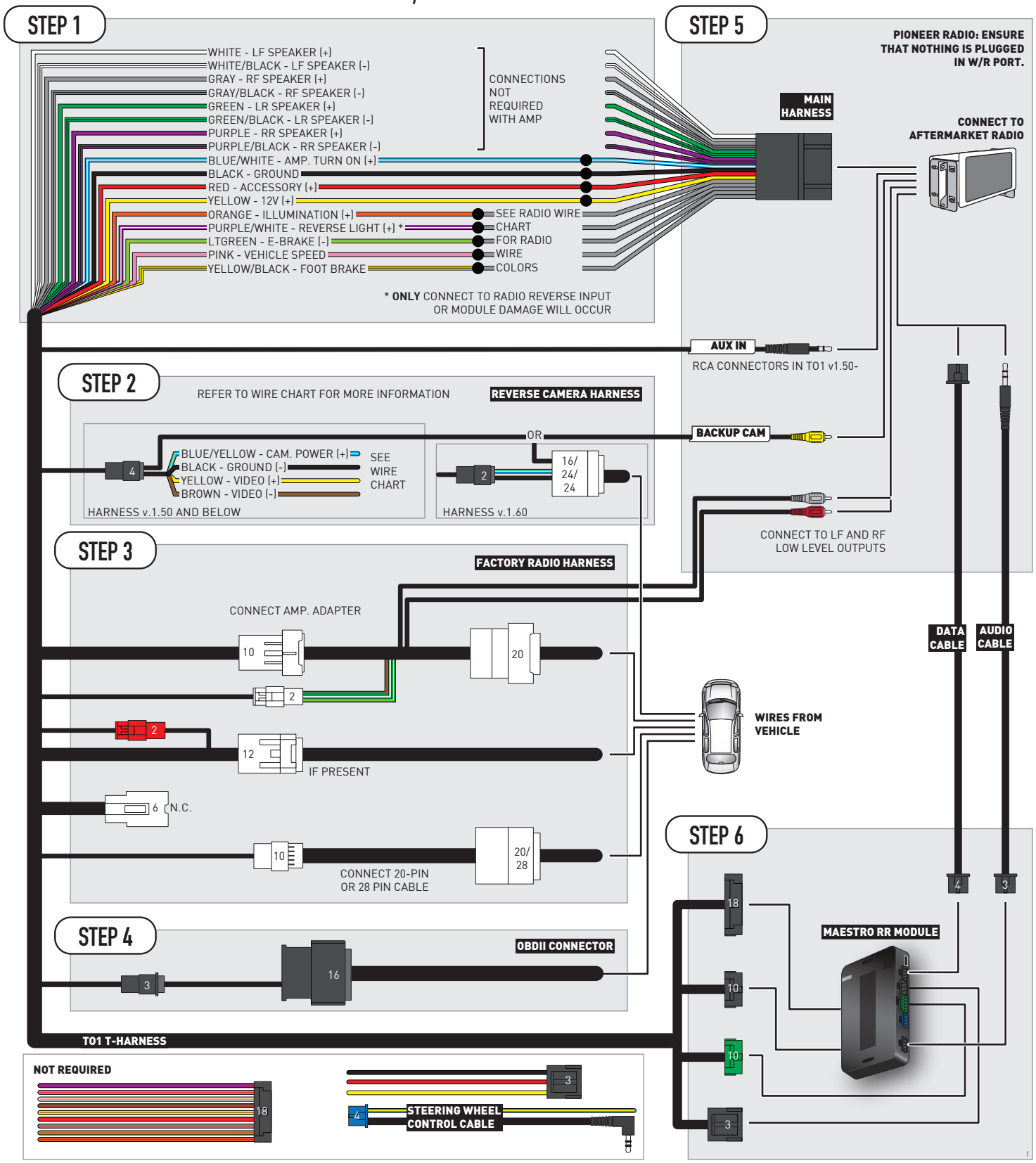
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

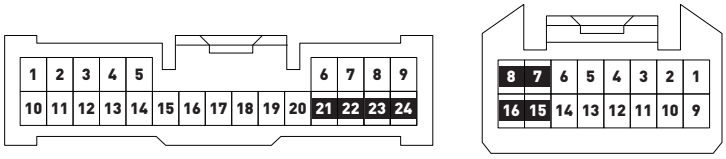
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013
TOYOTA HIGHLANDER
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

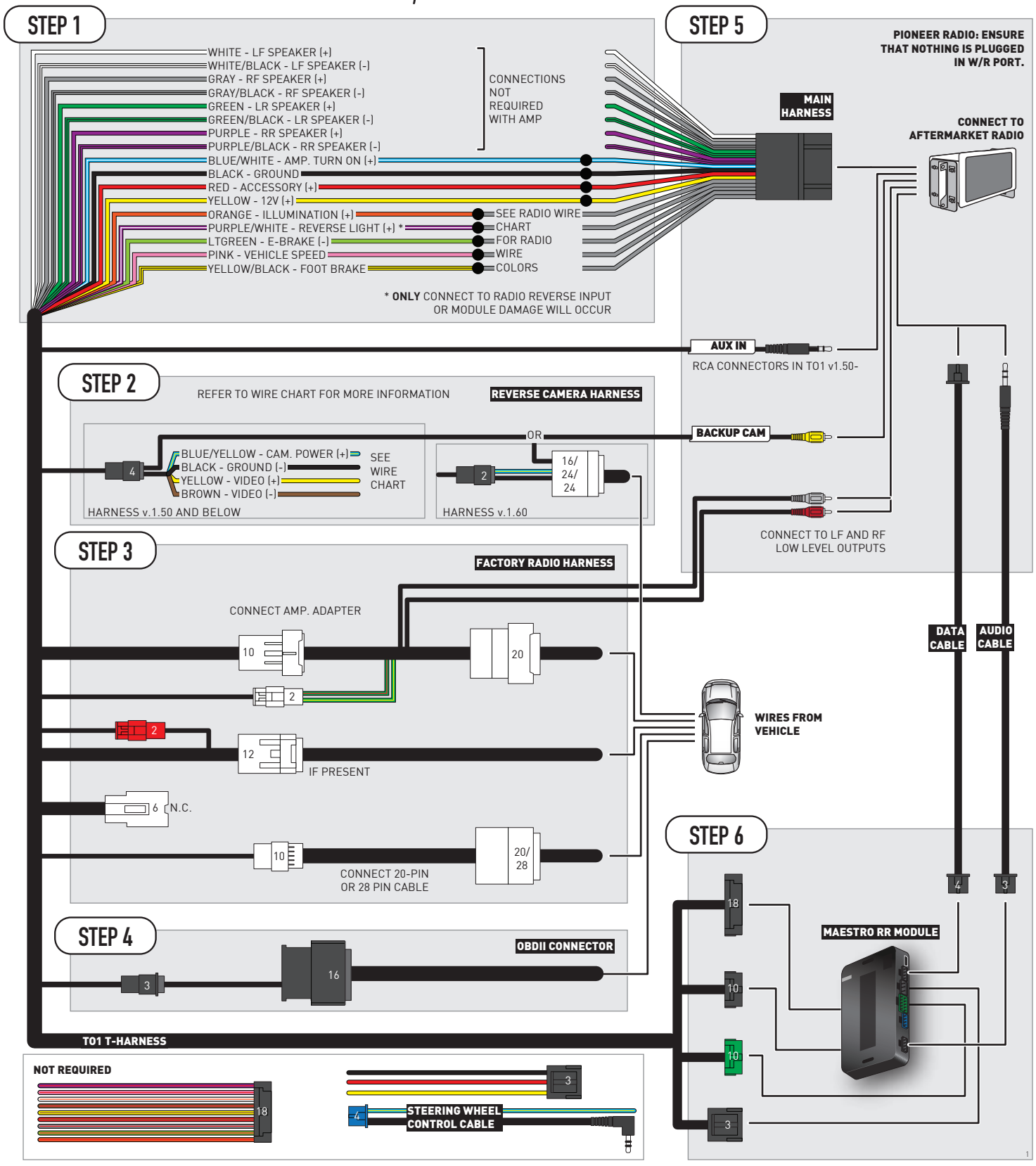
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

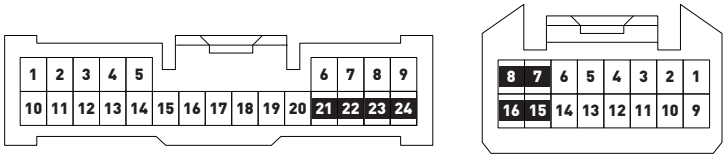
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2012
TOYOTA HIGHLANDER
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

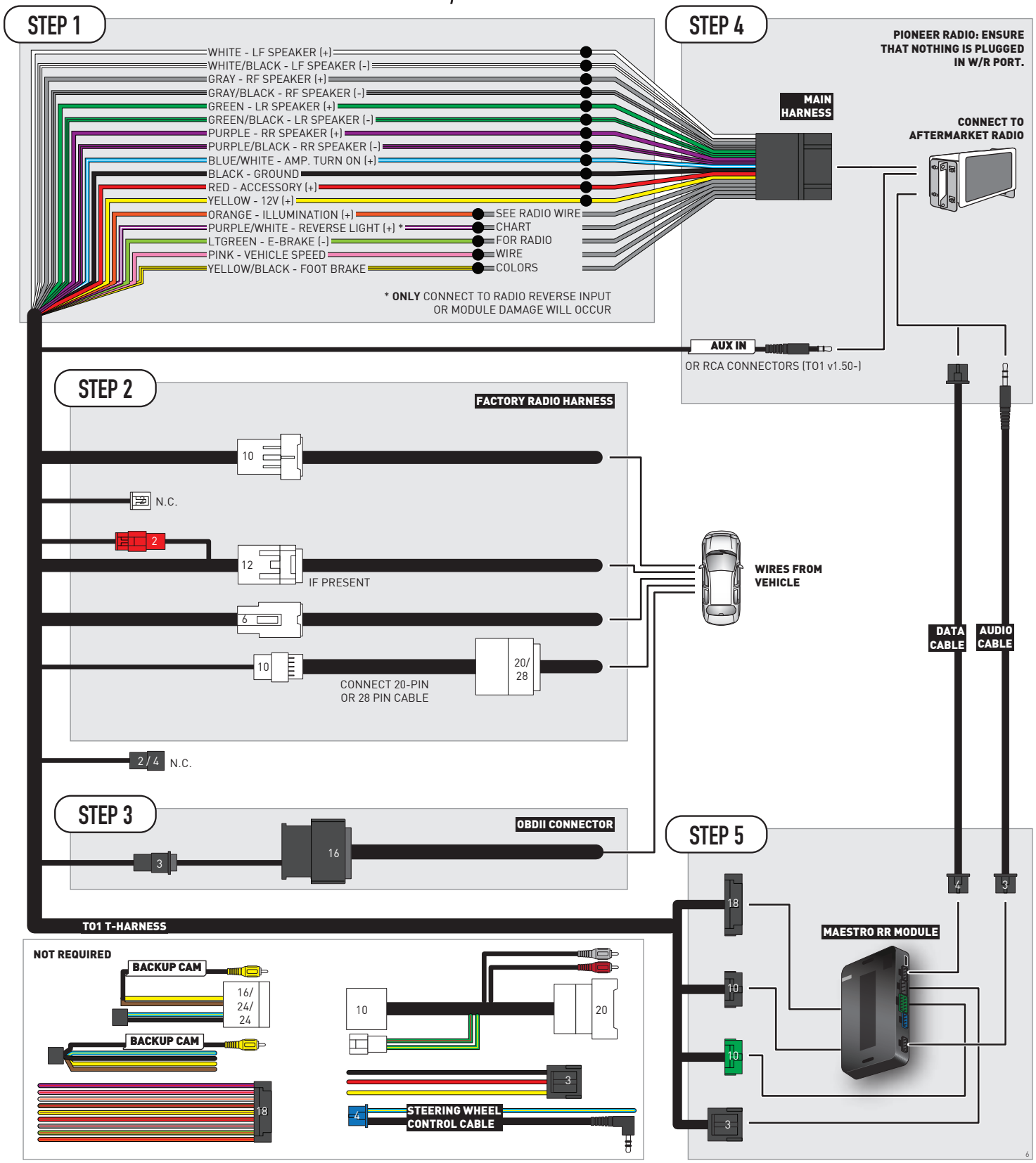
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013
TOYOTA HIGHLANDER
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

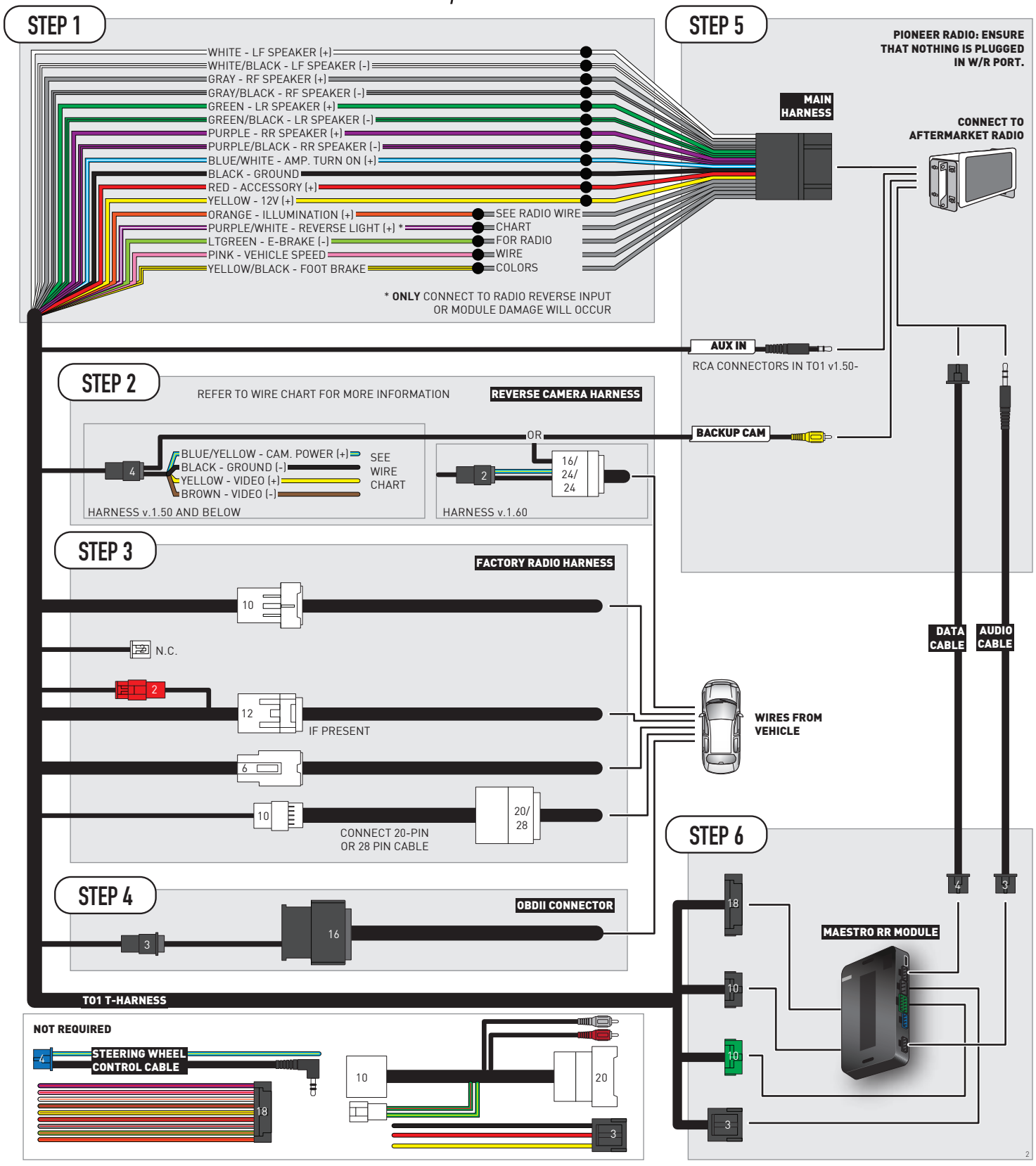
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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

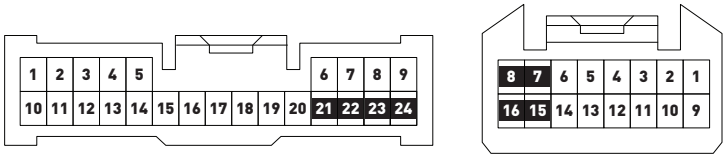
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013-2014
TOYOTA MATRIX

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

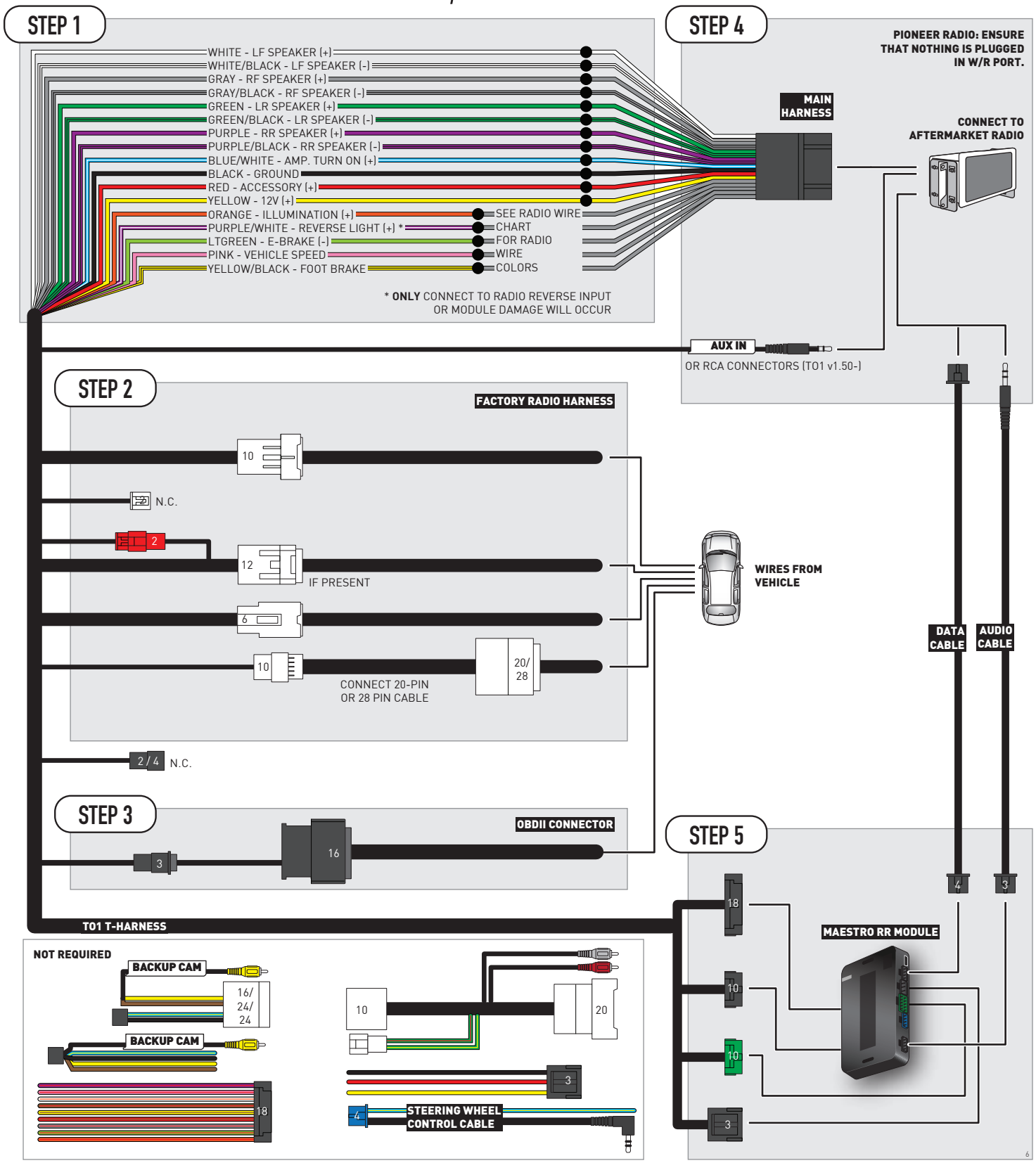
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2012
TOYOTA MATRIX
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

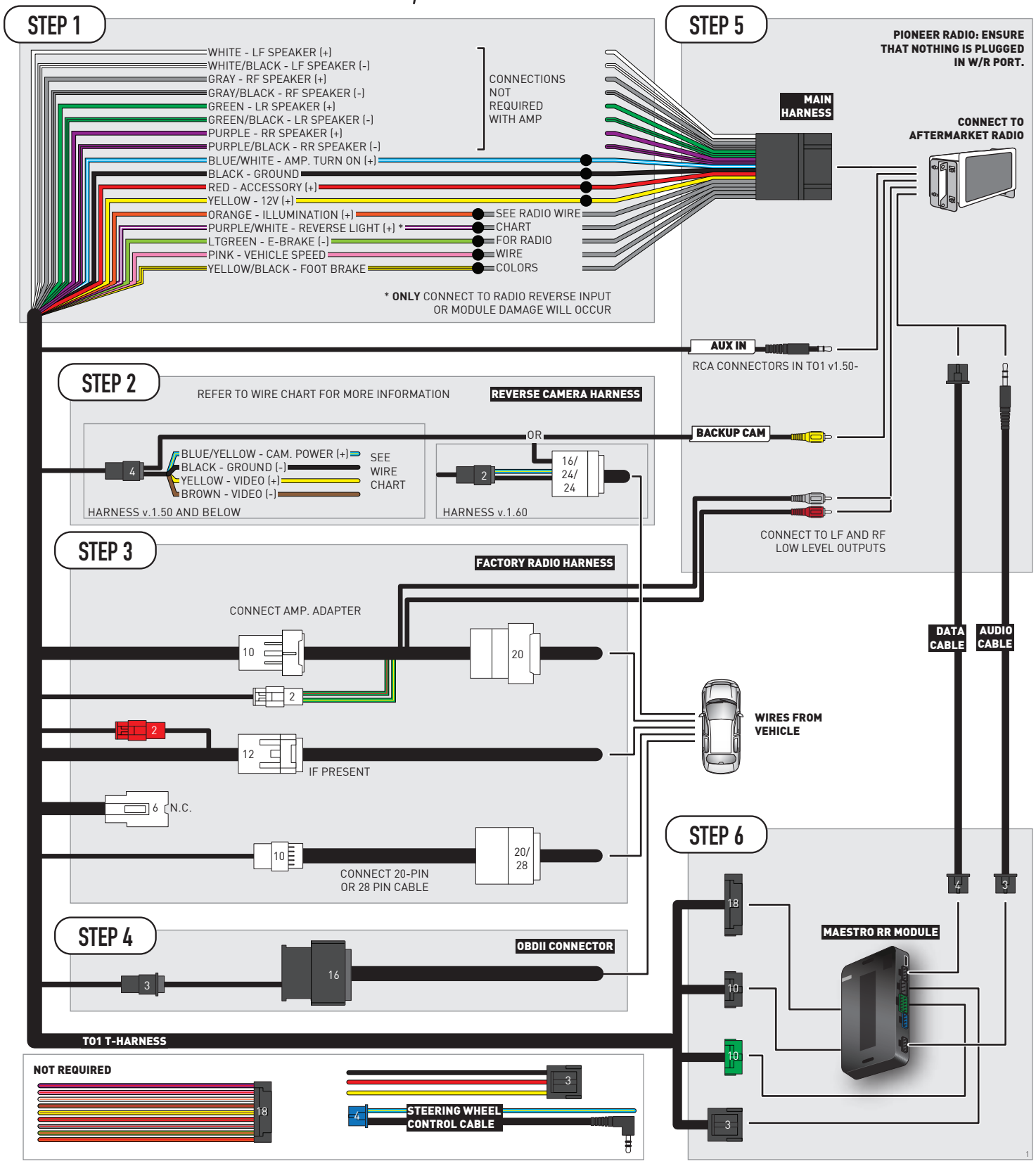
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



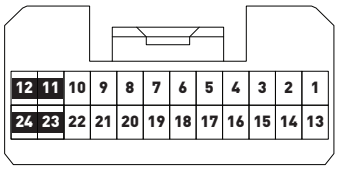
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2012
TOYOTA MATRIX
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

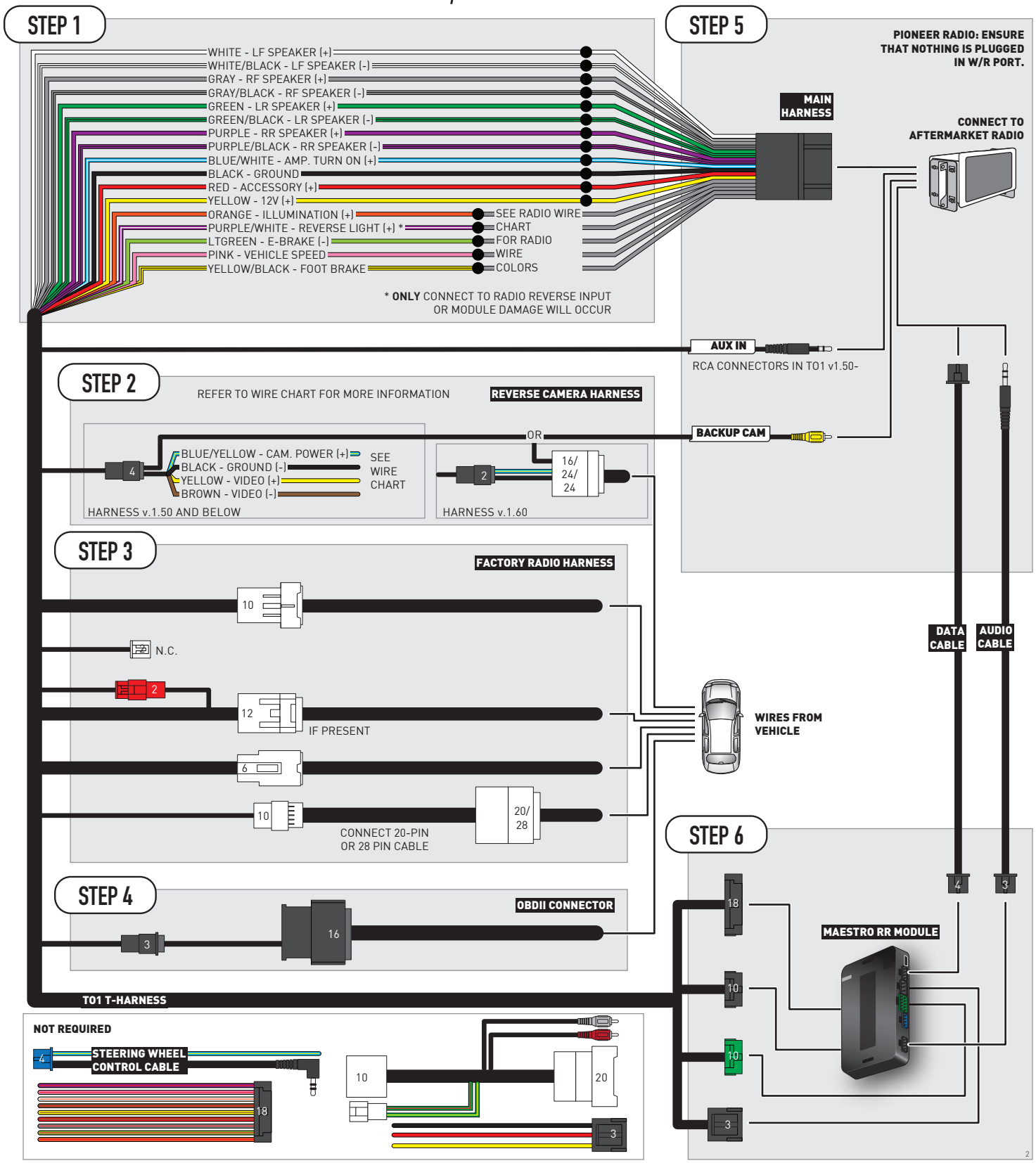
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



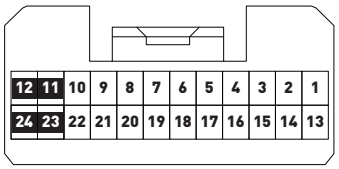
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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

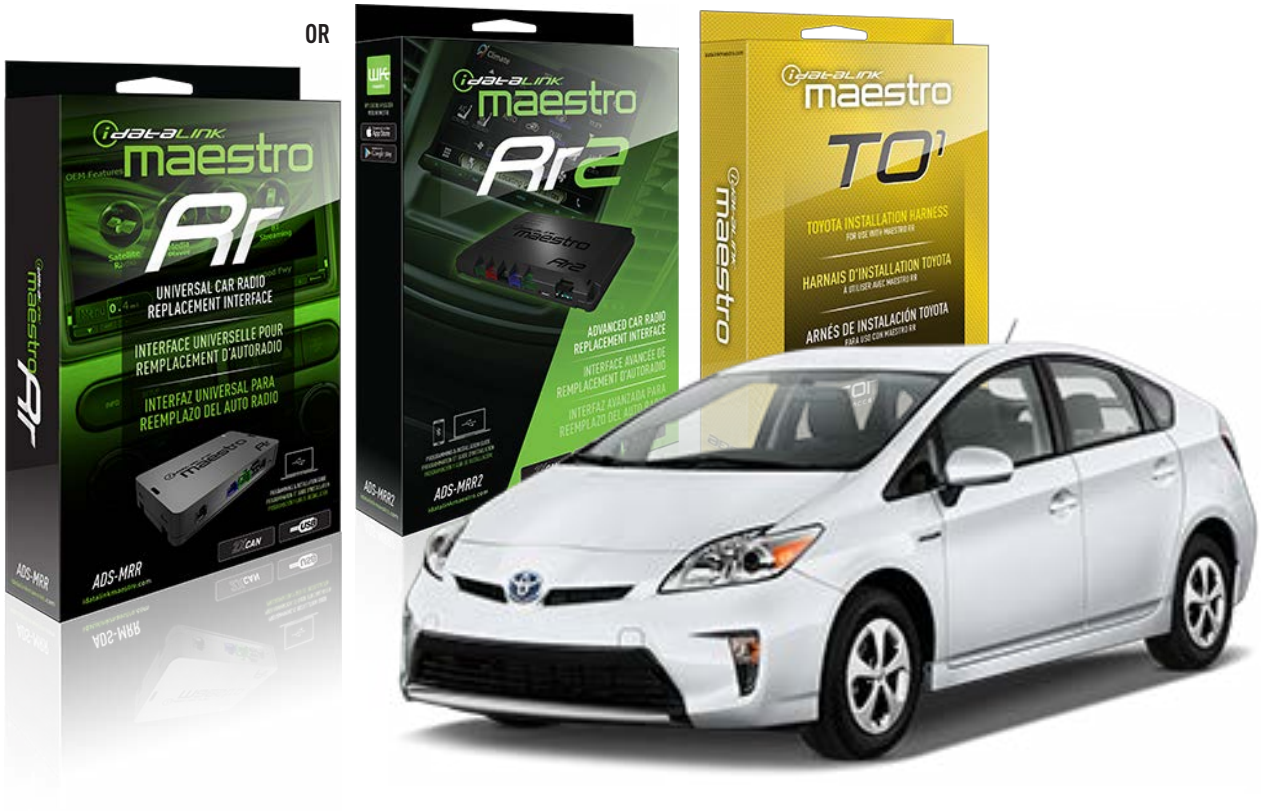
Email: maestro.support@idatalink.com

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.

INSTALL GUIDE

2012-2015
TOYOTA PRIUS
BASE

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 T01 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

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Disconnect 2-pin red connectors. Connect the factory harness to the T01 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

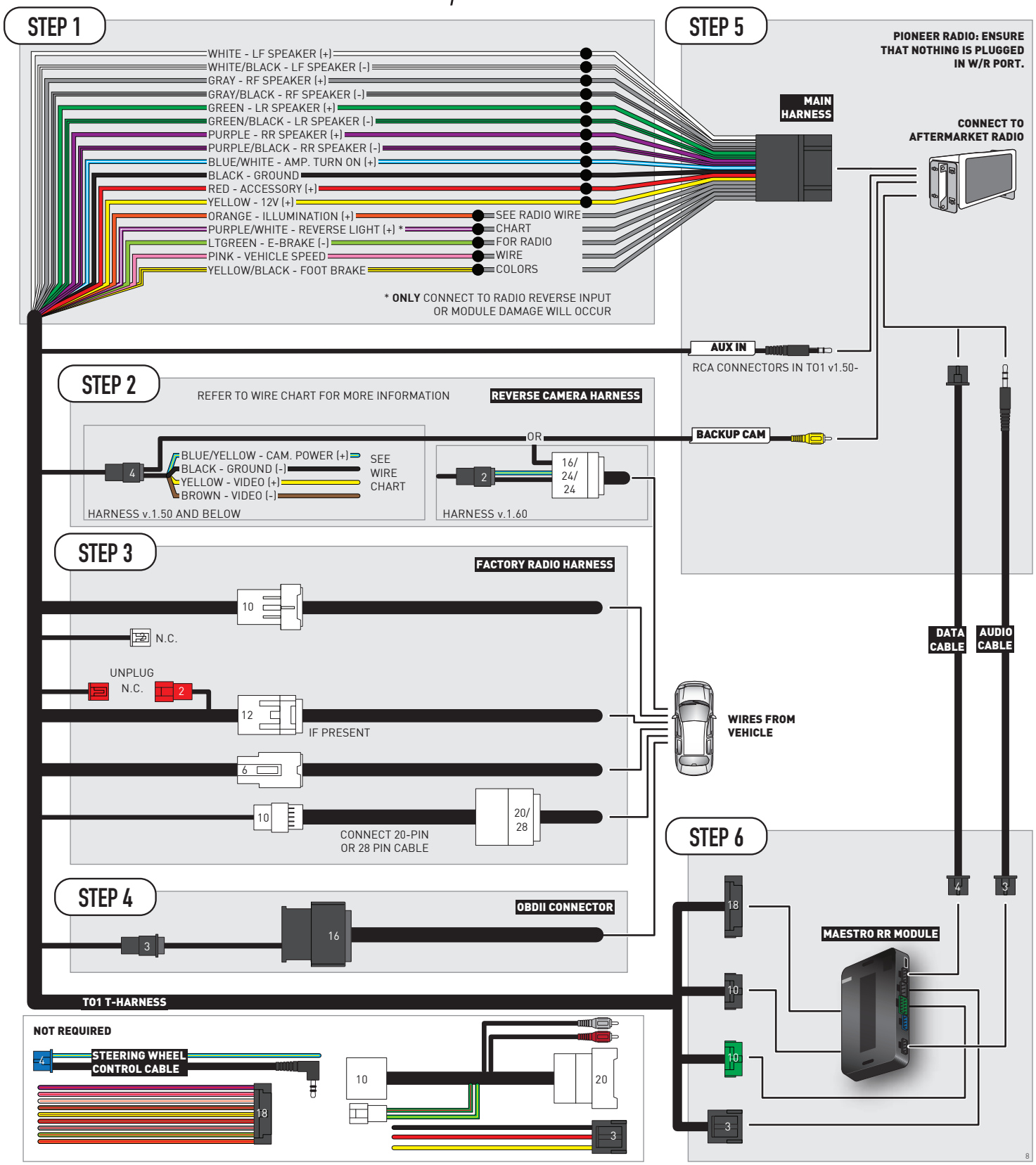
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



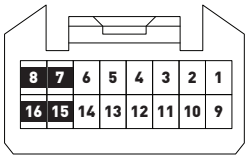
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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

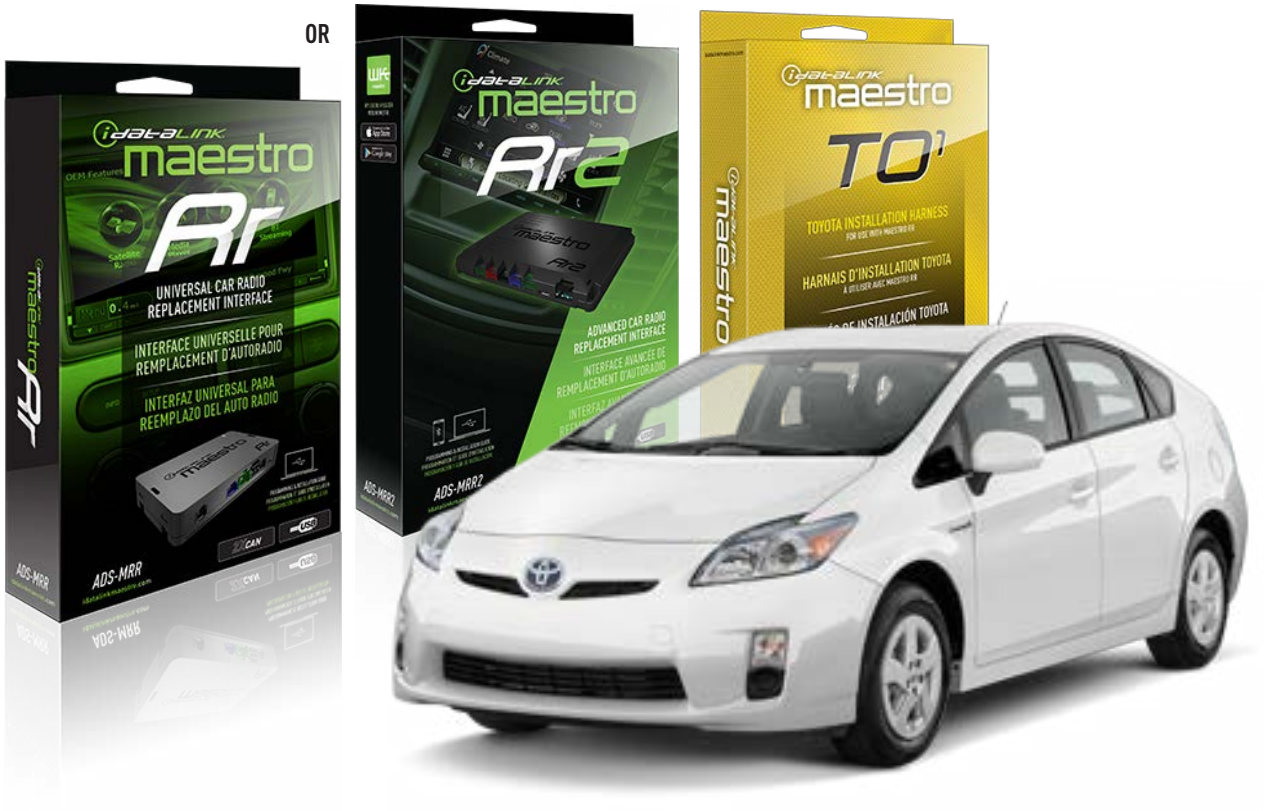
Email: maestro.support@idatalink.com

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.

INSTALL GUIDE

2010-2011
TOYOTA PRIUS
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Disconnect 2-pin red connectors. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

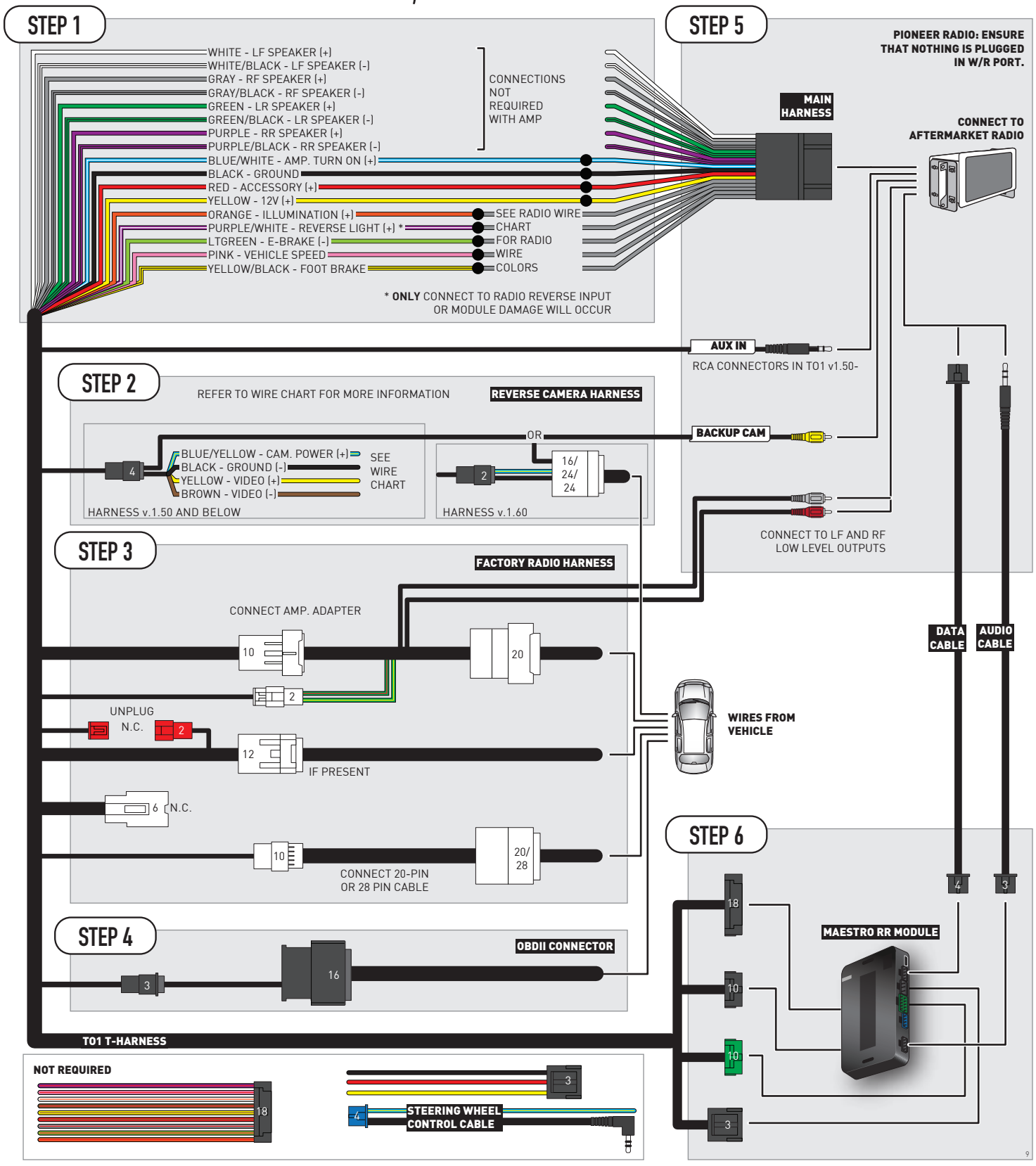
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



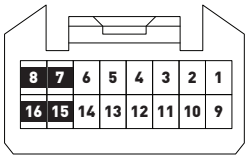
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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

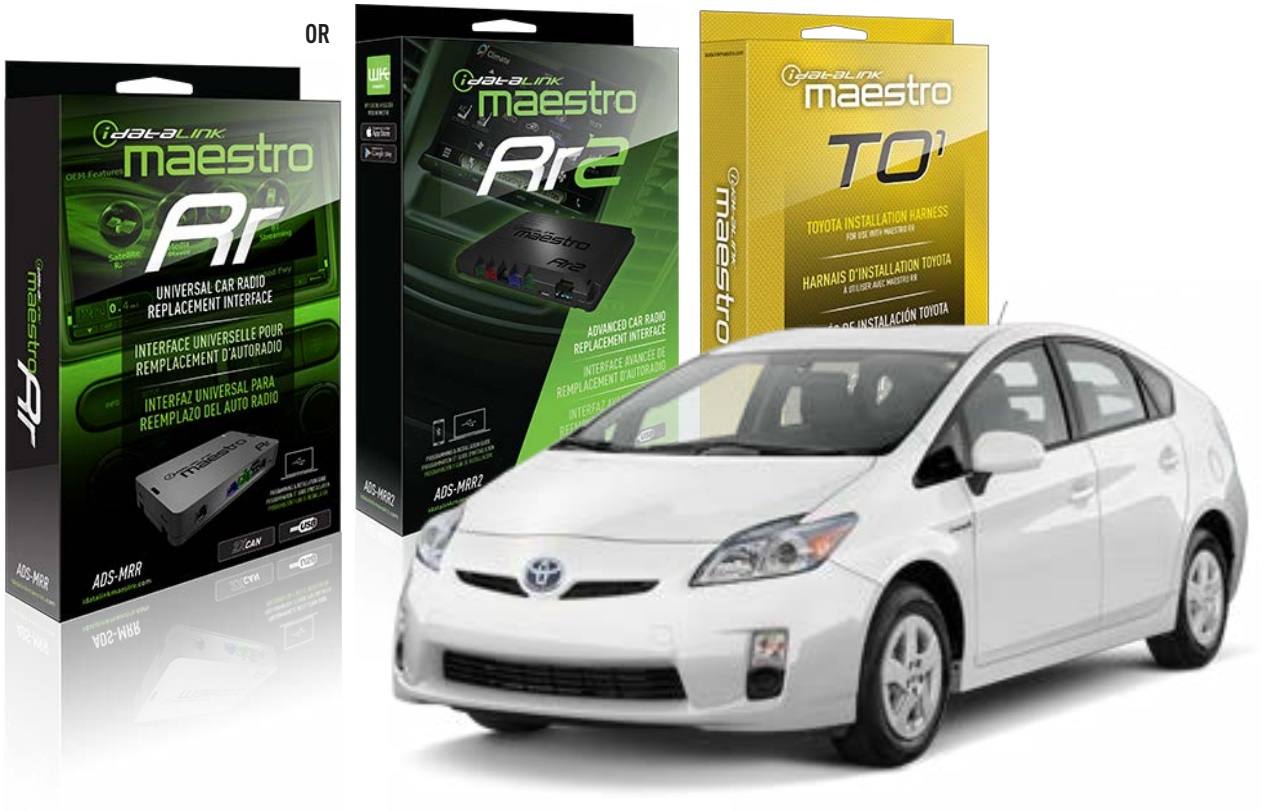
Email: maestro.support@idatalink.com

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.

INSTALL GUIDE

2010-2011
TOYOTA PRIUS
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 T01 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

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Disconnect 2-pin red connectors. Connect the factory harness to the T01 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

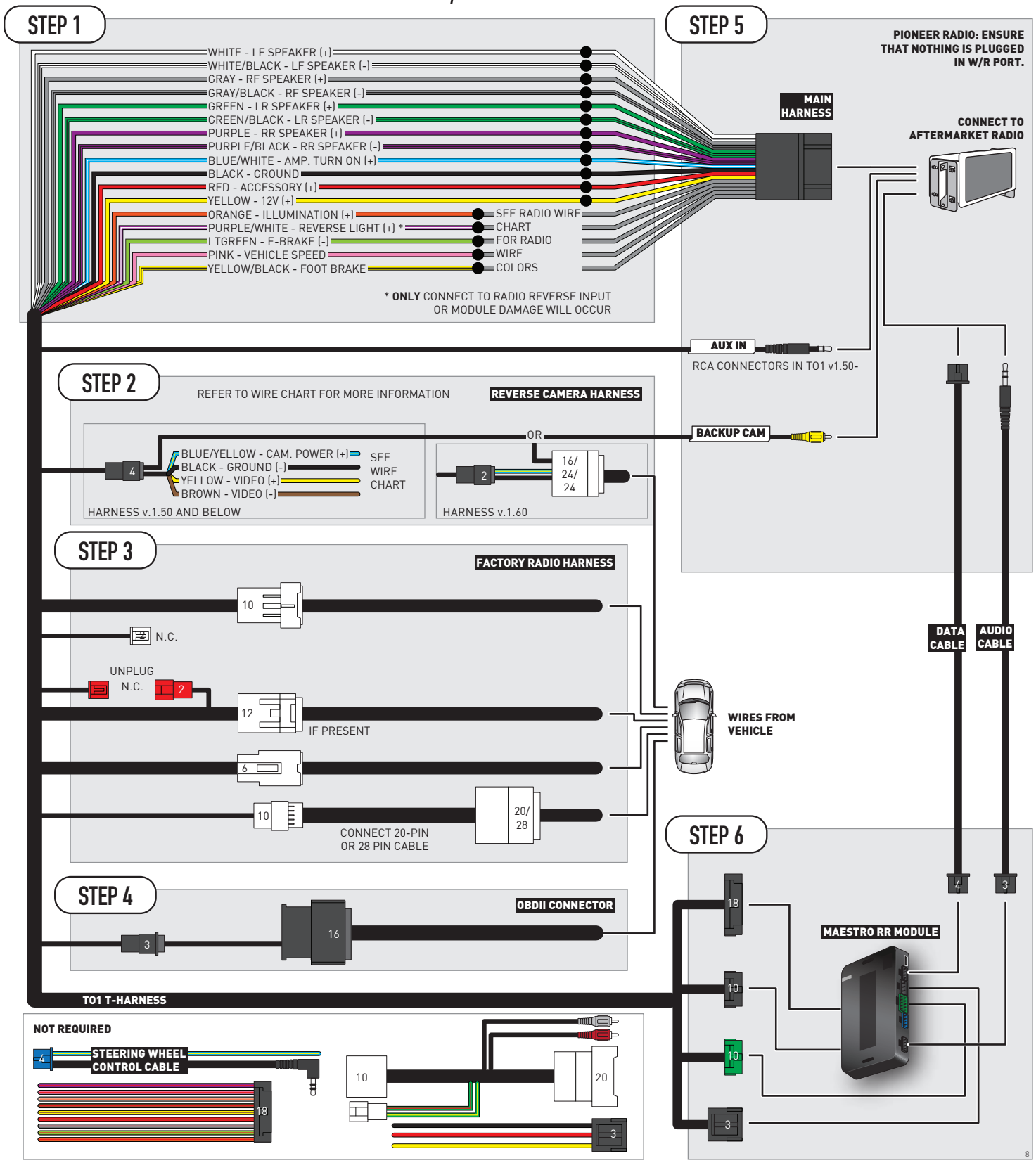
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

8

WIRING DIAGRAM *without an Amplifier*



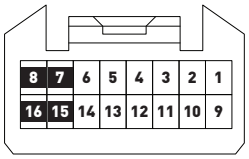
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012
TOYOTA RAV 4

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

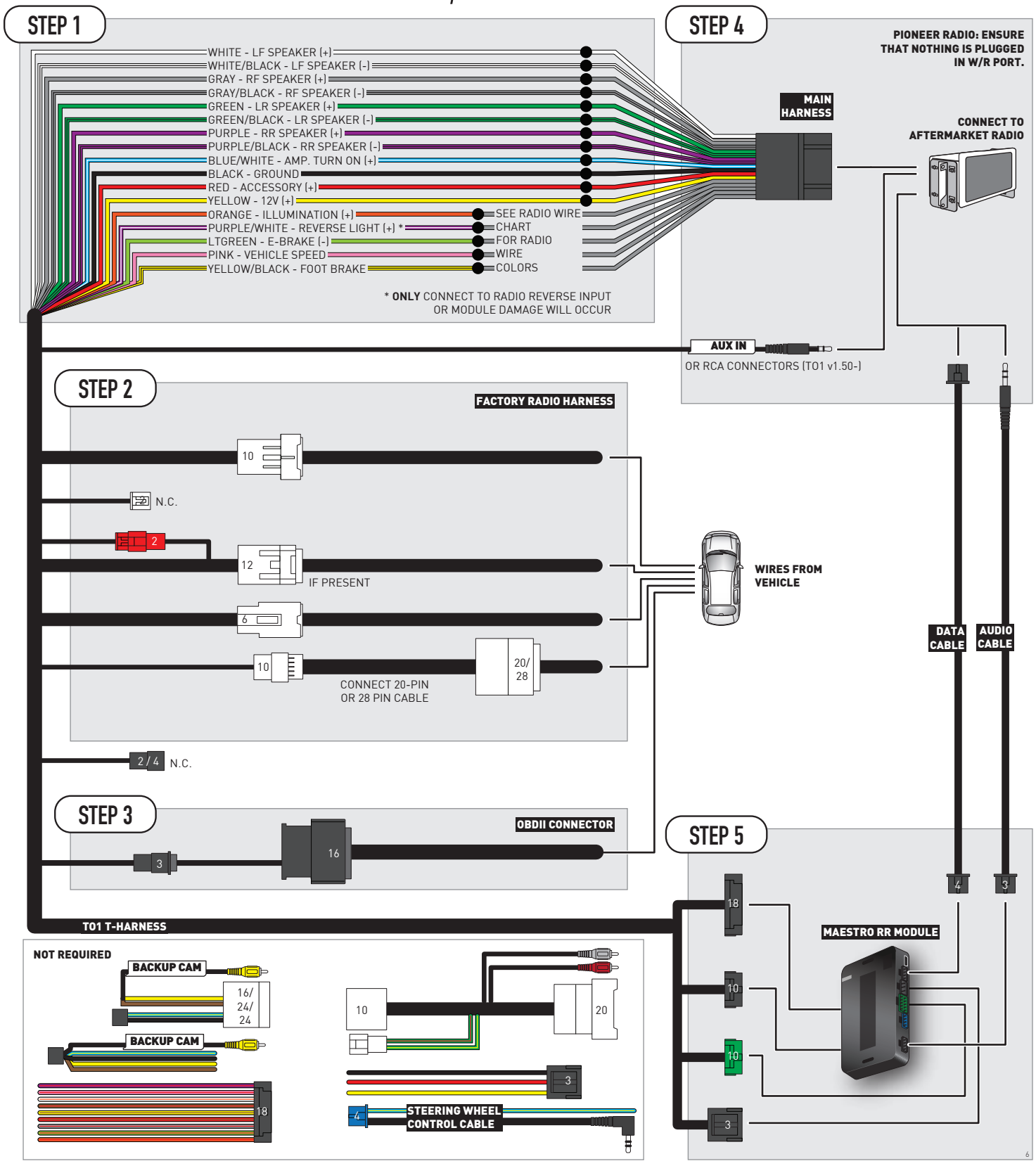
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2006-2011
TOYOTA RAV 4
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

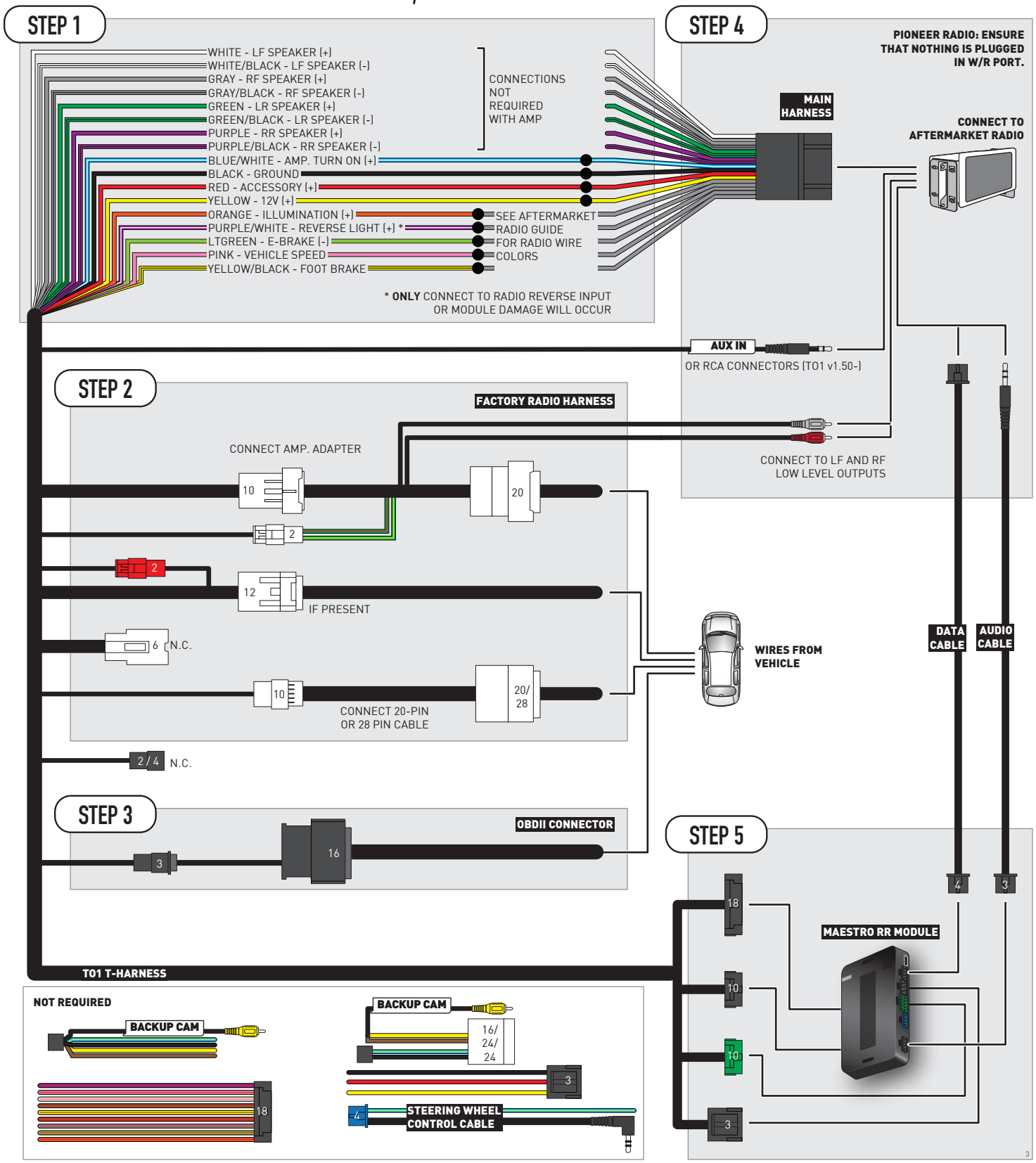
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2006-2011
TOYOTA RAV 4
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

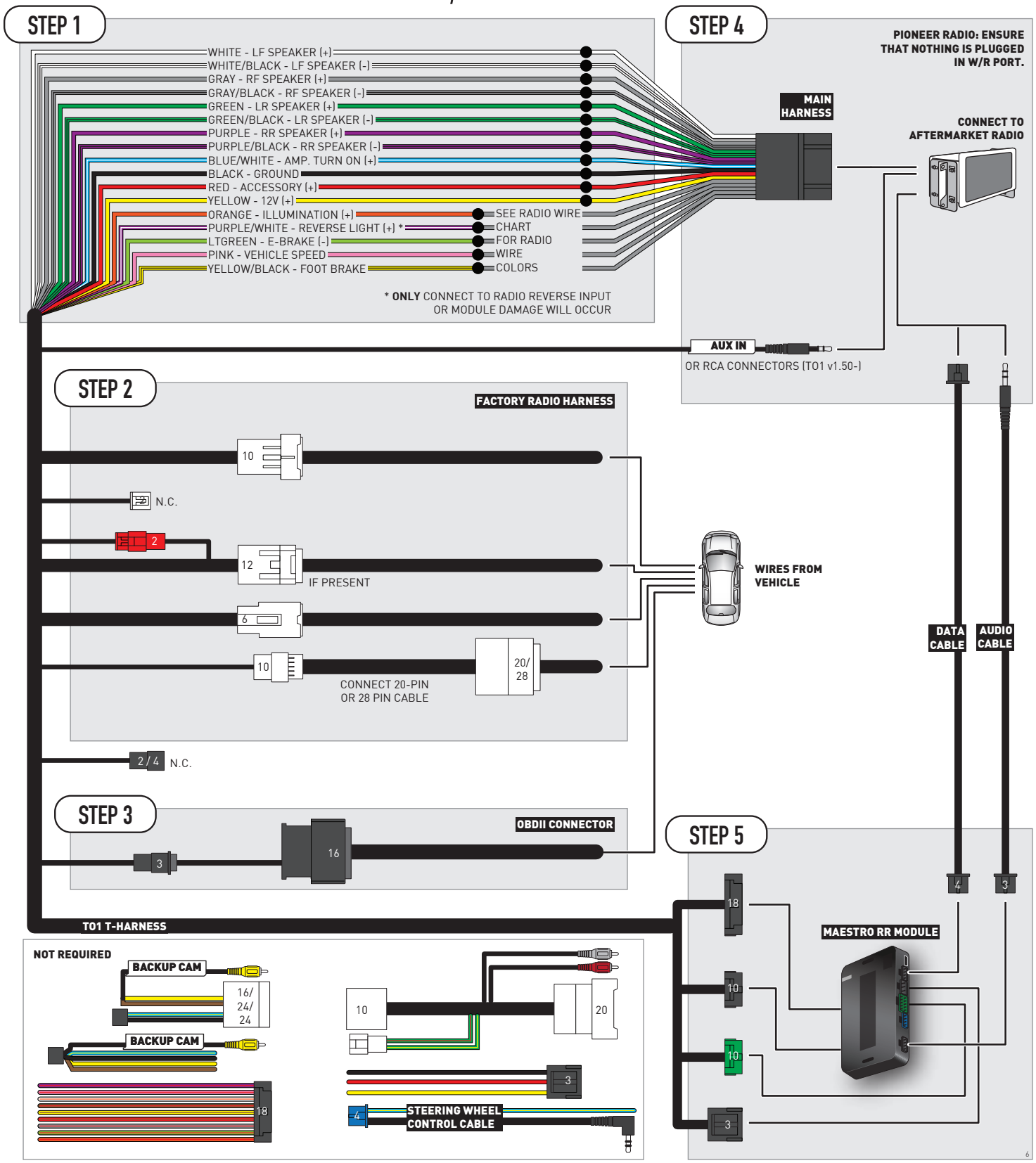
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2013
TOYOTA SEQUOIA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

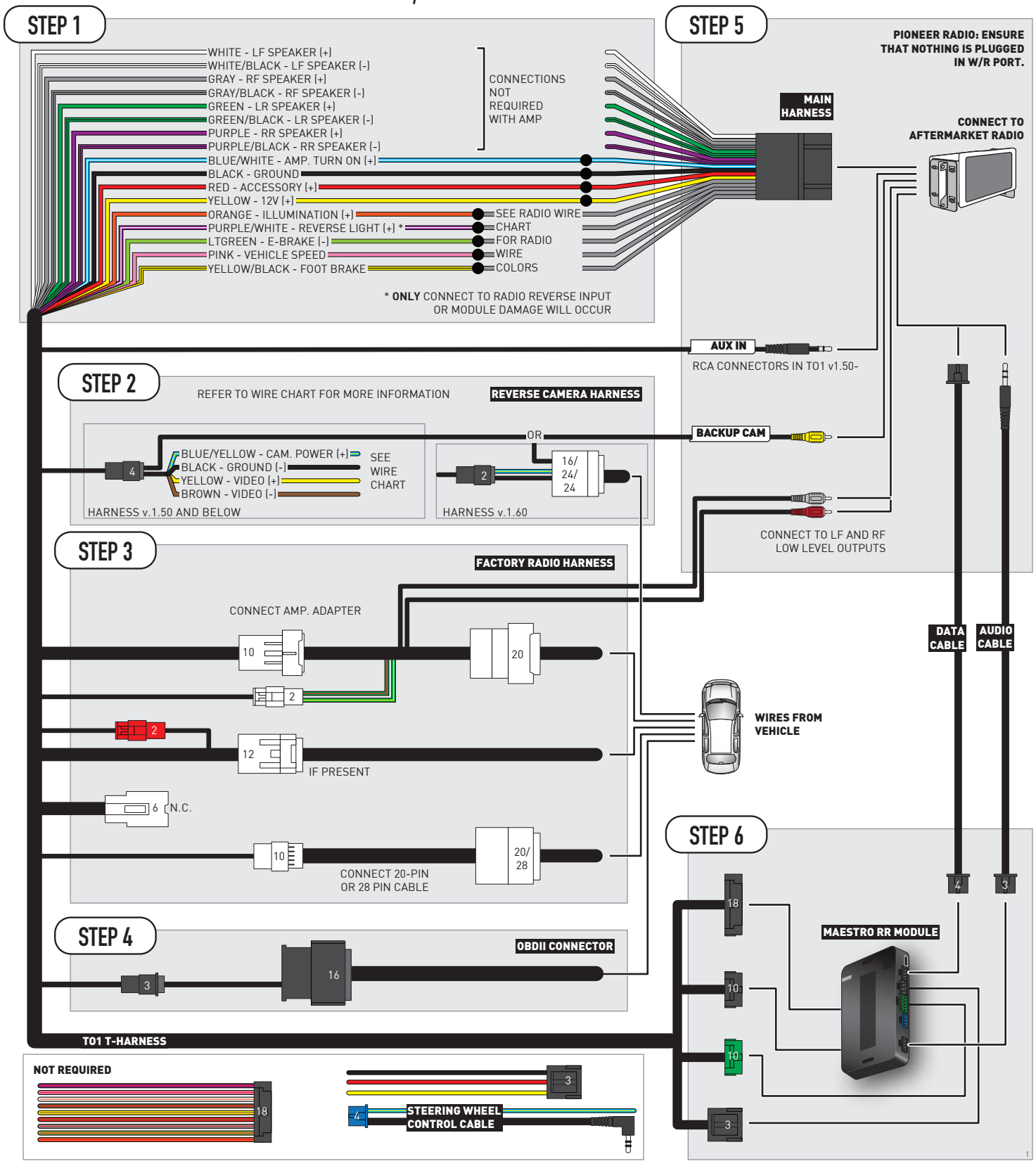
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

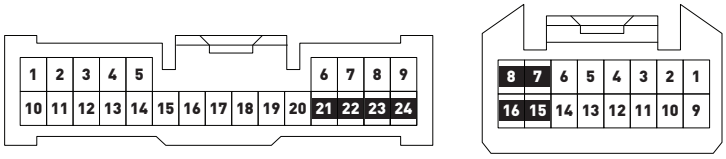
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2008-2013
TOYOTA SEQUOIA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

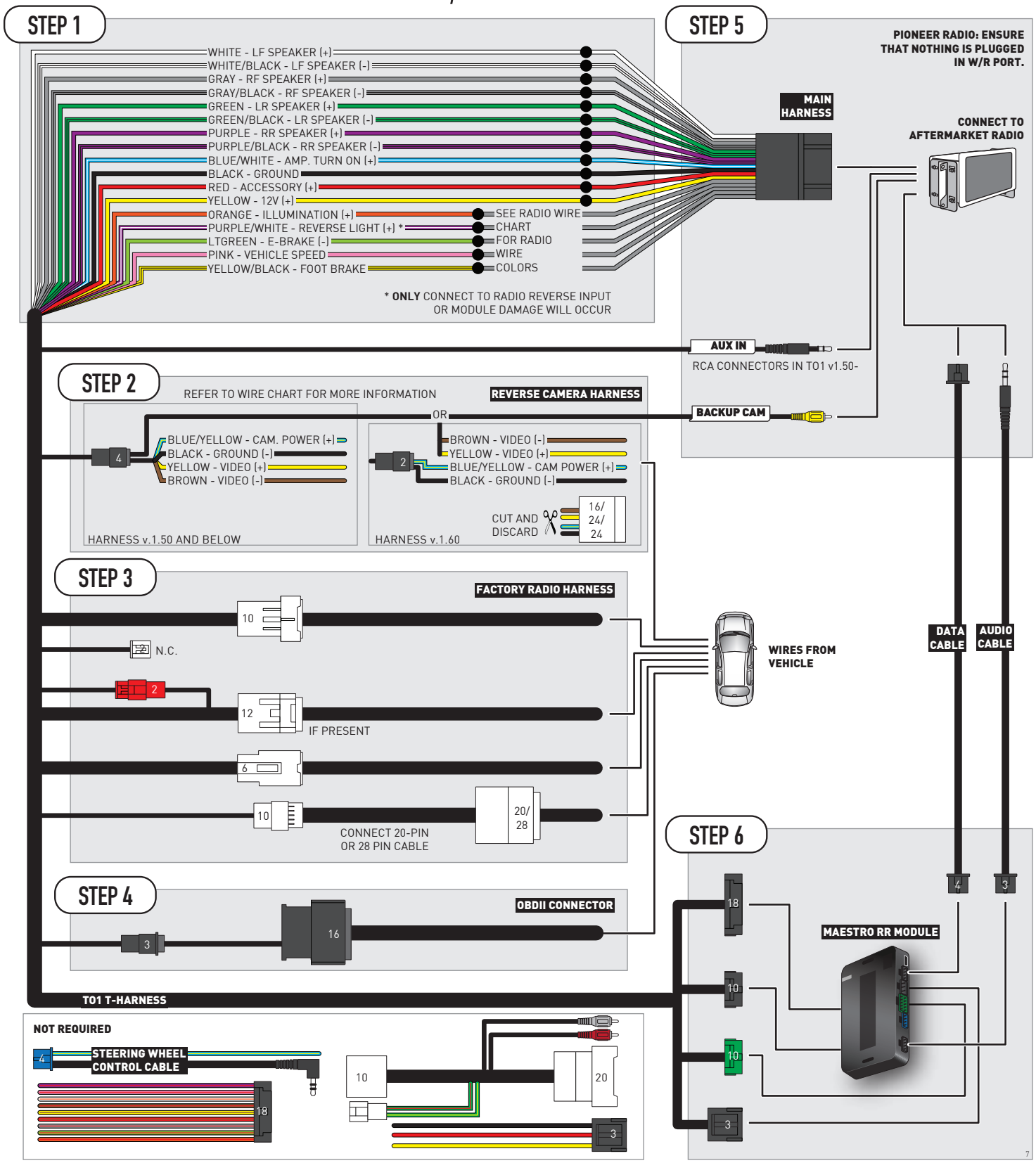
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

7

WIRING DIAGRAM *without an Amplifier*



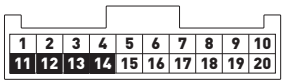
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2014-2018
TOYOTA SEQUOIA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

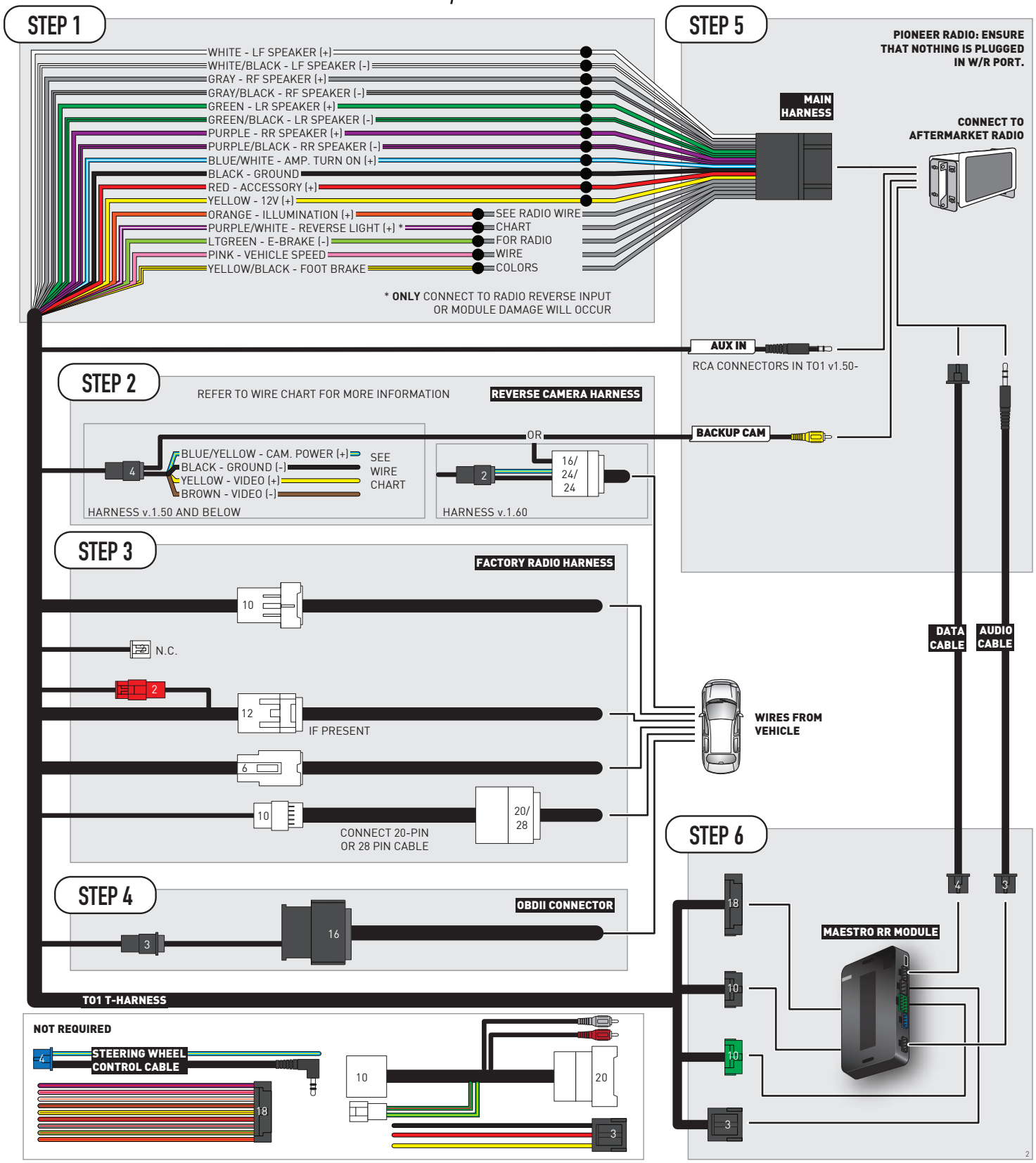
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



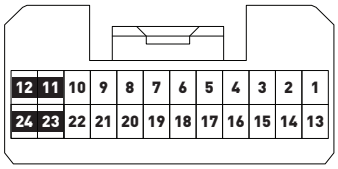
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	White	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2010
TOYOTA SIENNA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

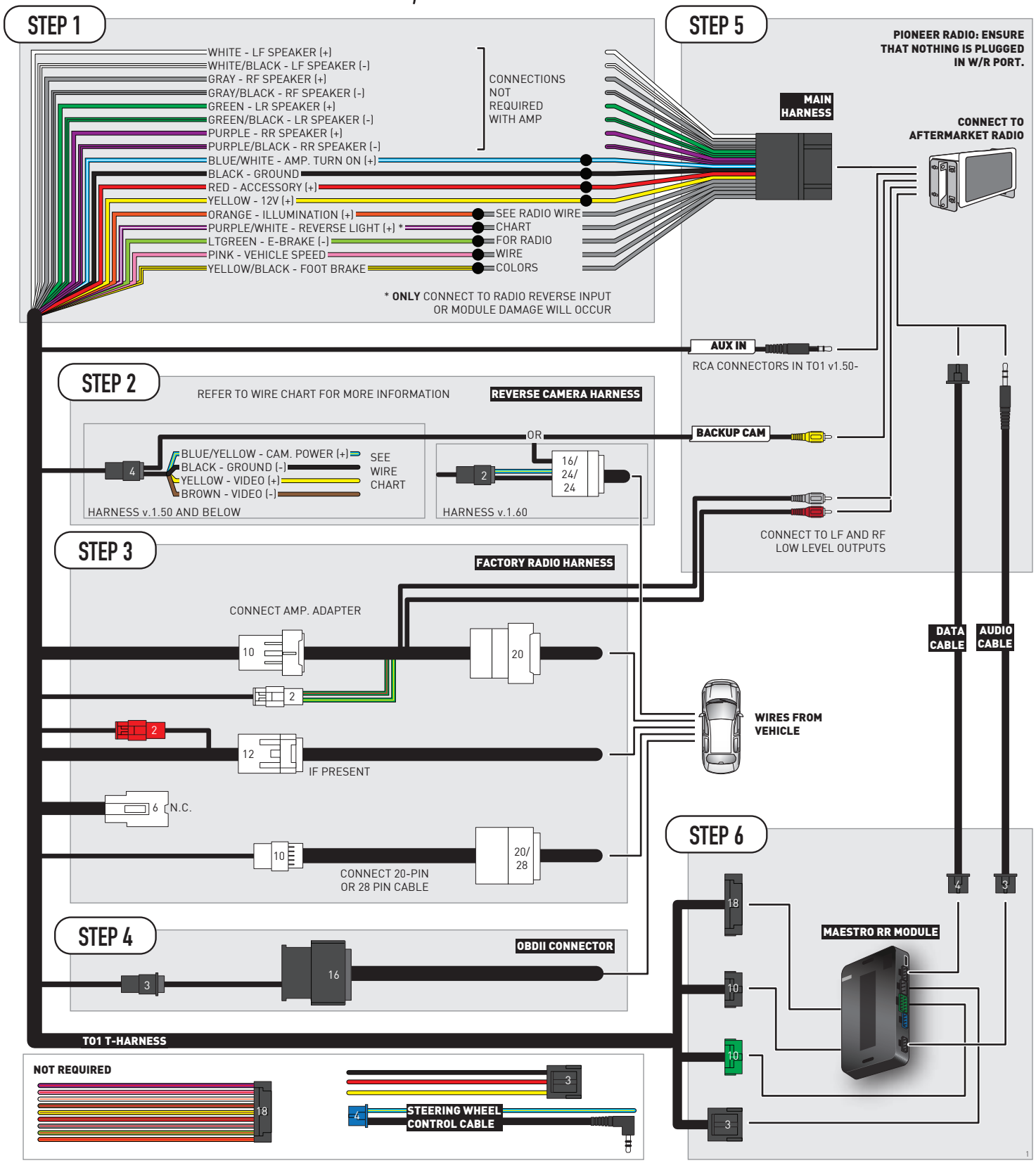
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



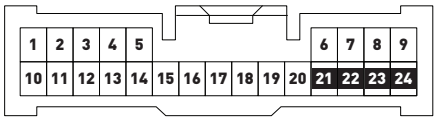
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2011-2014
TOYOTA SIENNA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

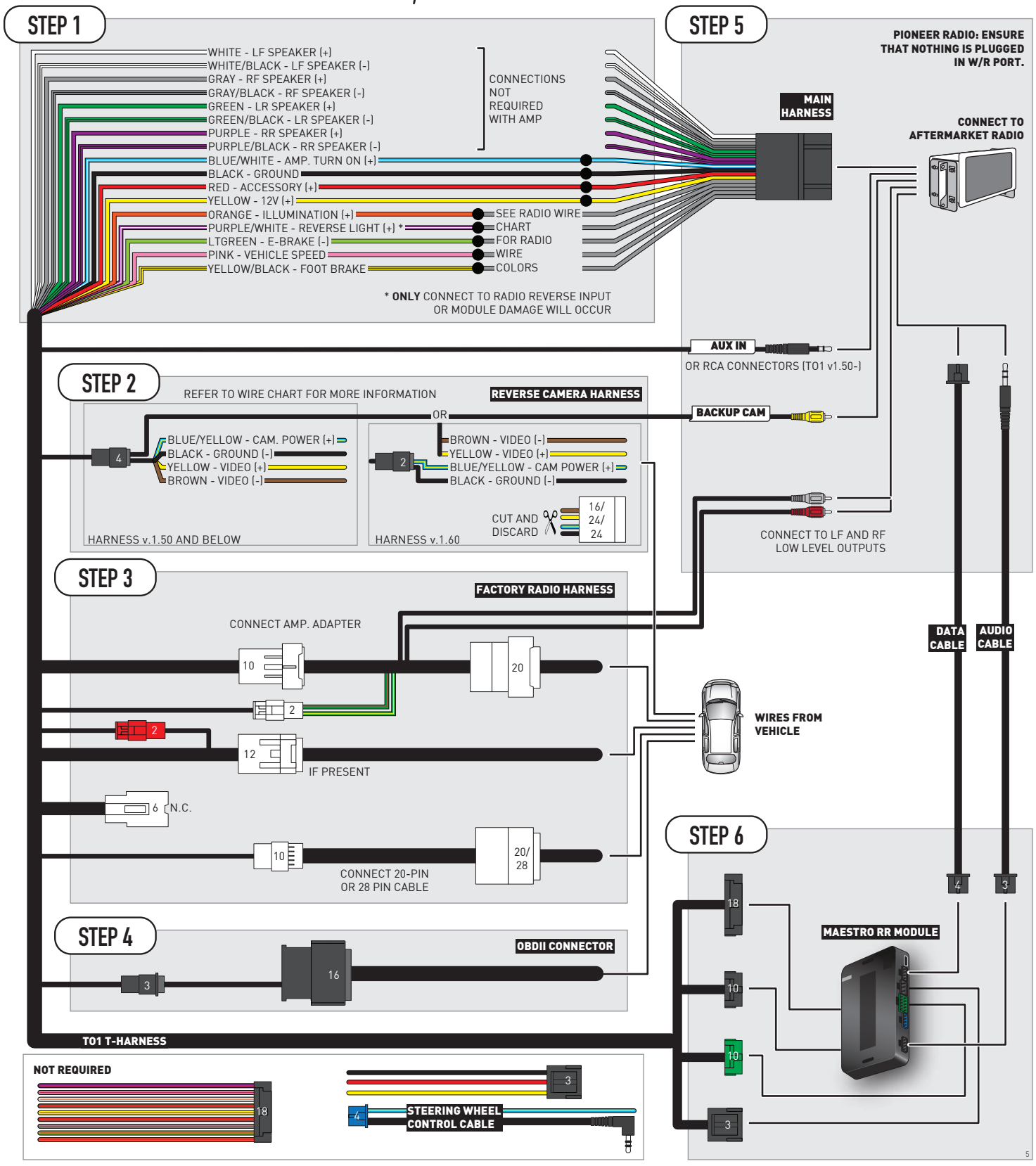
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



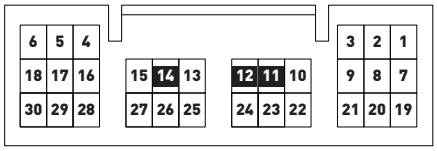
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	30 pin	14	Red	(+)	Parking assist ECU, behind glovebox
Ground	~	~	~	~	~	~	~
Video +	~	~	30 pin	12	Black	(+)	Parking assist ECU, behind glovebox
Video -	~	~	30 pin	11	White	(-)	Parking assist ECU, behind glovebox

PARKING ASSIST CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2010
TOYOTA SIENNA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

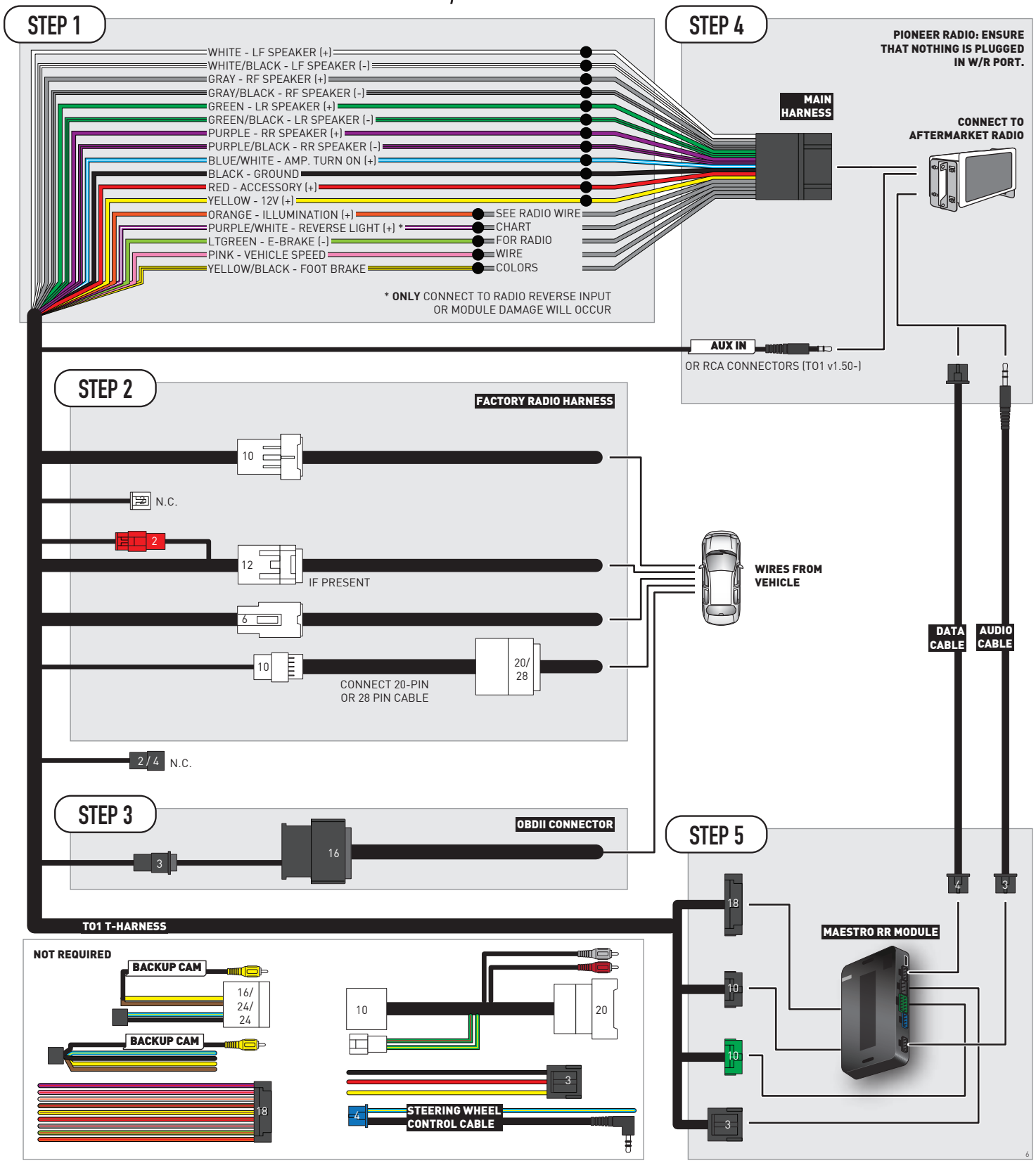
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2011-2014
TOYOTA SIENNA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

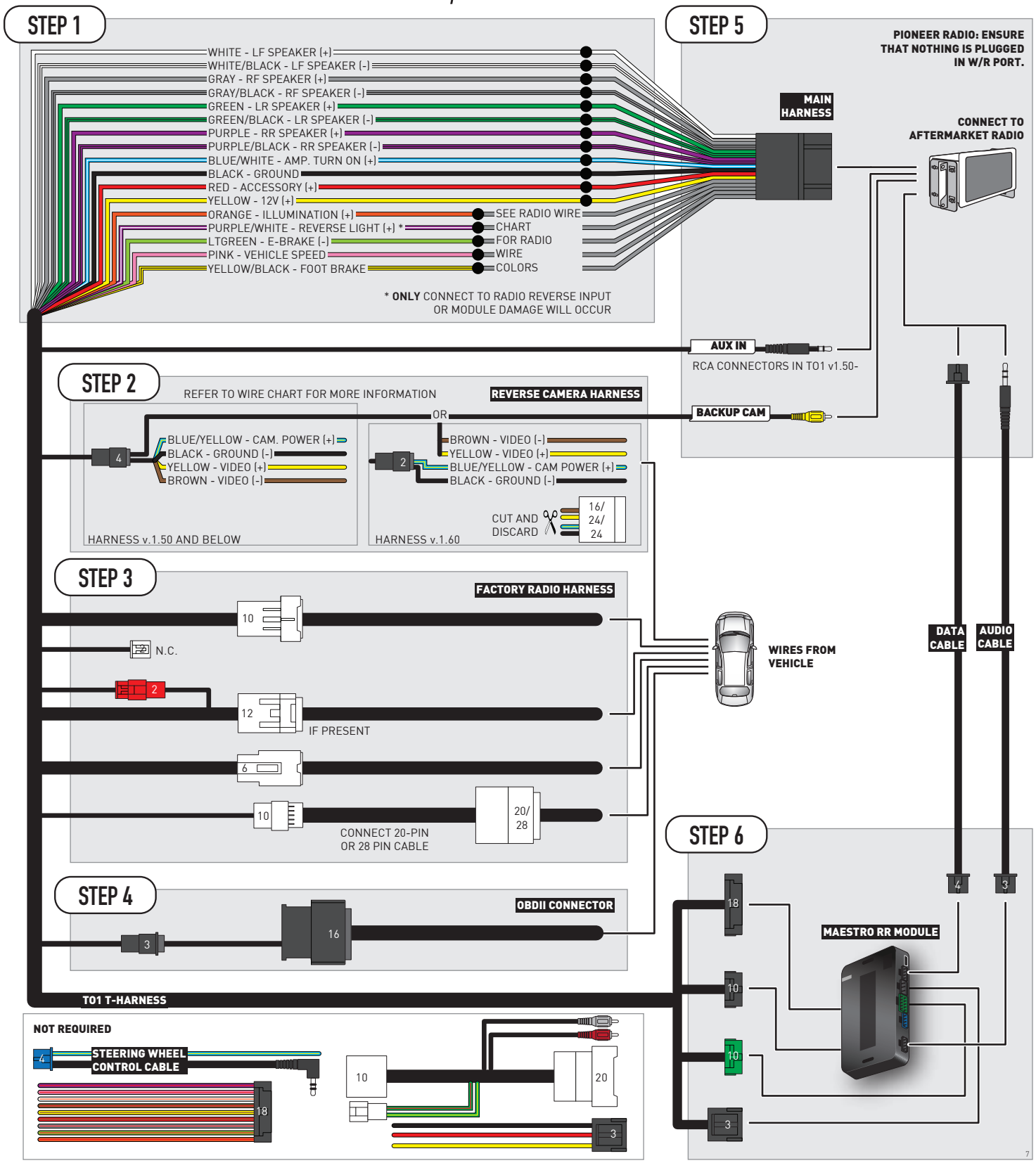
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



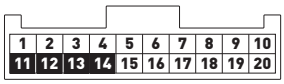
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Red	(+)	Reverse camera harness
Ground	~	~	20 pin	14	Shield	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Black	(+)	Reverse camera harness
Video -	~	~	20 pin	12	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2005-2011
TOYOTA TACOMA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

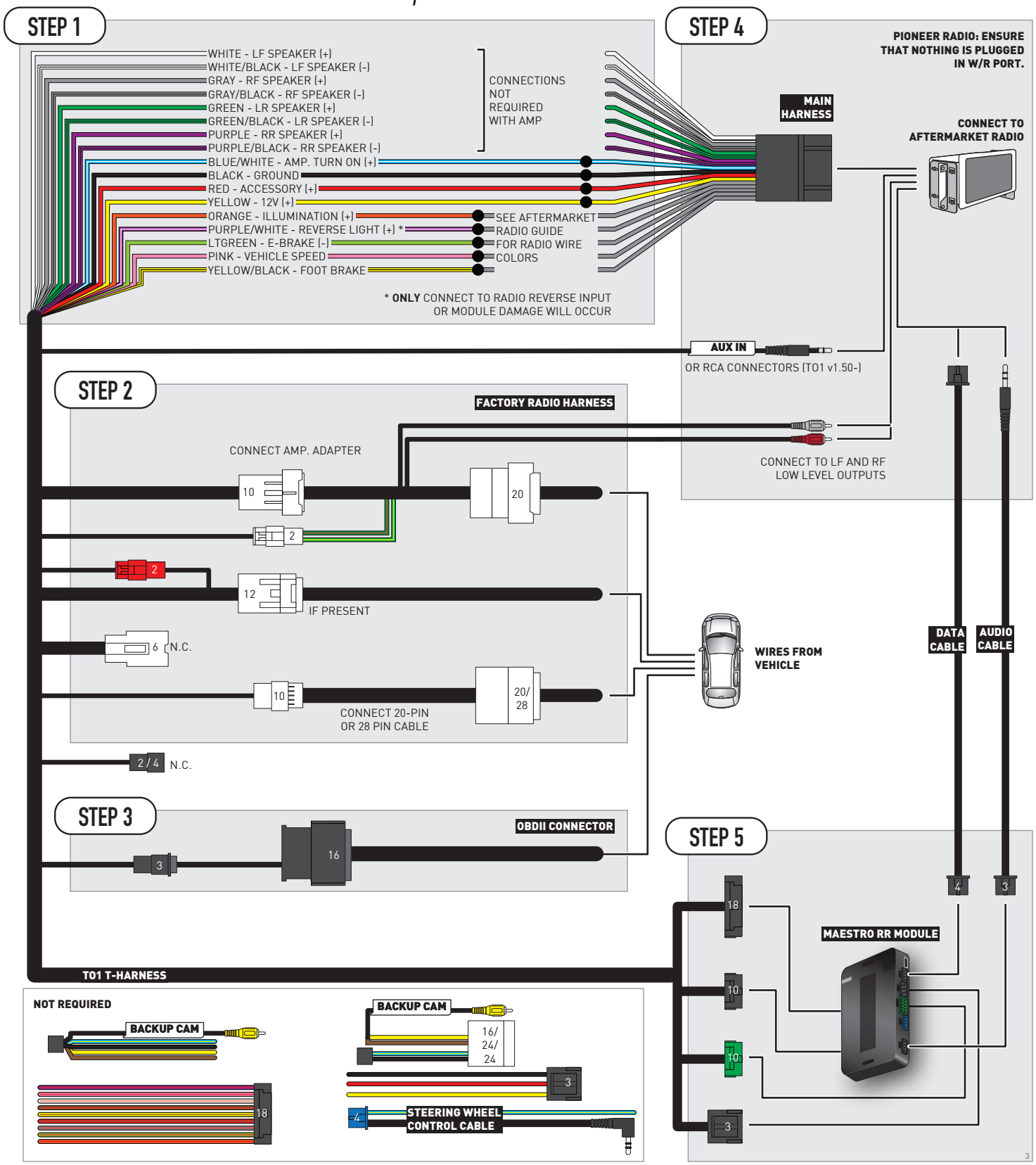
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2013
TOYOTA TACOMA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

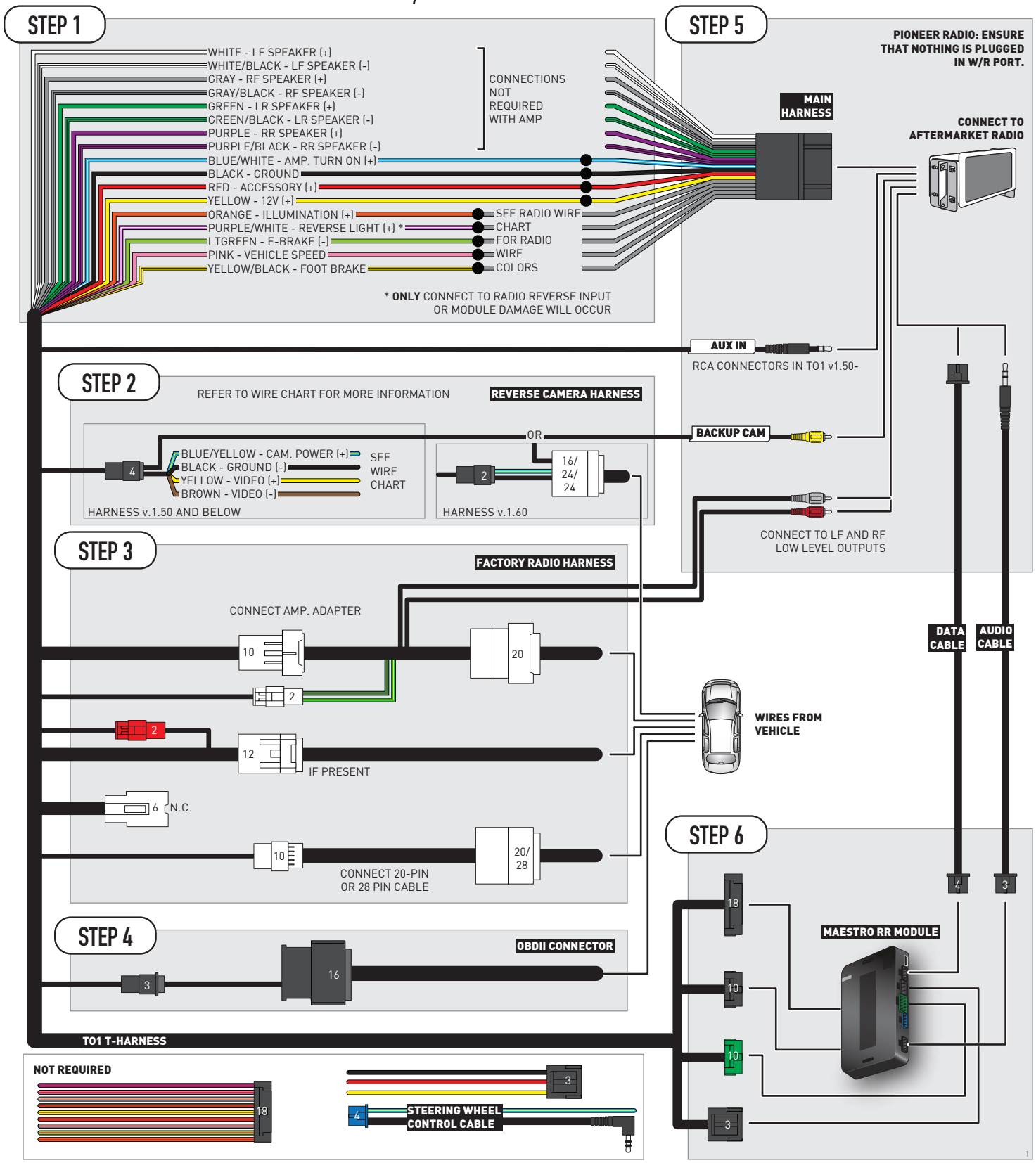
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

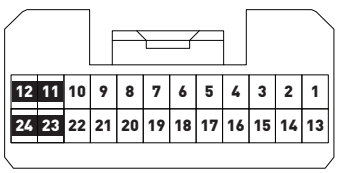
VEHICLE WIRE REFERENCE CHART

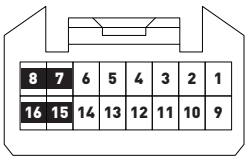
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2005-2011
TOYOTA TACOMA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

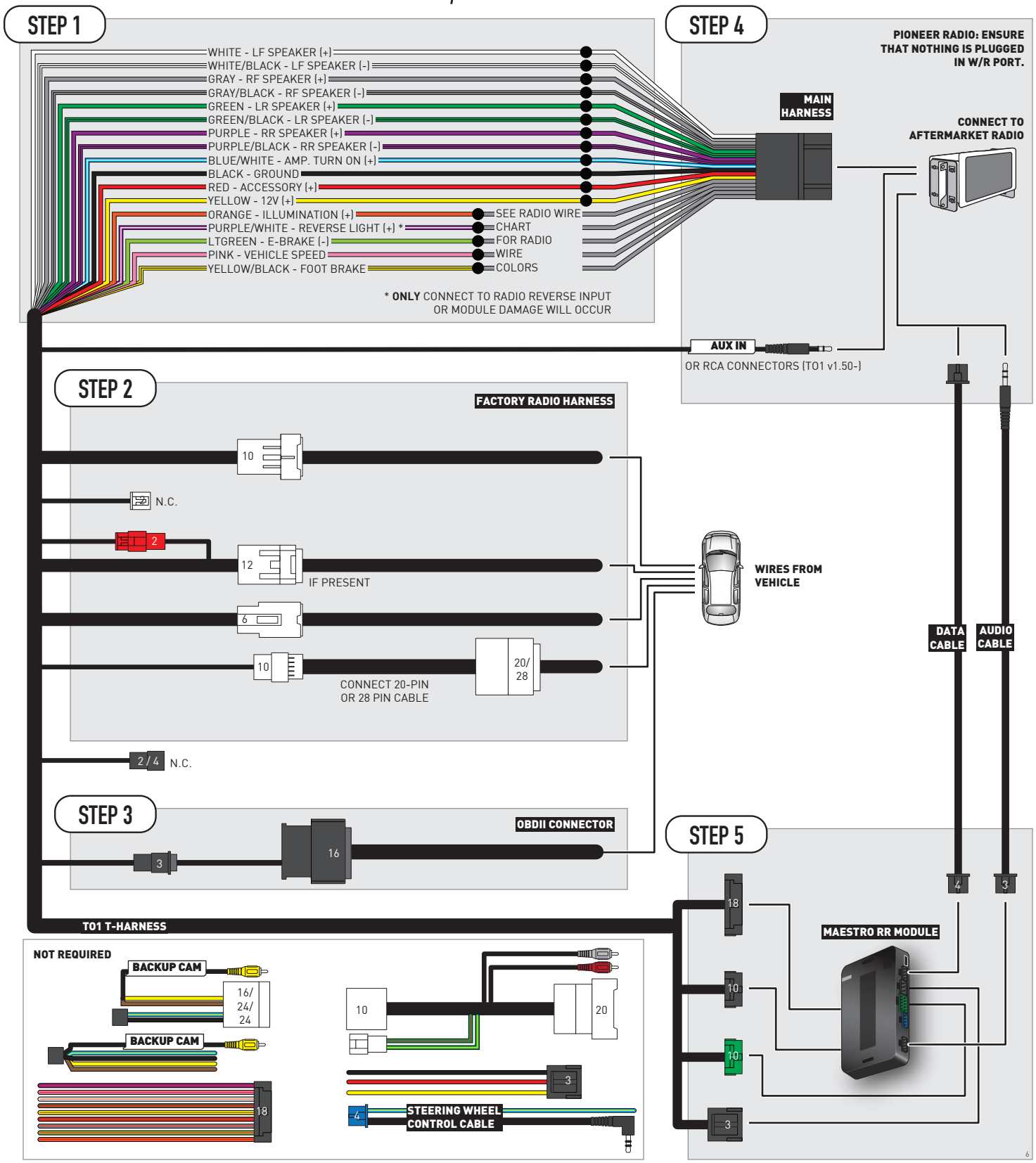
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2015
TOYOTA TACOMA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

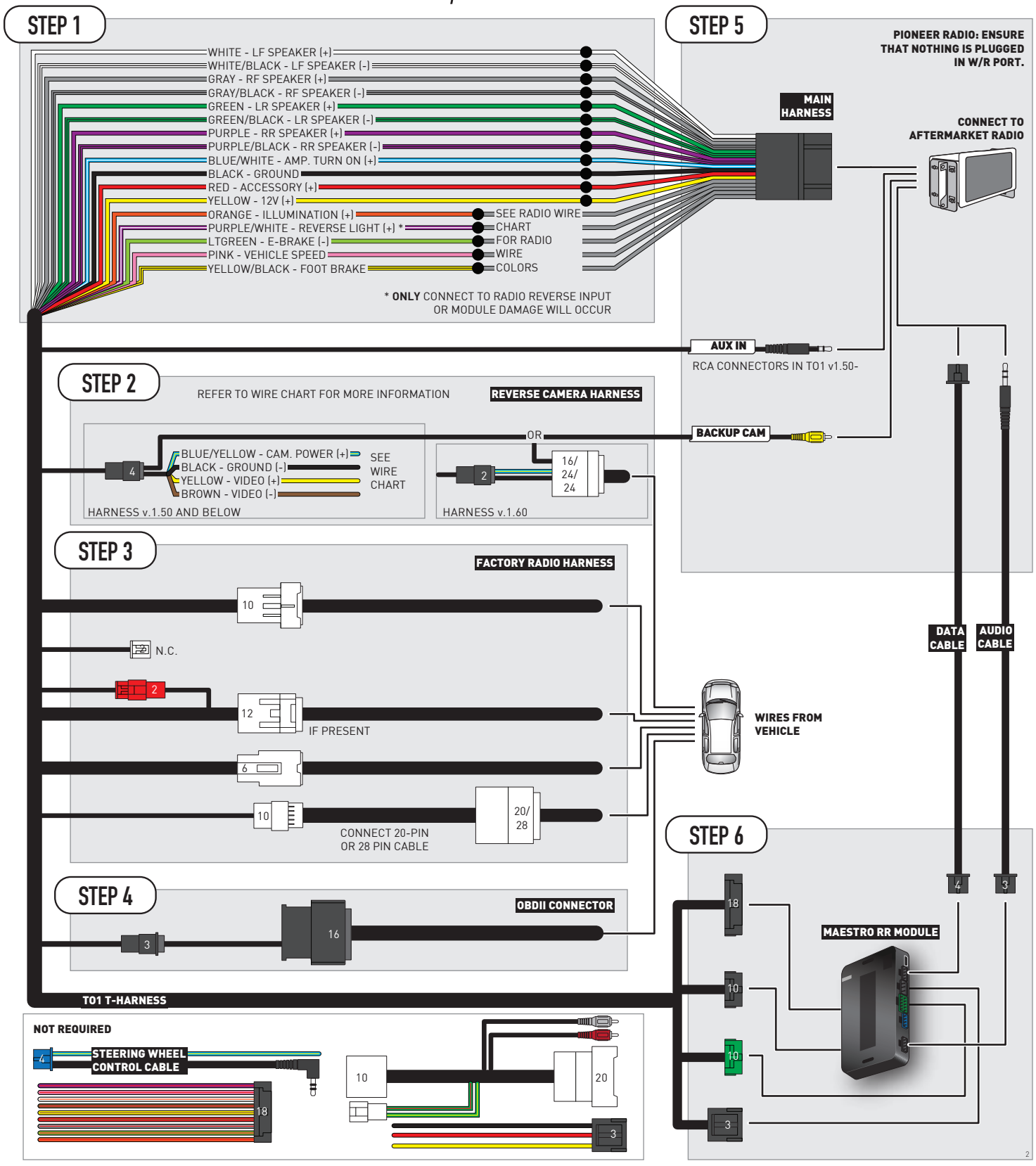
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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

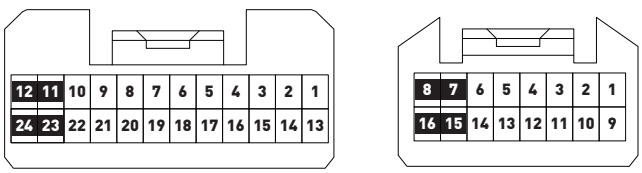
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2013
TOYOTA TUNDRA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

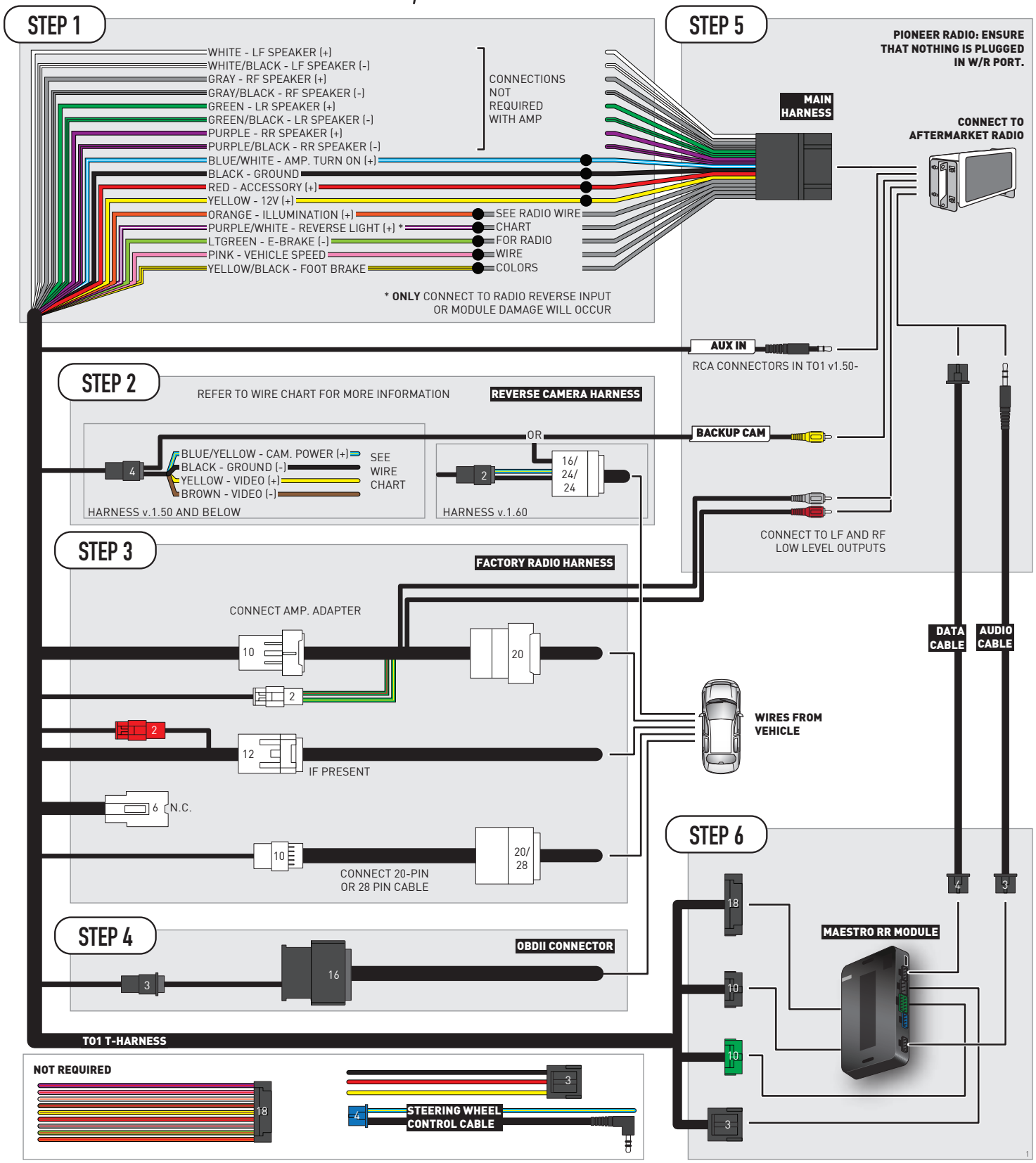
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *with an Amplifier*



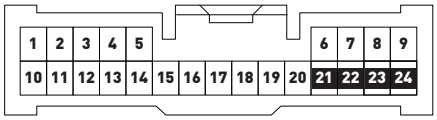
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2013
TOYOTA TUNDRA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

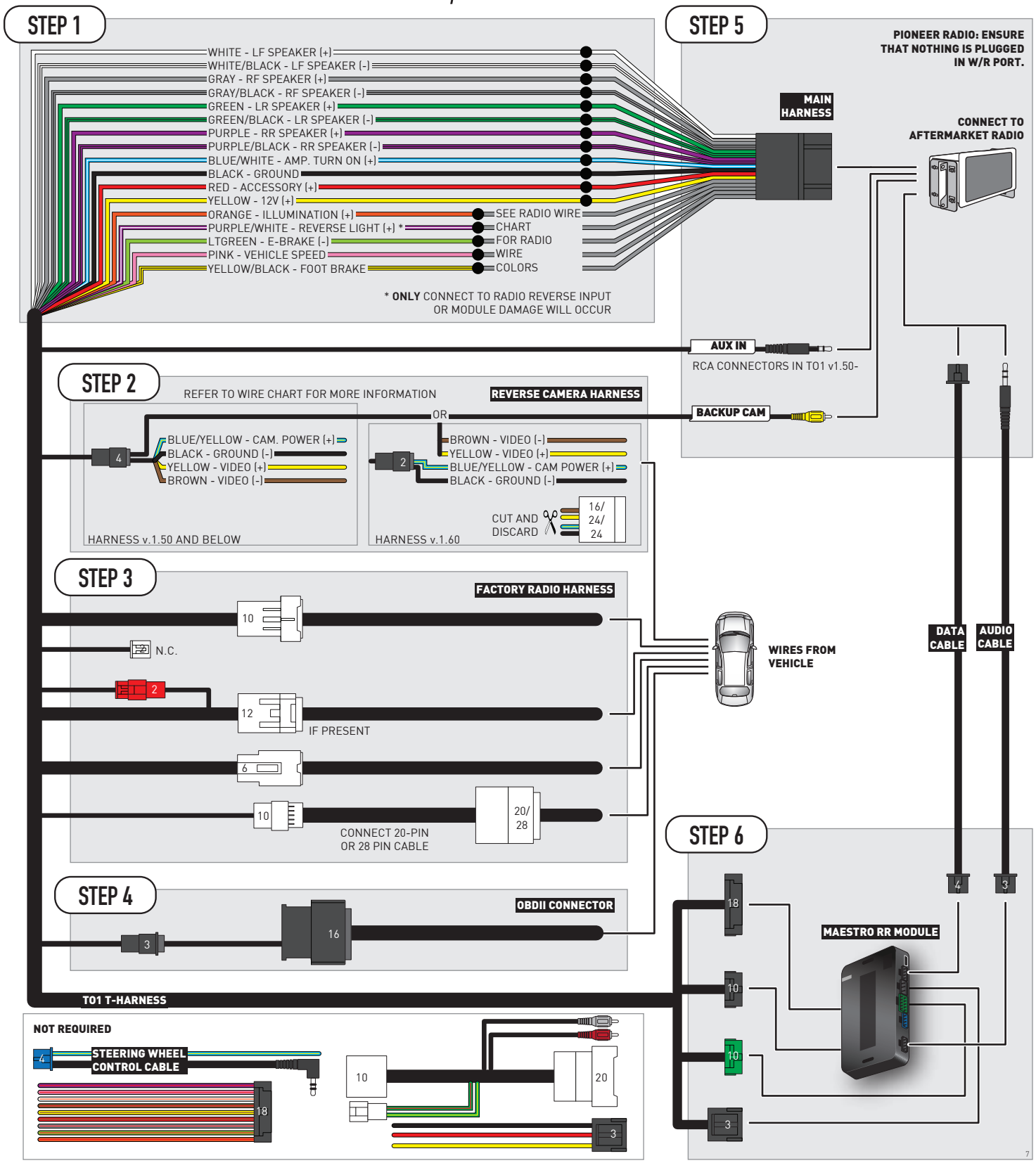
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM *without an Amplifier*



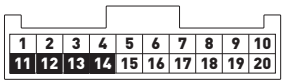
RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2012
TOYOTA VENZA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

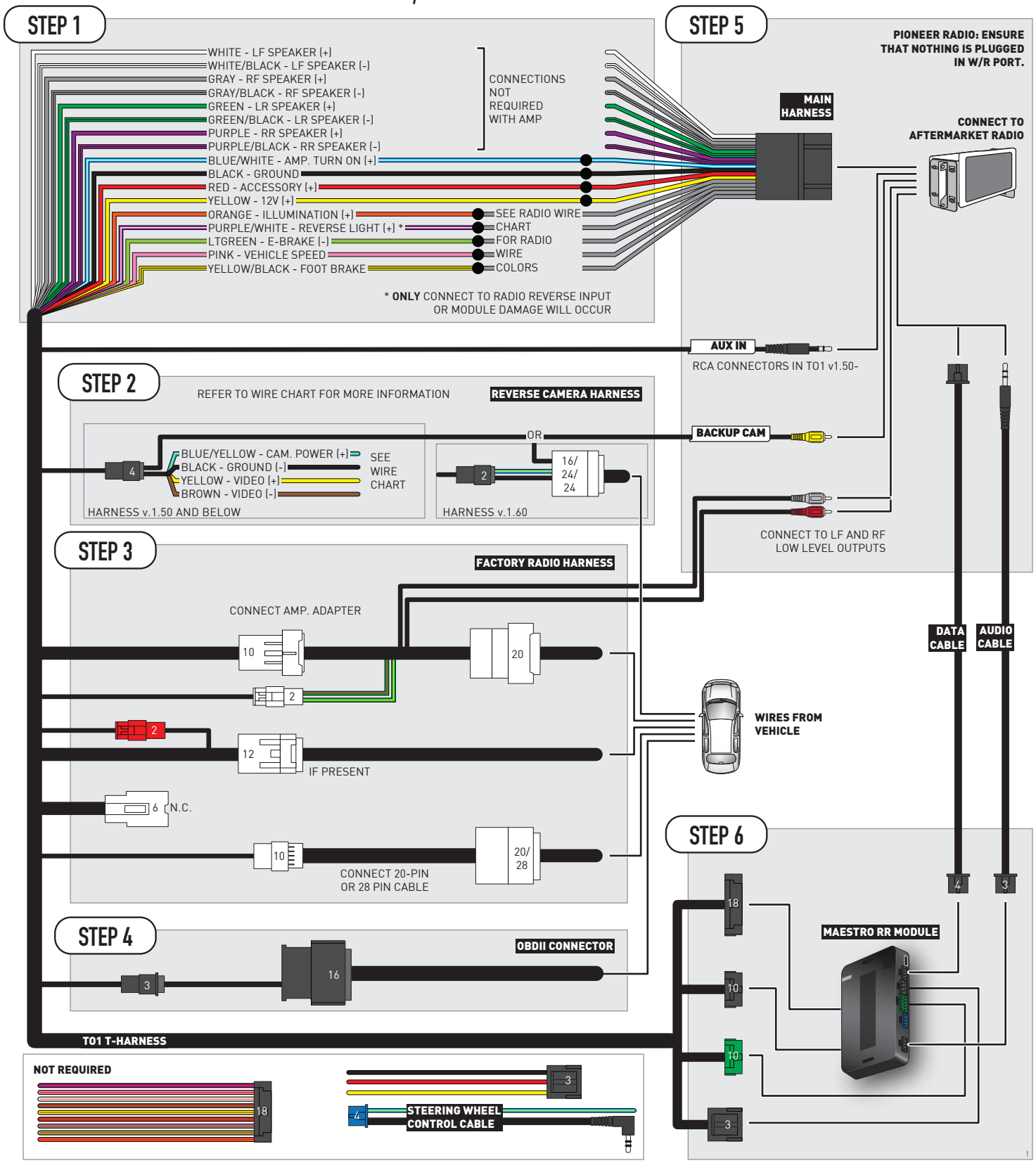
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

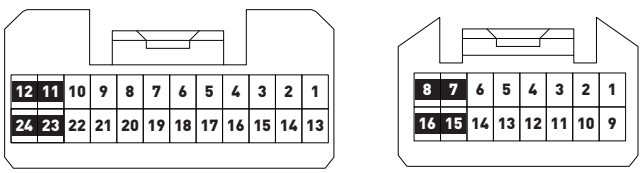
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013-2014
TOYOTA VENZA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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).

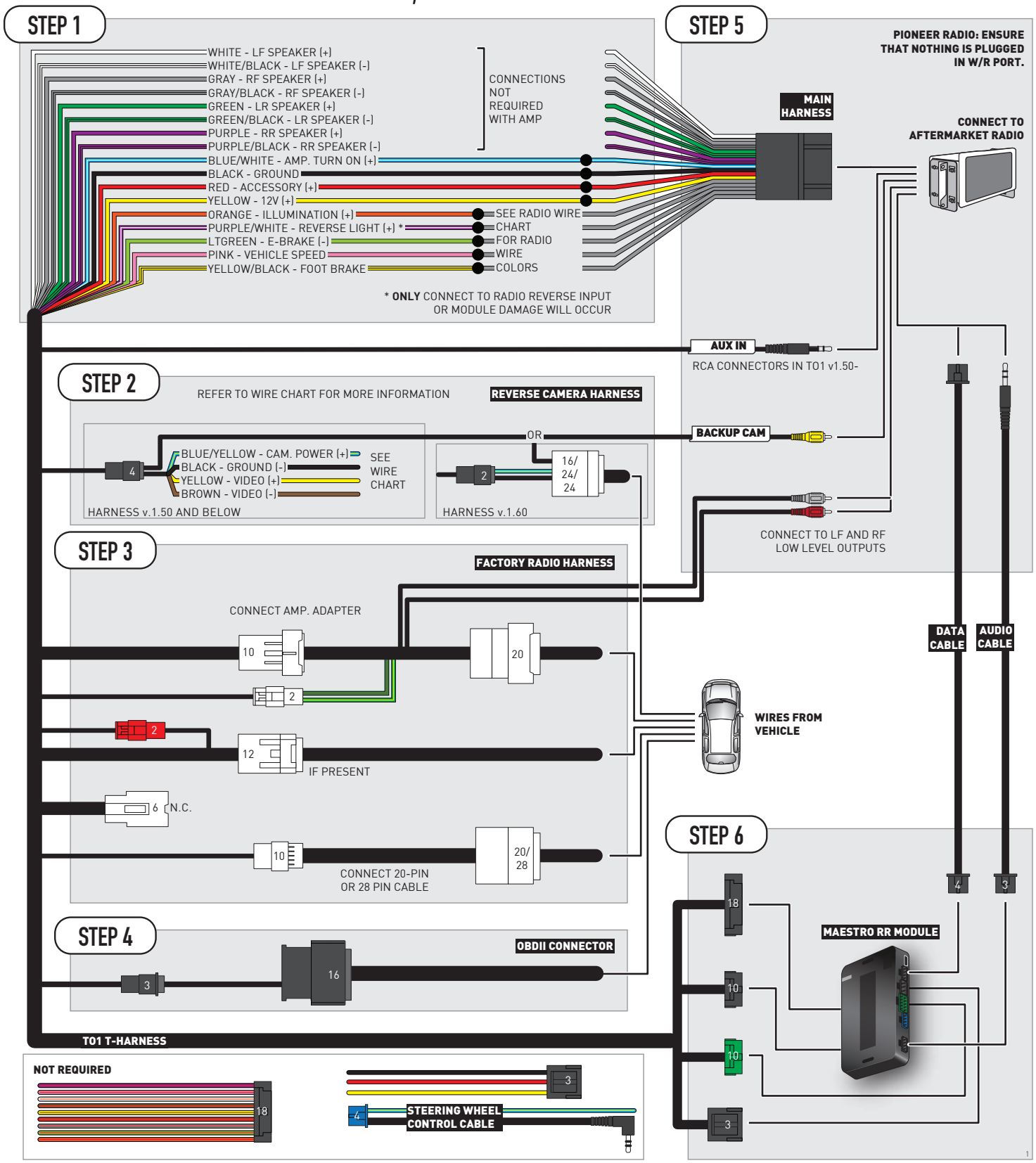
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM *with an Amplifier*



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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

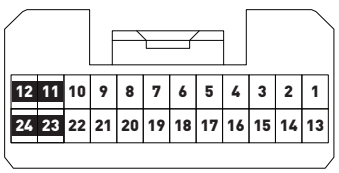
VEHICLE WIRE REFERENCE CHART

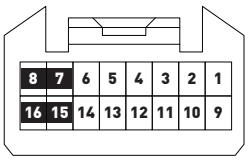
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2009-2012
TOYOTA VENZA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

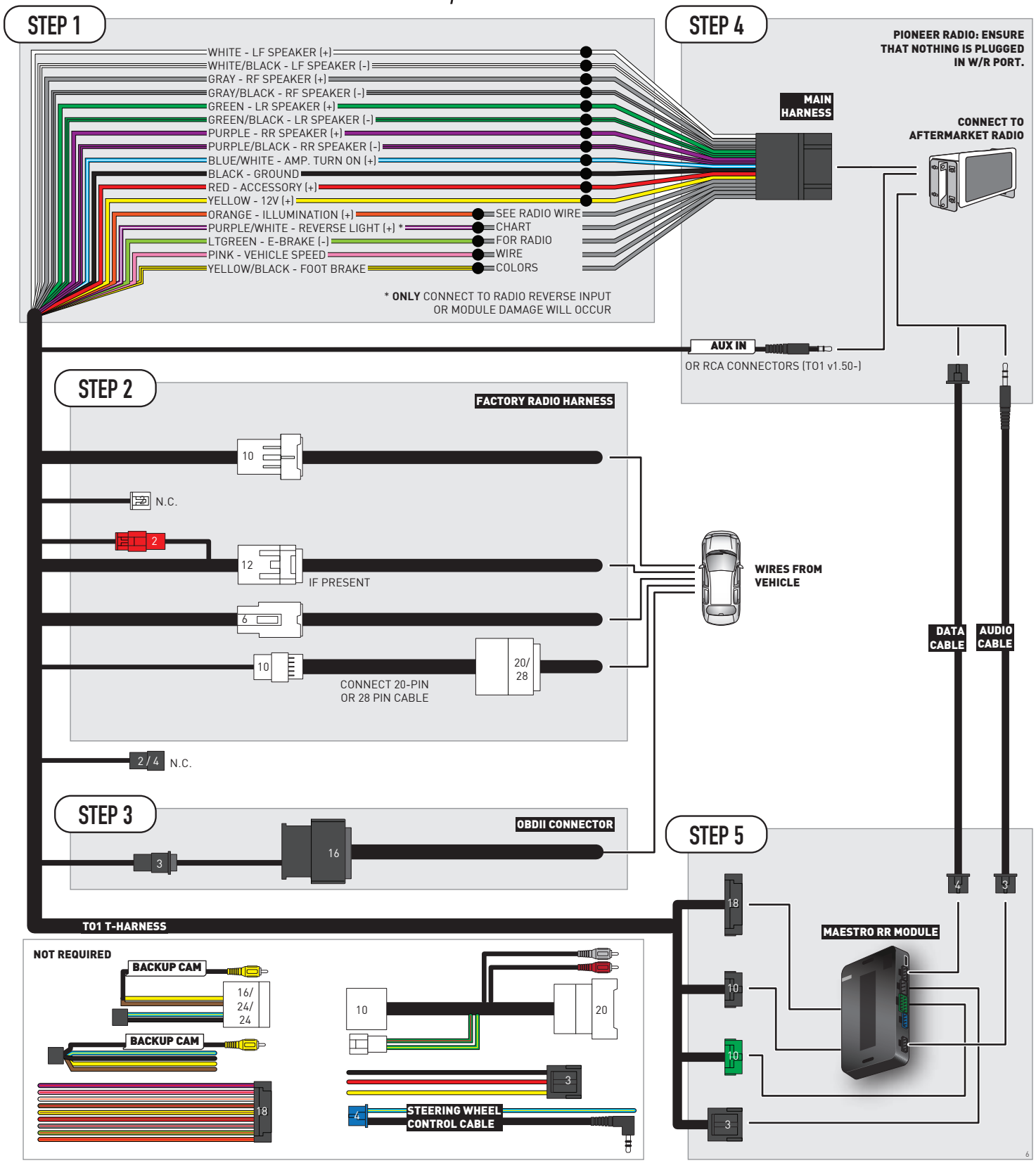
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2013-2014
TOYOTA VENZA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wiring diagram and wire chart for details).

STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

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 (if equipped).
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

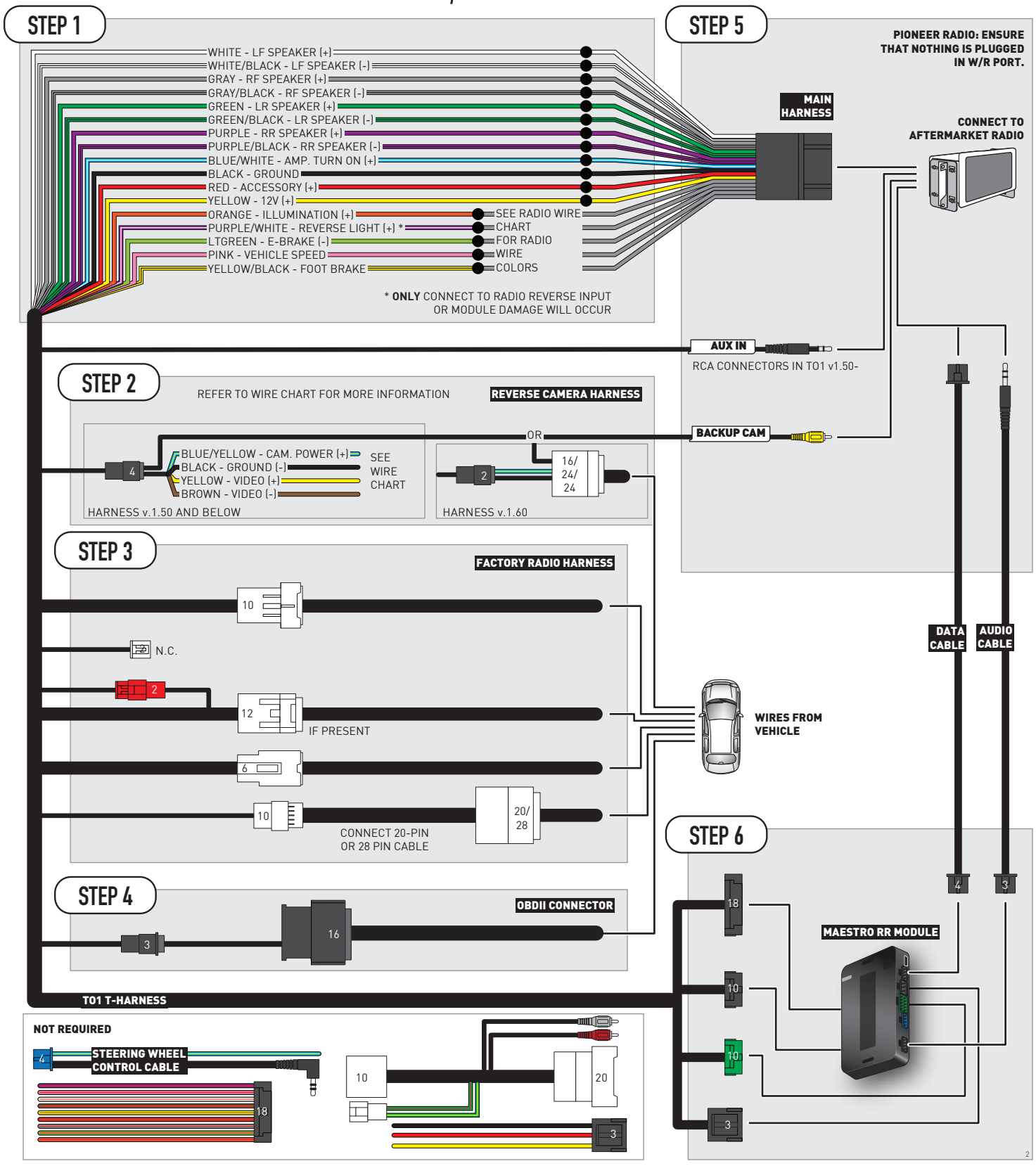
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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

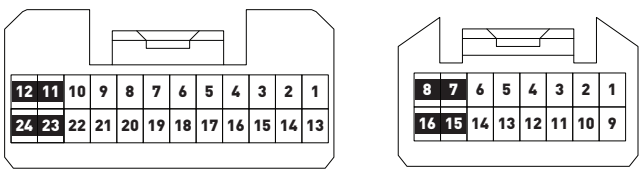
VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2007-2011
TOYOTA YARIS

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

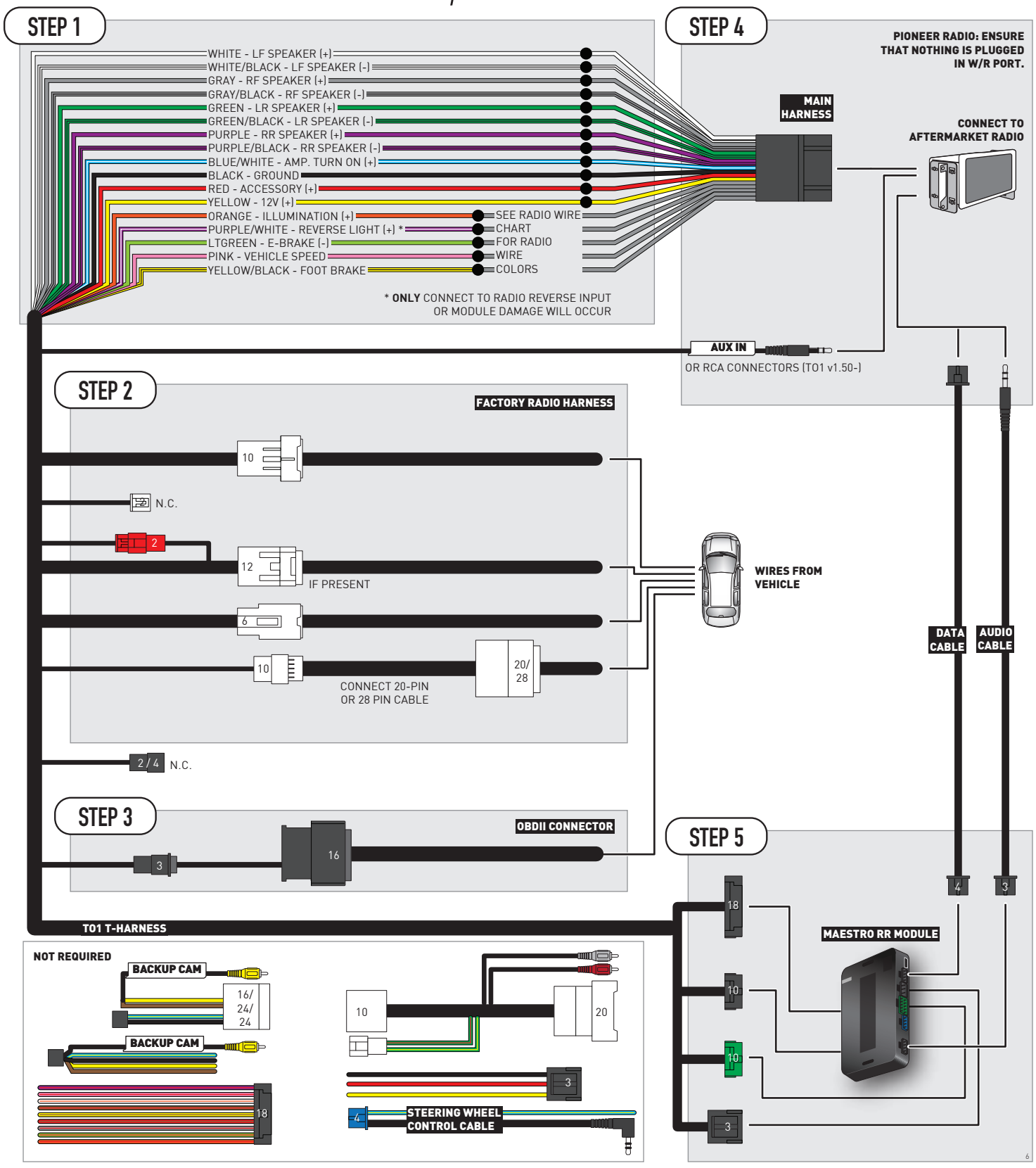
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.

INSTALL GUIDE

2012-2018
TOYOTA YARIS

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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

Installation Instructions	3
Wiring Diagram	4
Wire Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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 TO1 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

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble TO1 T-harness as shown on wiring diagram. Connect the factory harness to the TO1 T-harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the AUX cable(s) into the aftermarket radio (if equipped).
- 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).

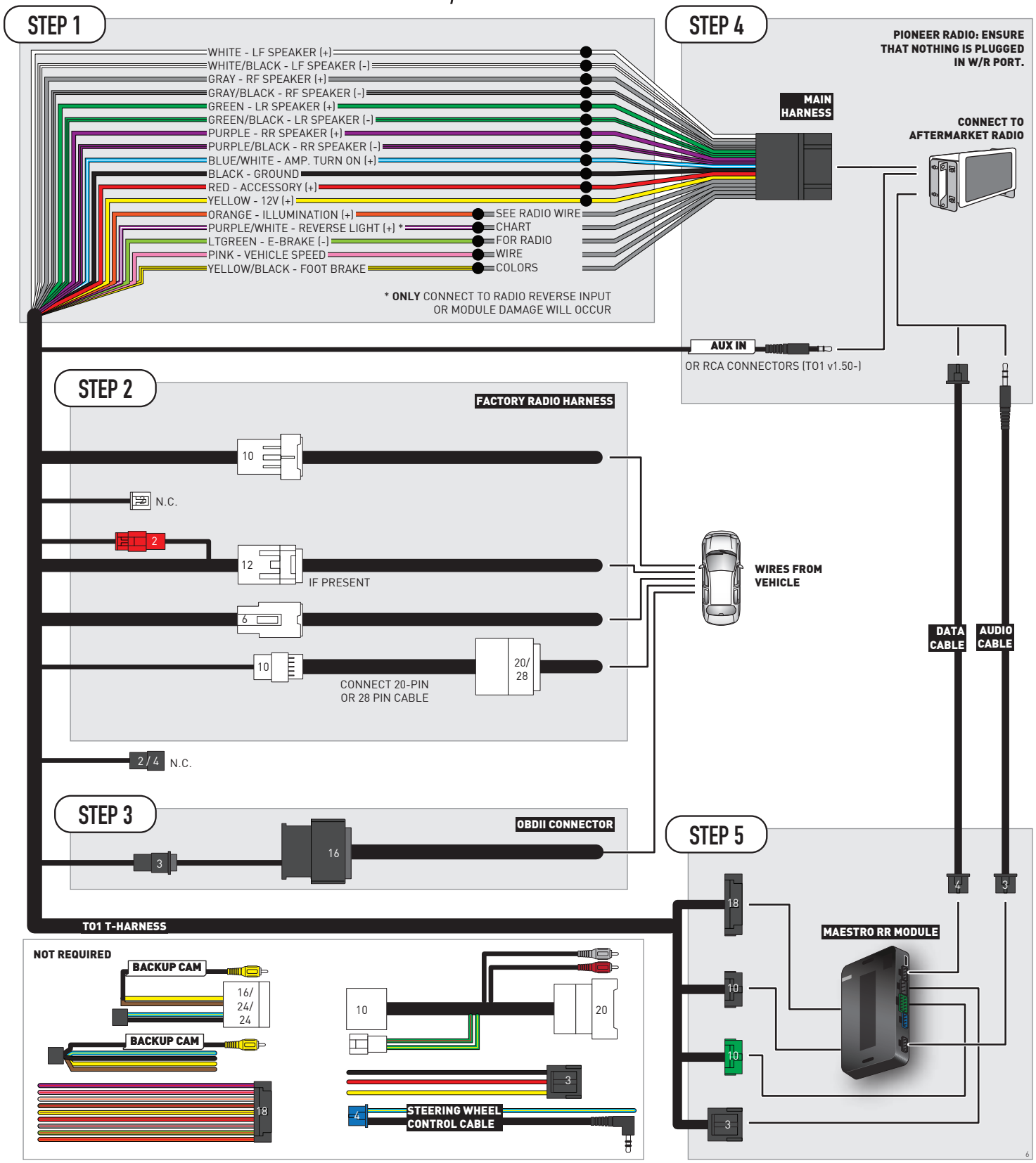
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

6

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 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 NOT 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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII 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.
The light on the Maestro is blinking **RED TWICE** and the radio **IS** turning on.	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 the 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.
The steering wheel controls are not working, the Maestro RR does not blink when they are pressed.	Ensure the 20 or 28-pin connector is plugged to the vehicle and to the TO1 T-harness, as shown in step 3 (this is where the RR gets the steering wheel signal from the vehicle).
(Prius only) After the car is turned off, the radio stays on. The car stays in accessory mode and will not turn off.	Locate the white 12-pin connector of the TO1 harness, it is connected to the vehicle harness. Then, cut and isolate the red wire located at pin 11. The radio will shut off when the vehicle is turned off.

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.