



HOW TO USE THIS INSTALL GUIDE

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

WARNING

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

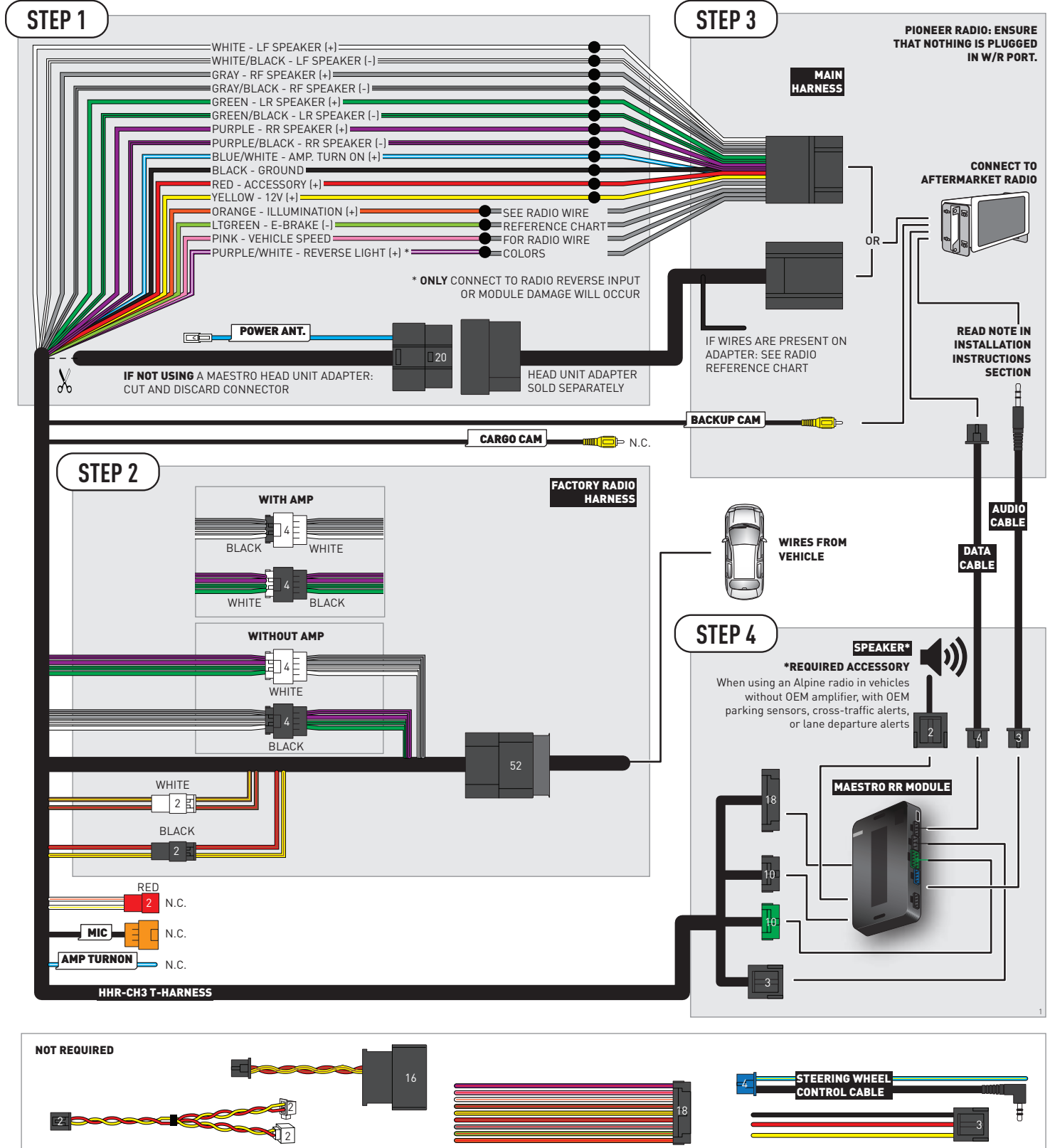
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

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

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- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

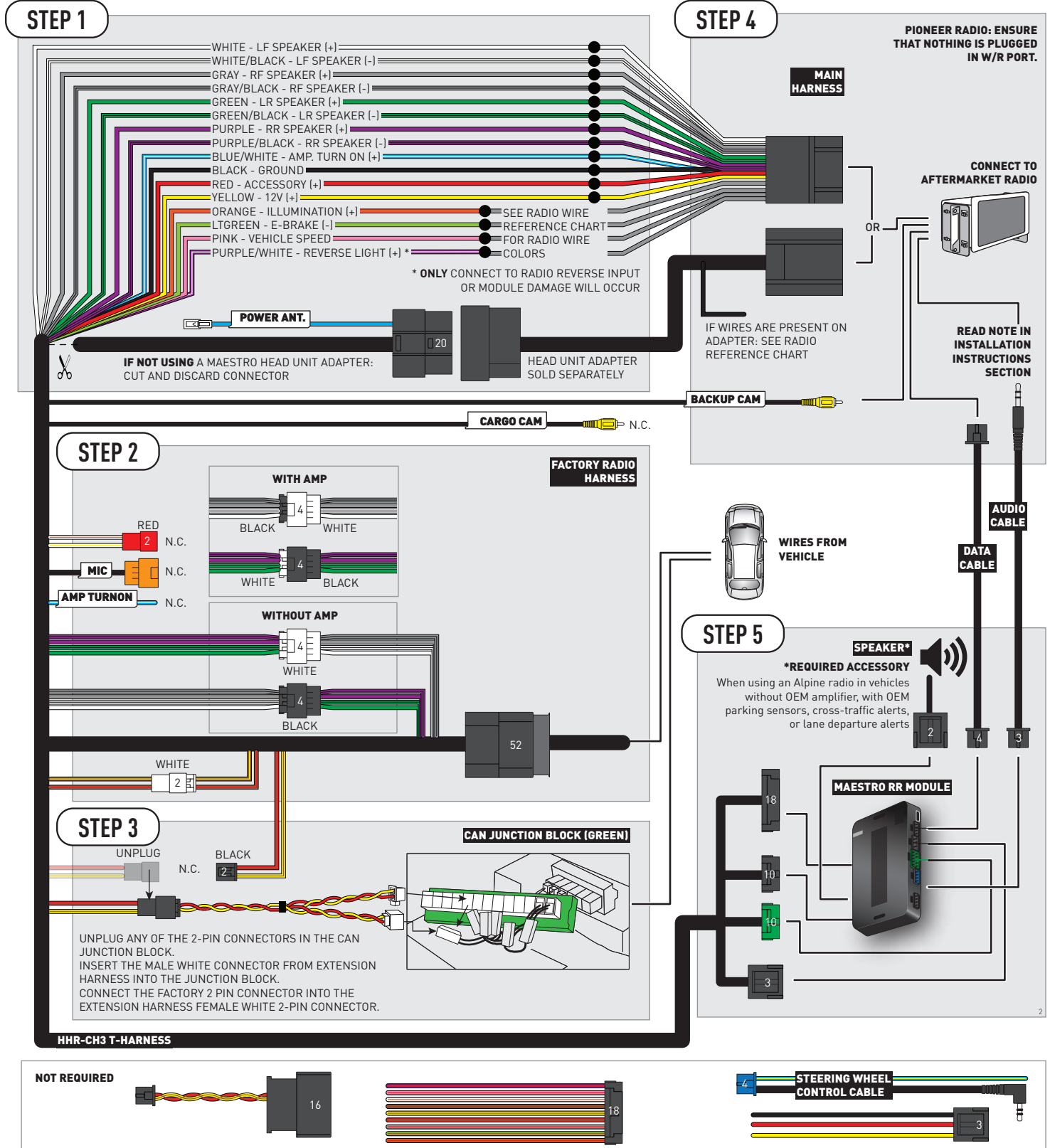
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
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ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

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E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
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MAESTRO RR RESET PROCEDURE:

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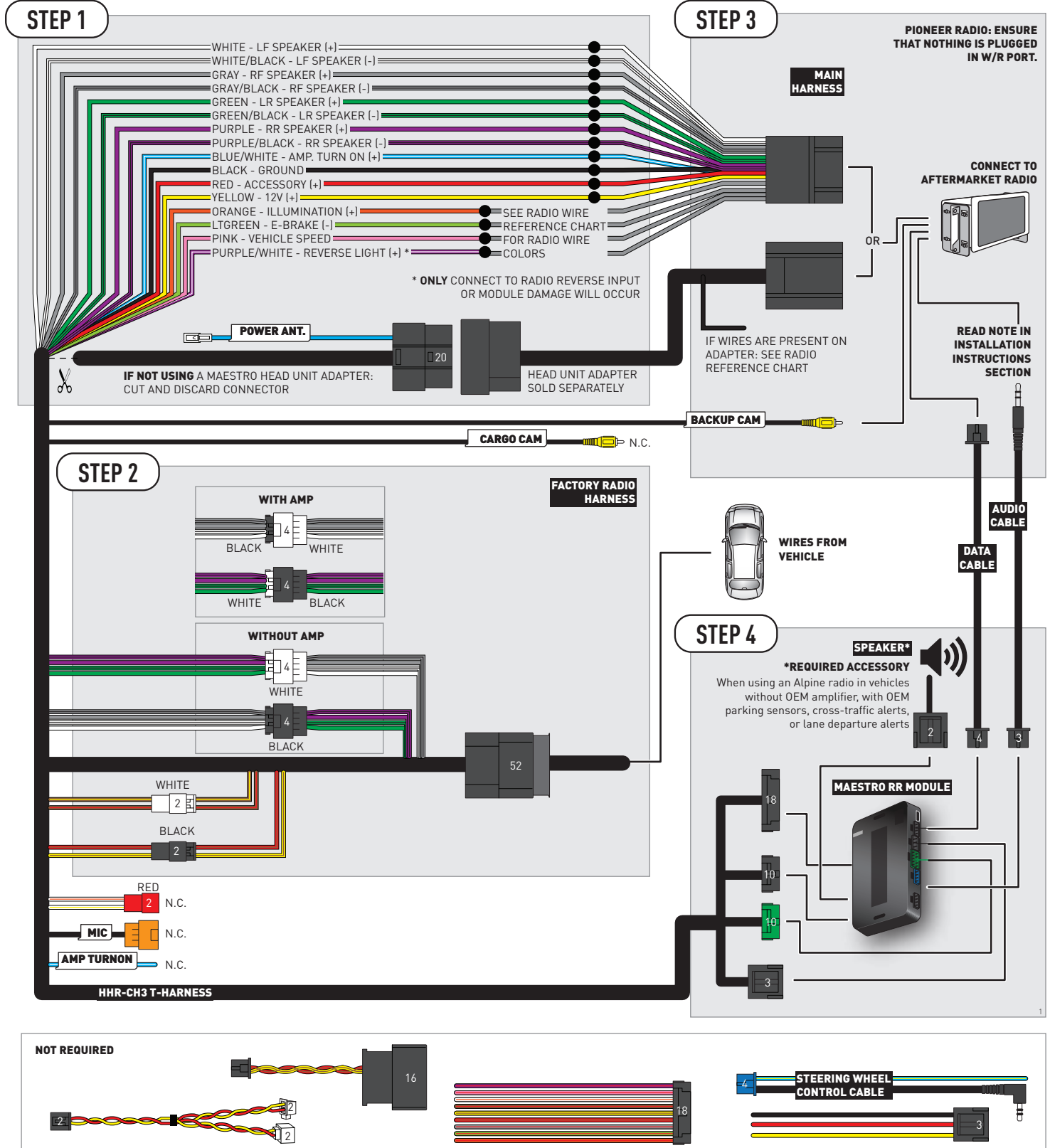
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- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

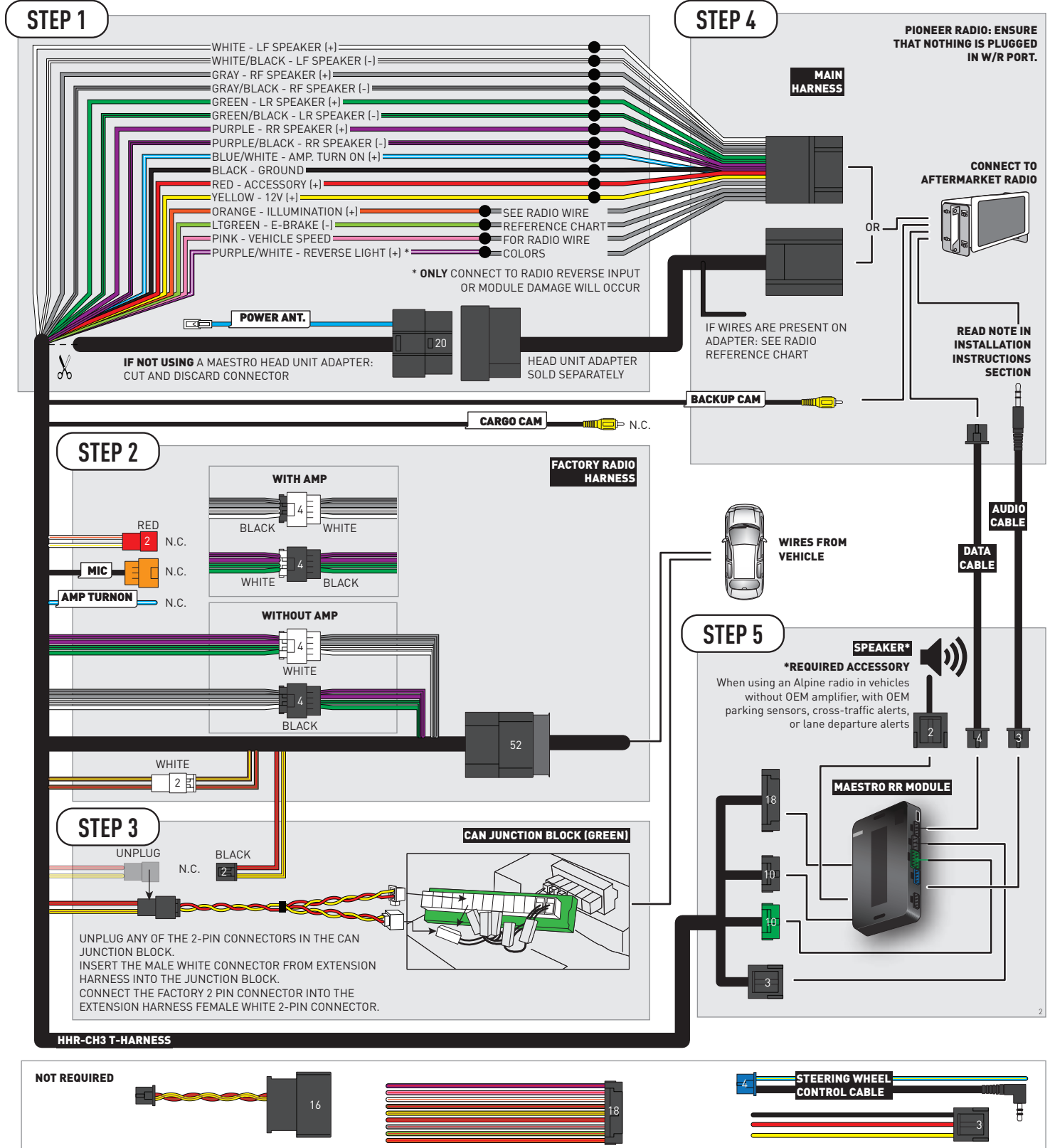
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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.

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

NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

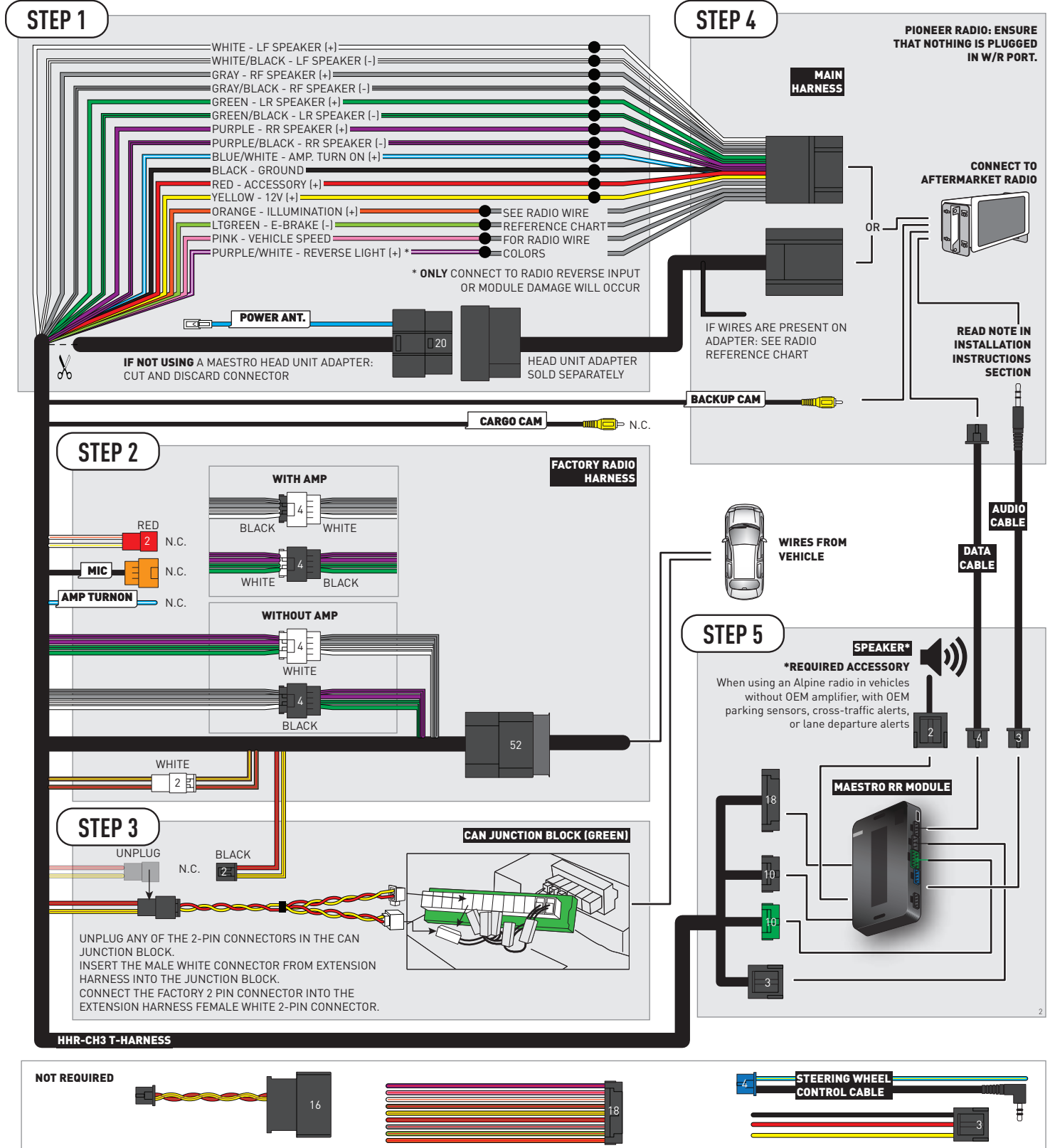
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STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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[Radar Installation Guides](#)

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

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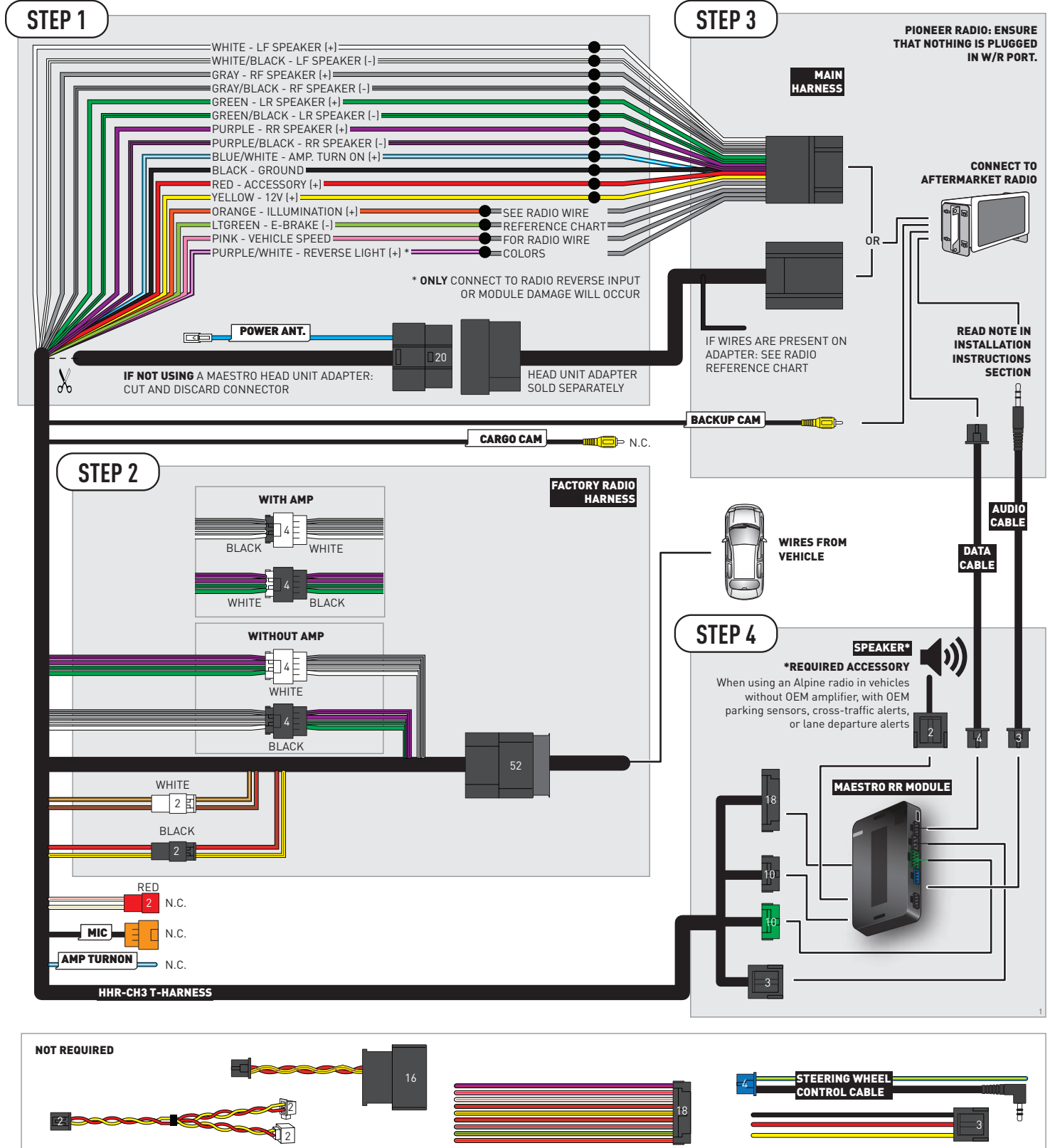
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WIRING DIAGRAM



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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CAM	(+)	Green/Red	Refer to camera/radio manual
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ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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INSTALLATION INSTRUCTIONS P1/1

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STEP 2

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- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

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- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

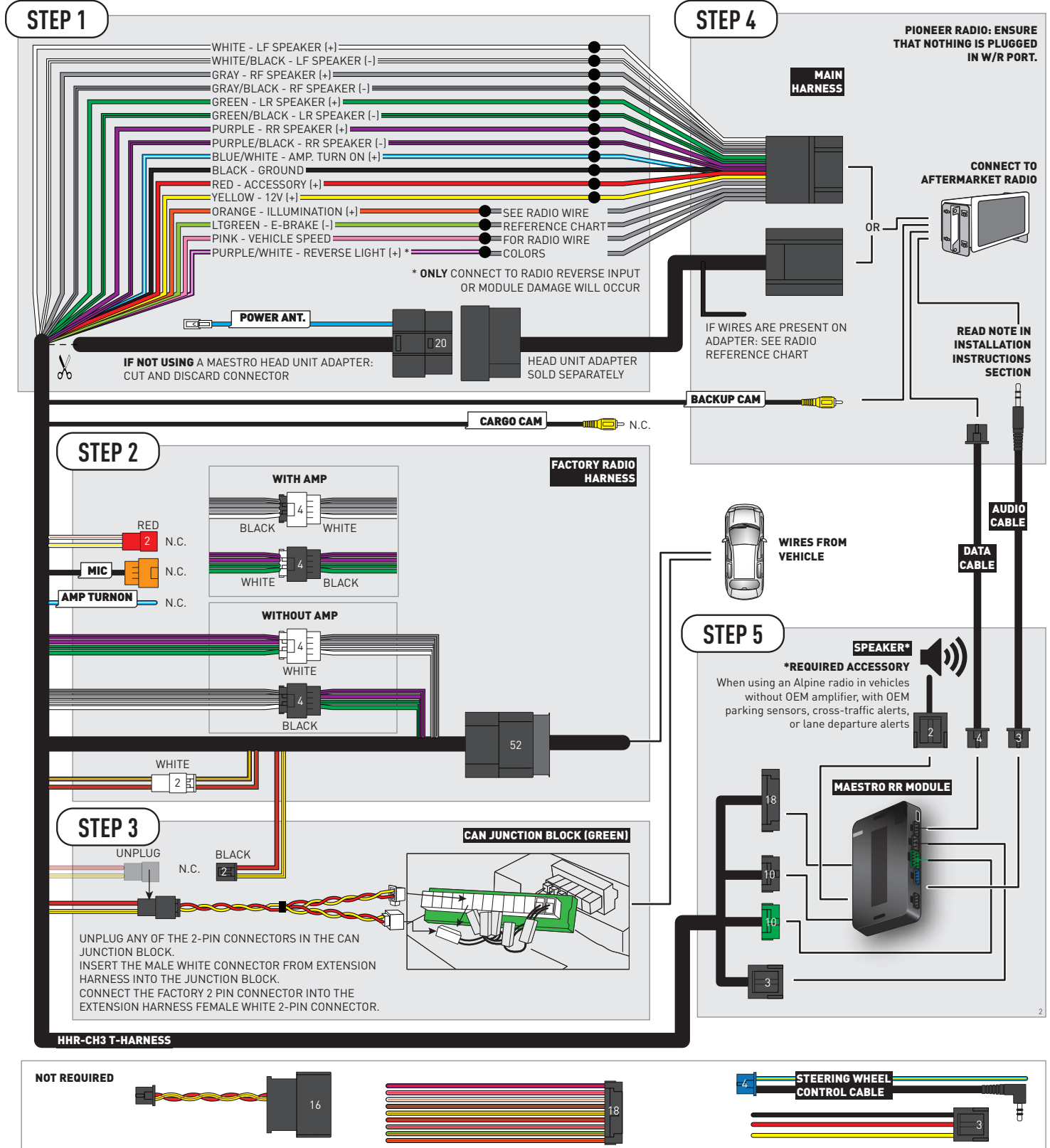
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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.

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

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[Maestro RR2 Programmable Outputs Guide](#)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

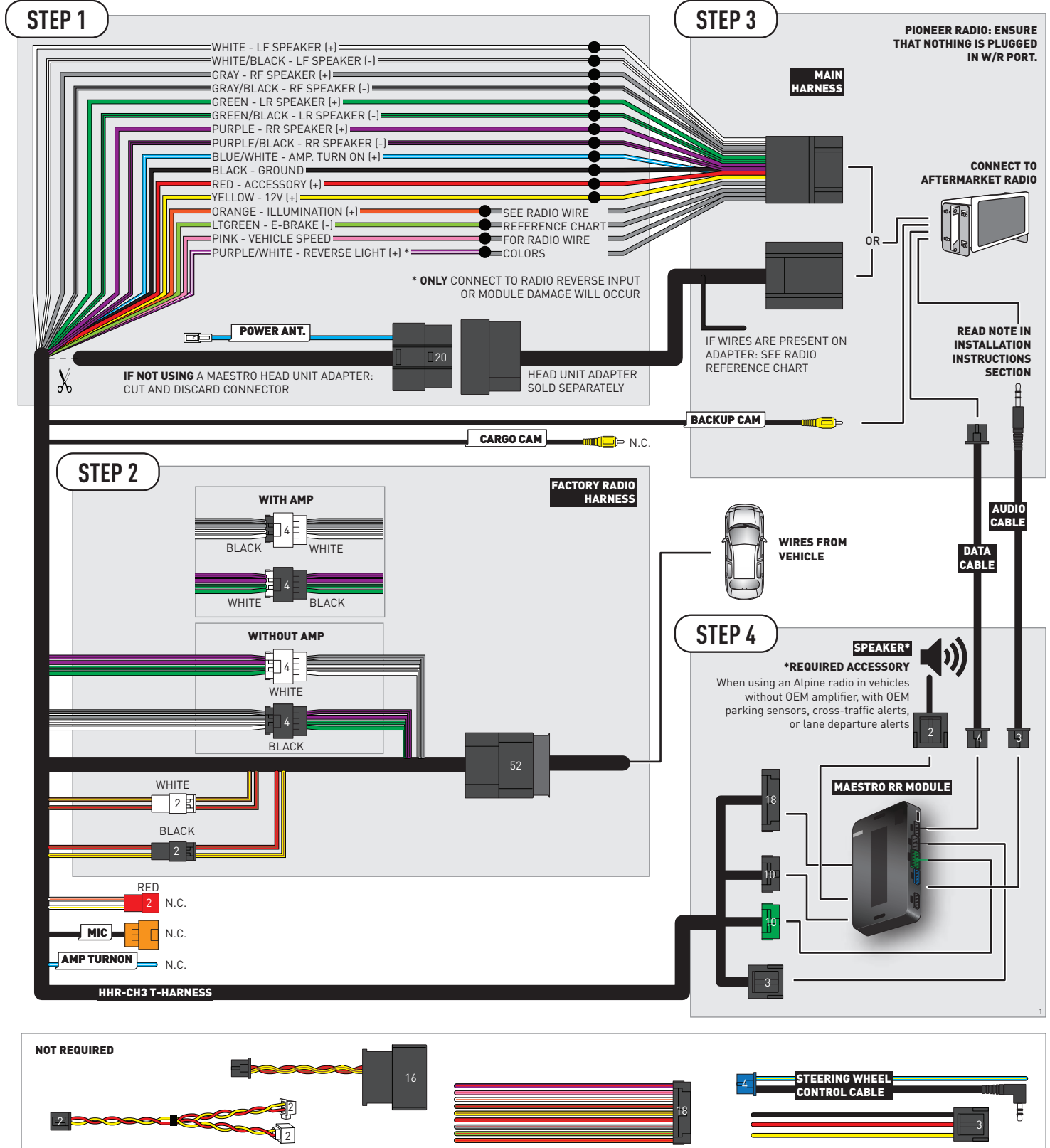
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STEP 4

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE
 Phone: 1-866-427-2999
 Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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.

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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Software to program module.

[WEBLINK](#)



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

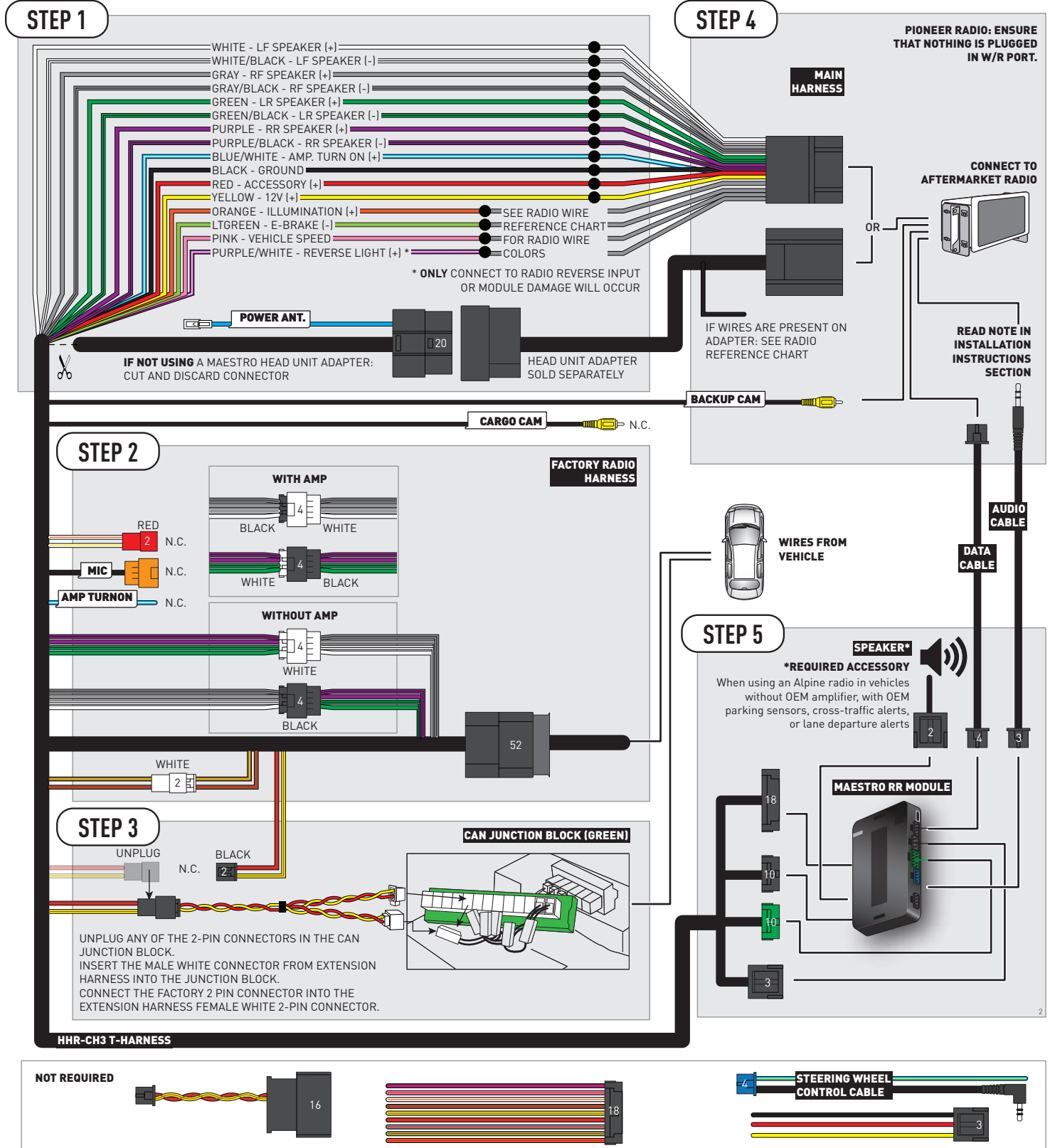
All other radio brands, ACC-SP1 is optional.

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STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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Turn the key to the OFF position, then disconnect all connectors from the module.

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Software to program module.

[WEBLINK](#)



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

STEP 2

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- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
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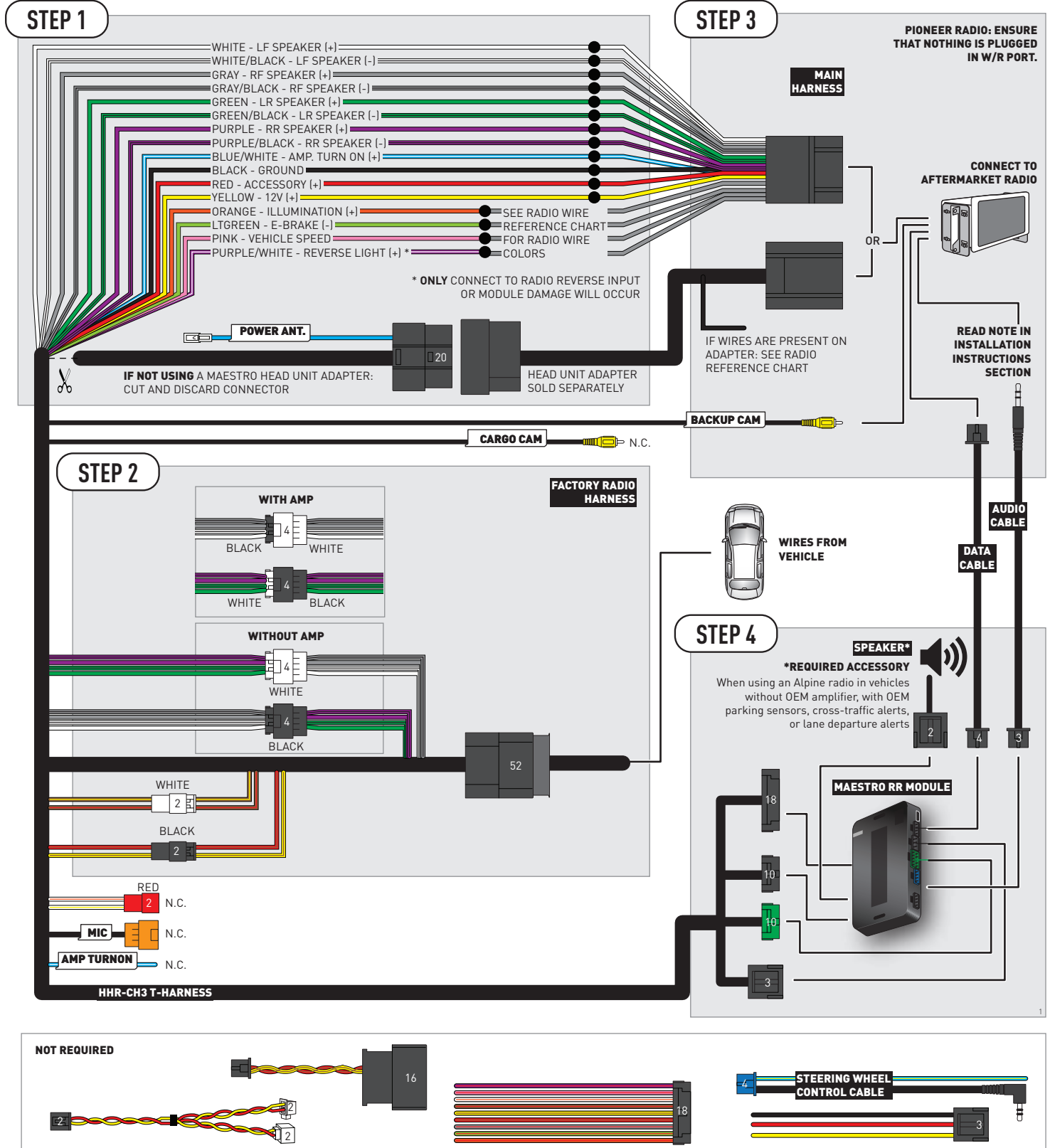
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STEP 4

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

[Maestro RR2 Programmable Outputs Guide](#)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

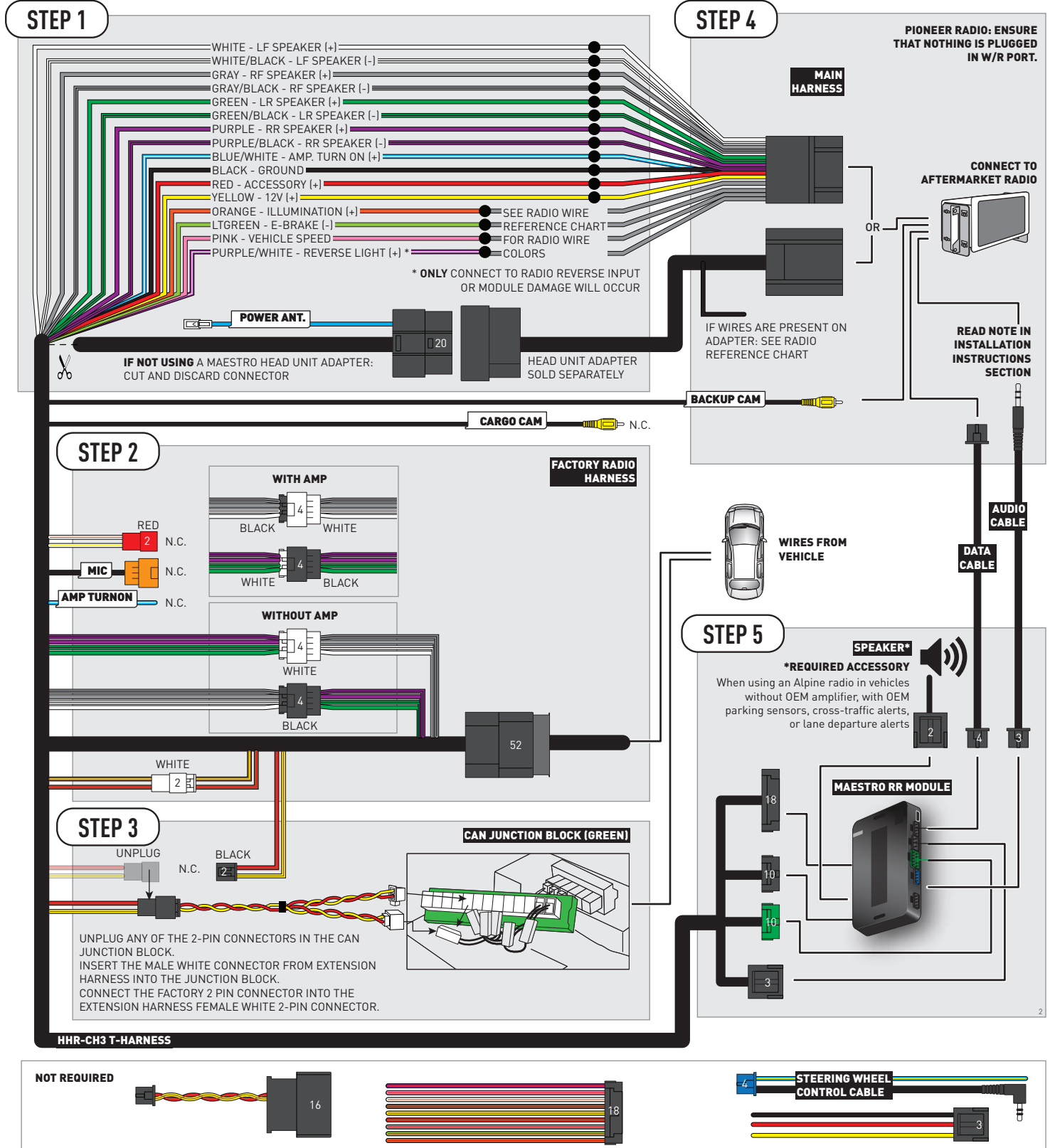
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
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MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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ADAPTER READY**

PRODUCTS REQUIRED

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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.

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

NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

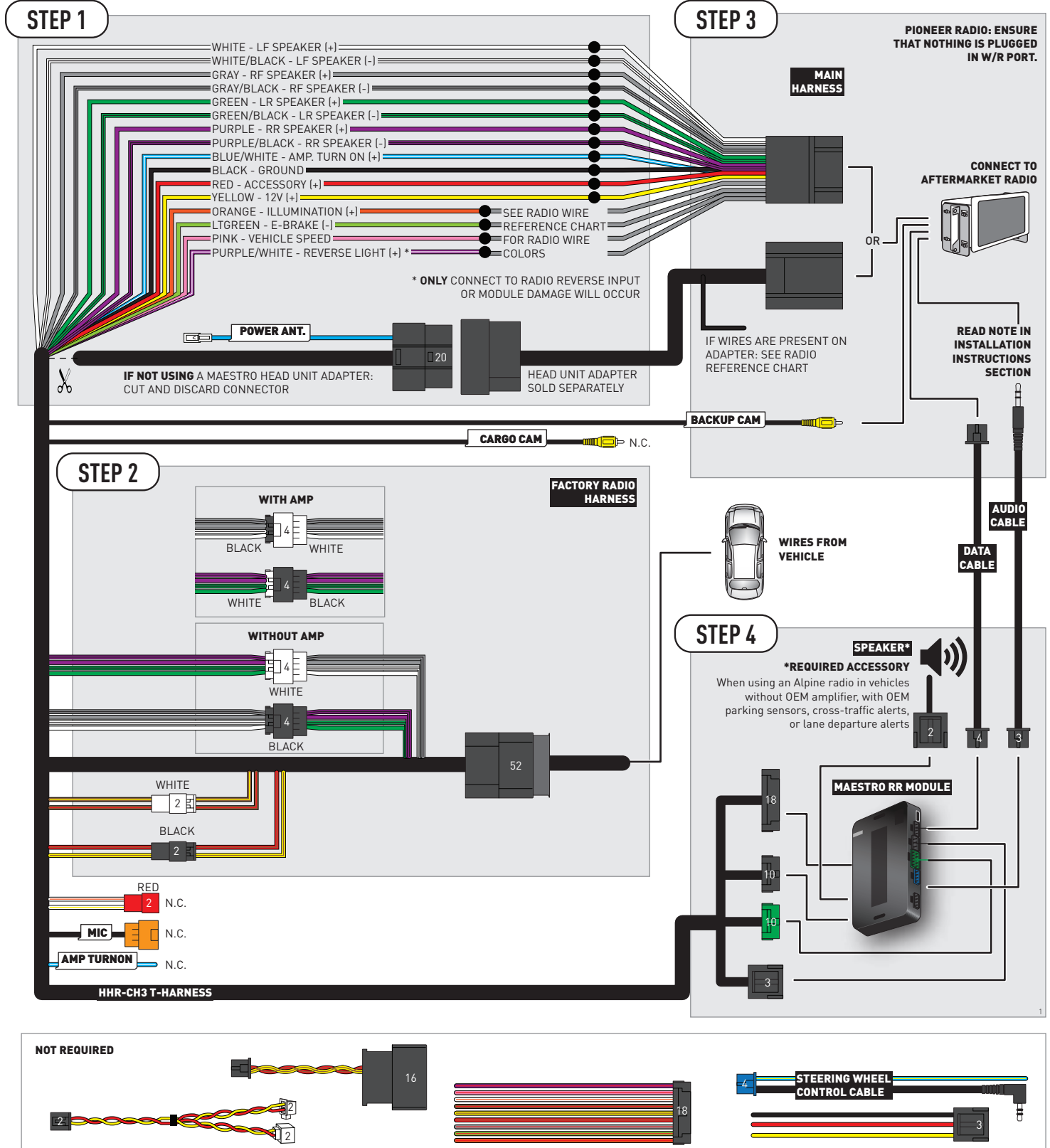
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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●		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).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

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.

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RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
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All other radio brands, ACC-SP1 is optional.

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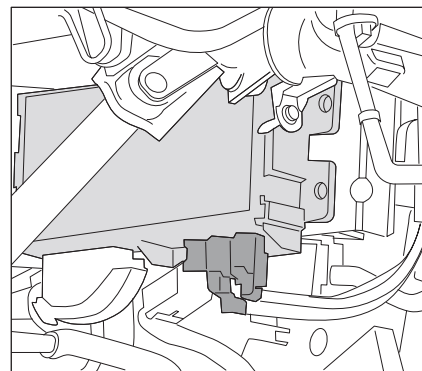
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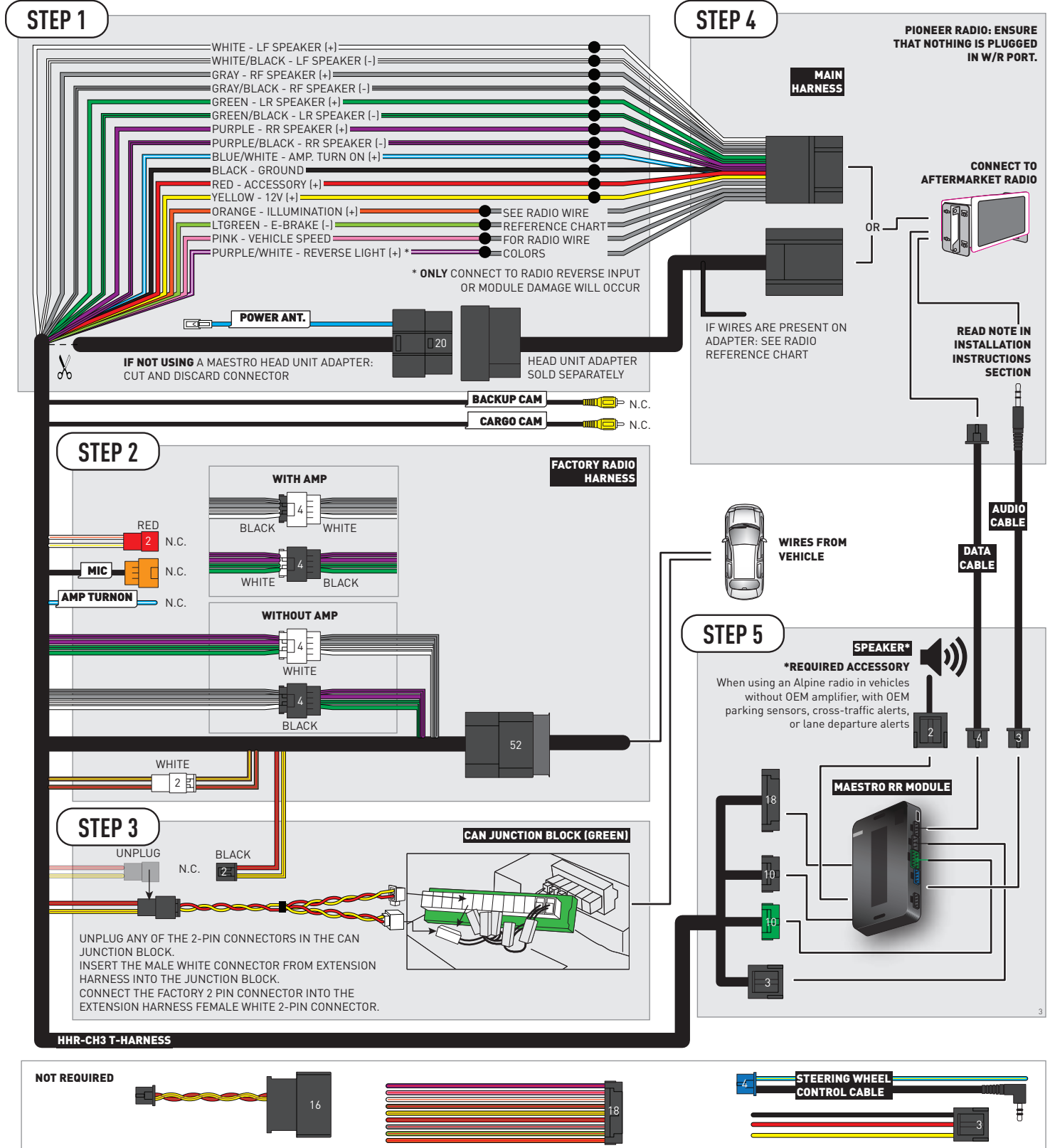
Note - 2023 Vehicle

- Telematics module (right side of the steering column) is not retained and must be unplugged at this time.

Remove the steering shroud and unplug this module. Failure to do so will result in SOS and 911 assist lights being on in the vehicle



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

[Maestro RR2 Programmable Outputs Guide](#)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

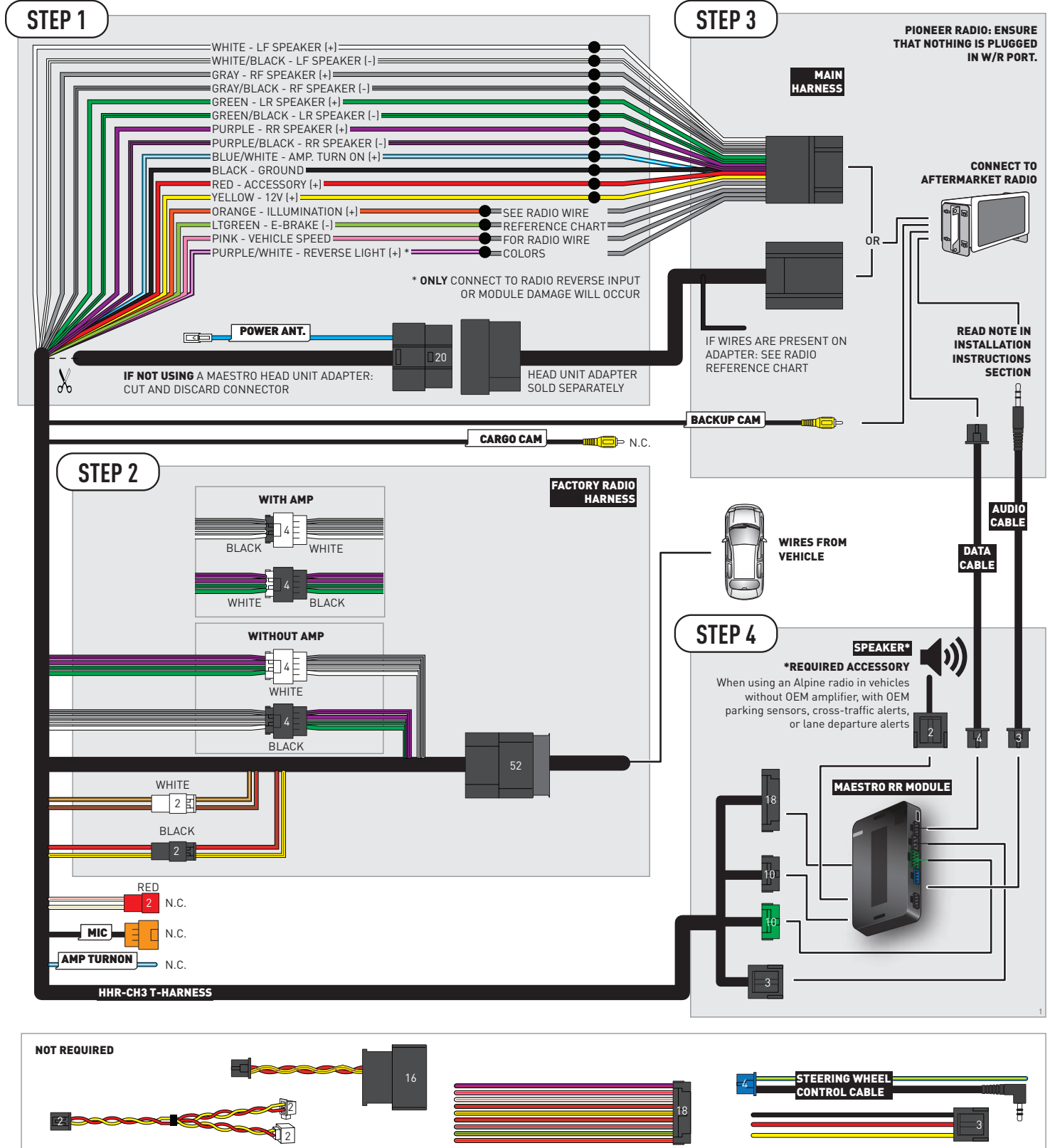
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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.

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

NEED HELP?

 1 866 427-2999

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

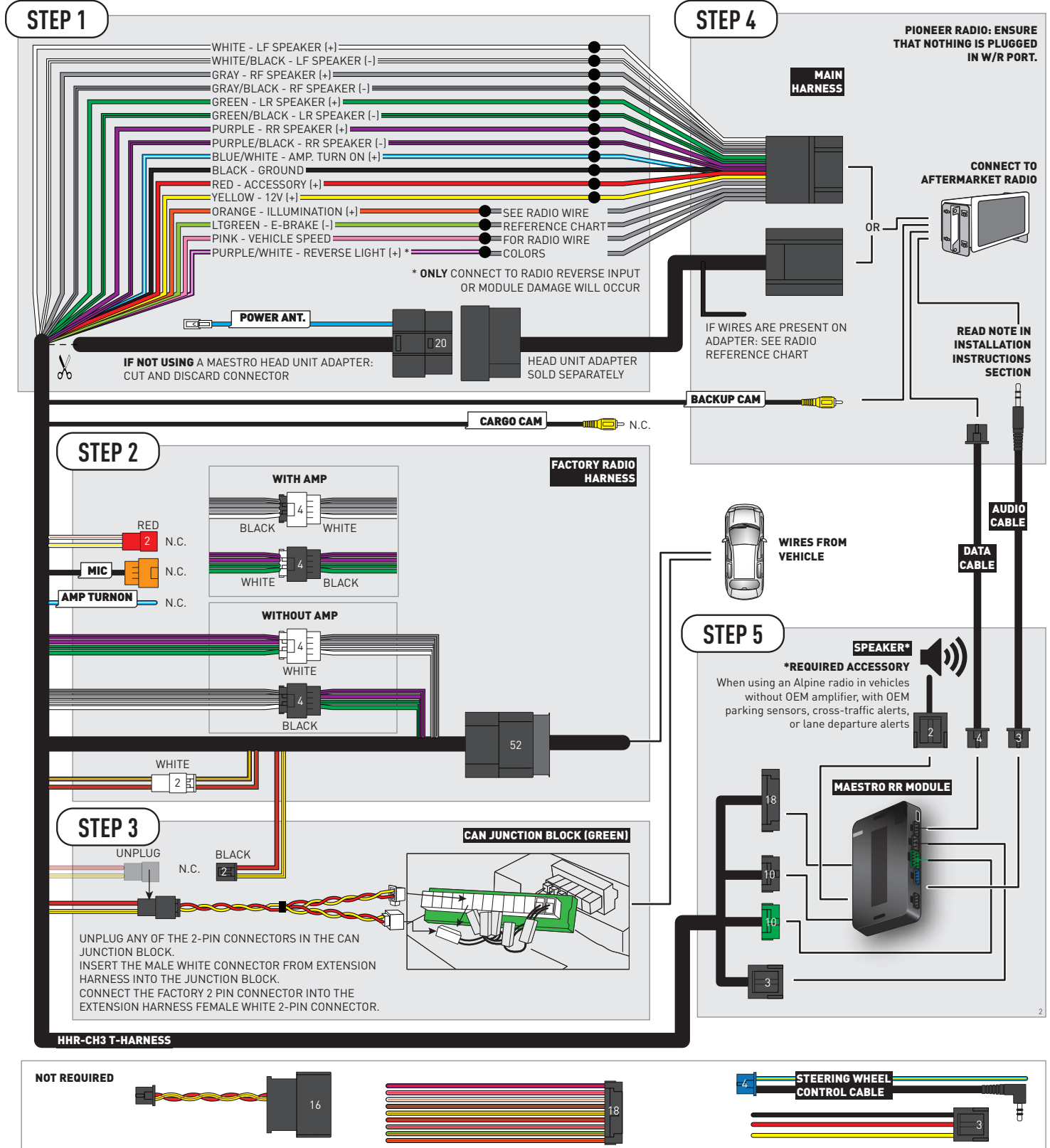
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
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The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

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

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RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
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Radar Detectors



[Radar Installation Guides](#)

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[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

INSTALLATION INSTRUCTIONS P1/1

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
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Notes:

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All other radio brands, ACC-SP1 is optional.

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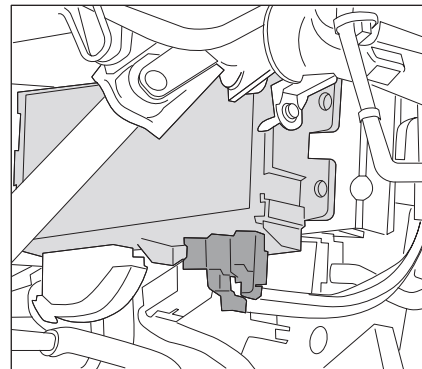
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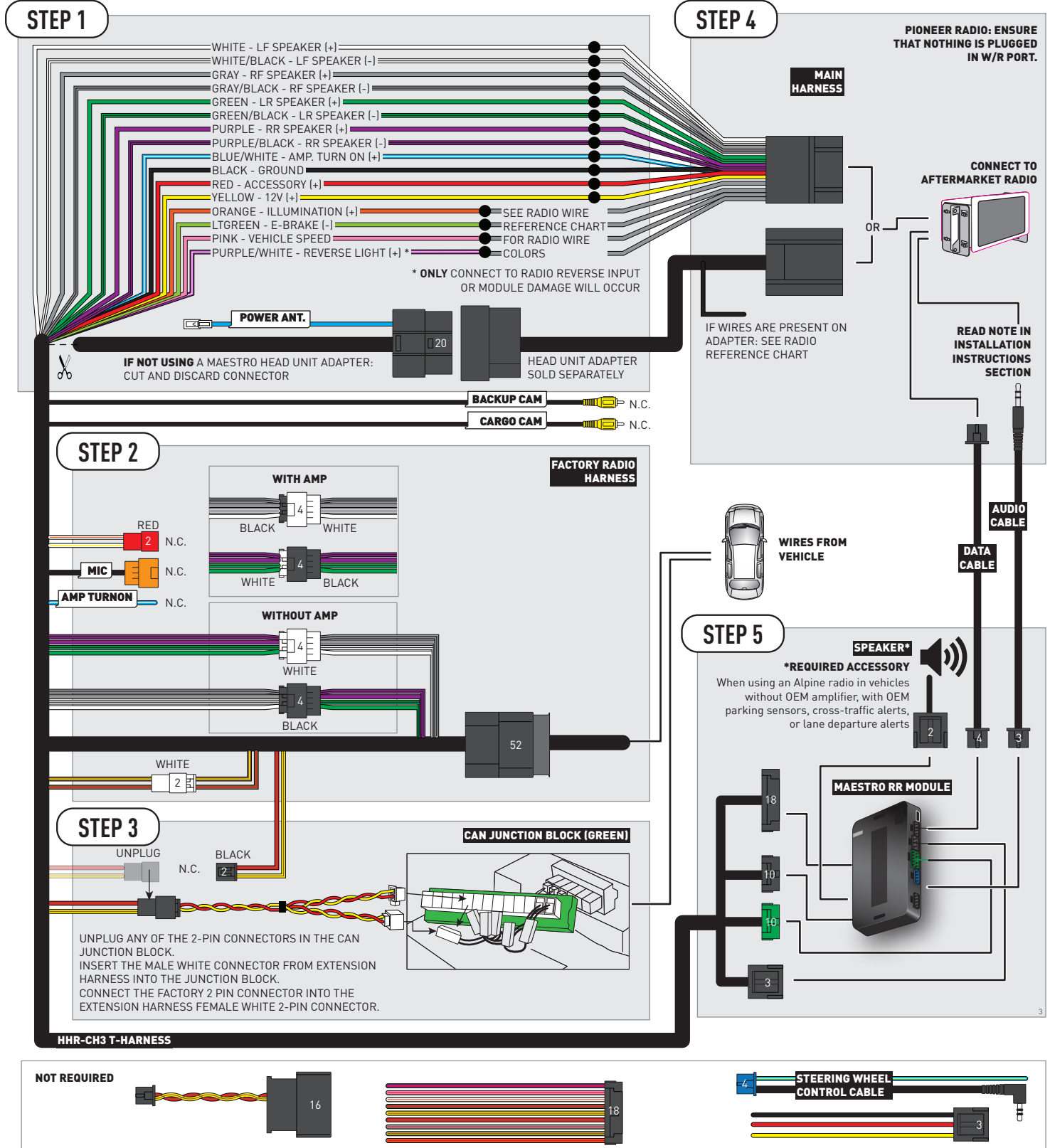
Note - 2023 Vehicle

- Telematics module (right side of the steering column) is not retained and must be unplugged at this time.

Remove the steering shroud and unplug this module. Failure to do so will result in SOS and 911 assist lights being on in the vehicle



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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

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

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

NEED HELP?

☎ 1 866 427-2999

✉ maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable 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).

Notes:

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

All other radio brands, ACC-SP1 is optional.

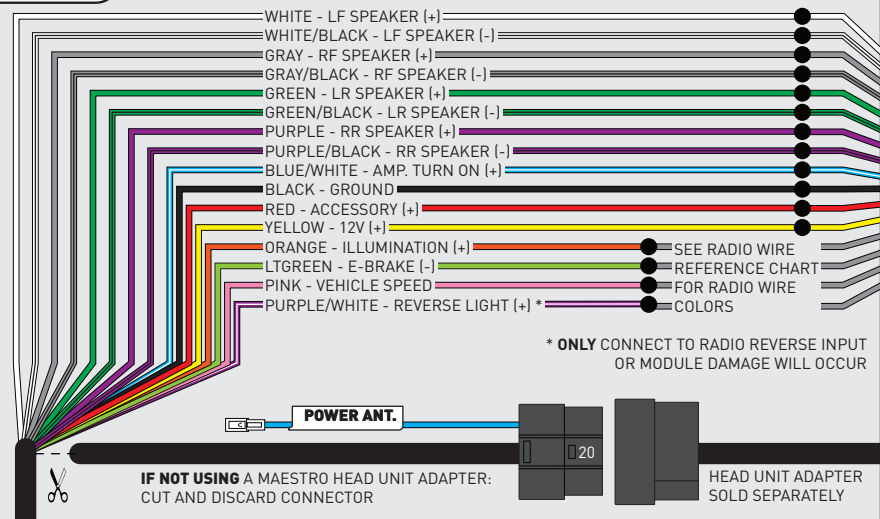
Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

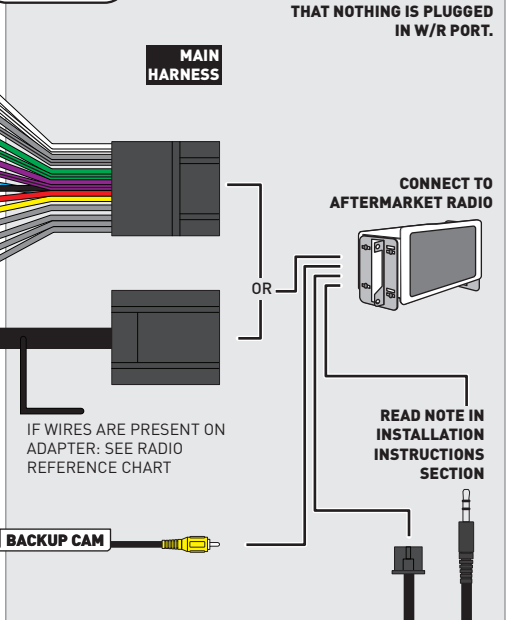
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

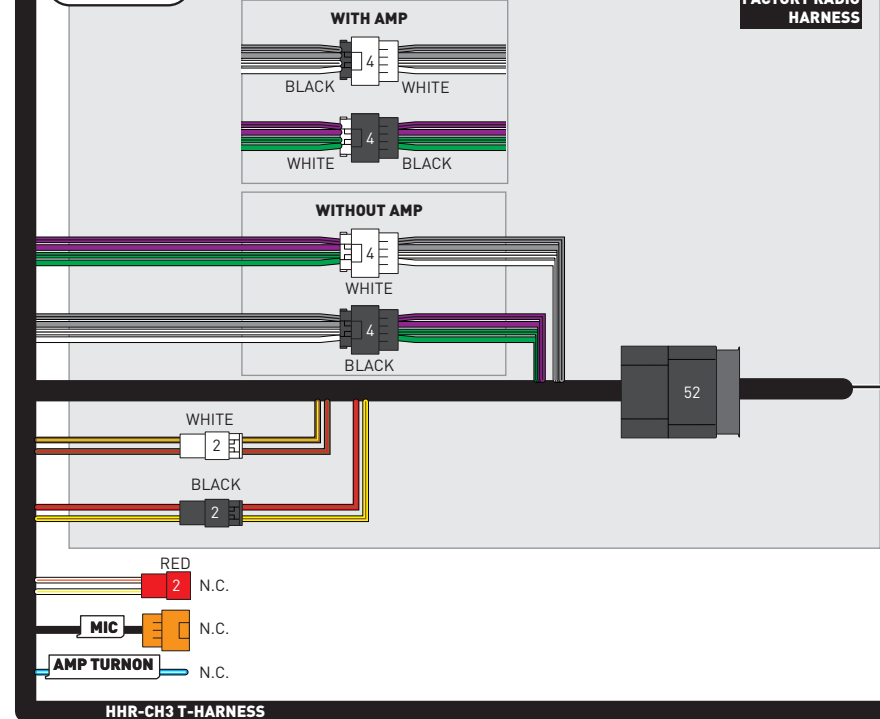
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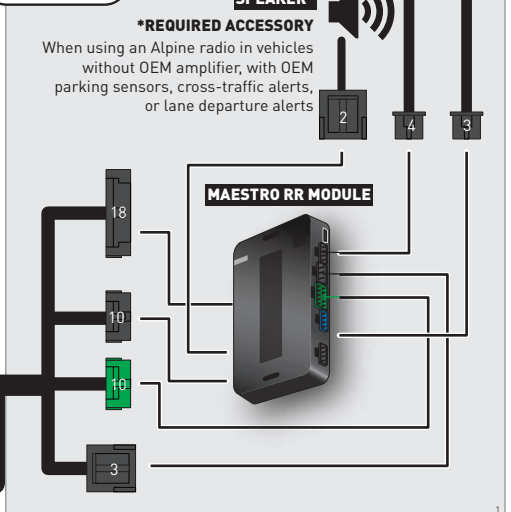
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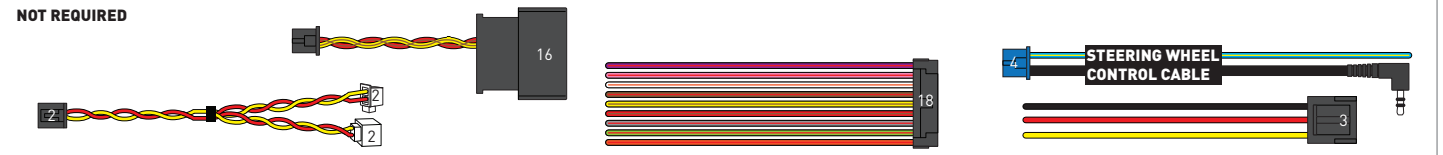
STEP 2



STEP 4



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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

NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

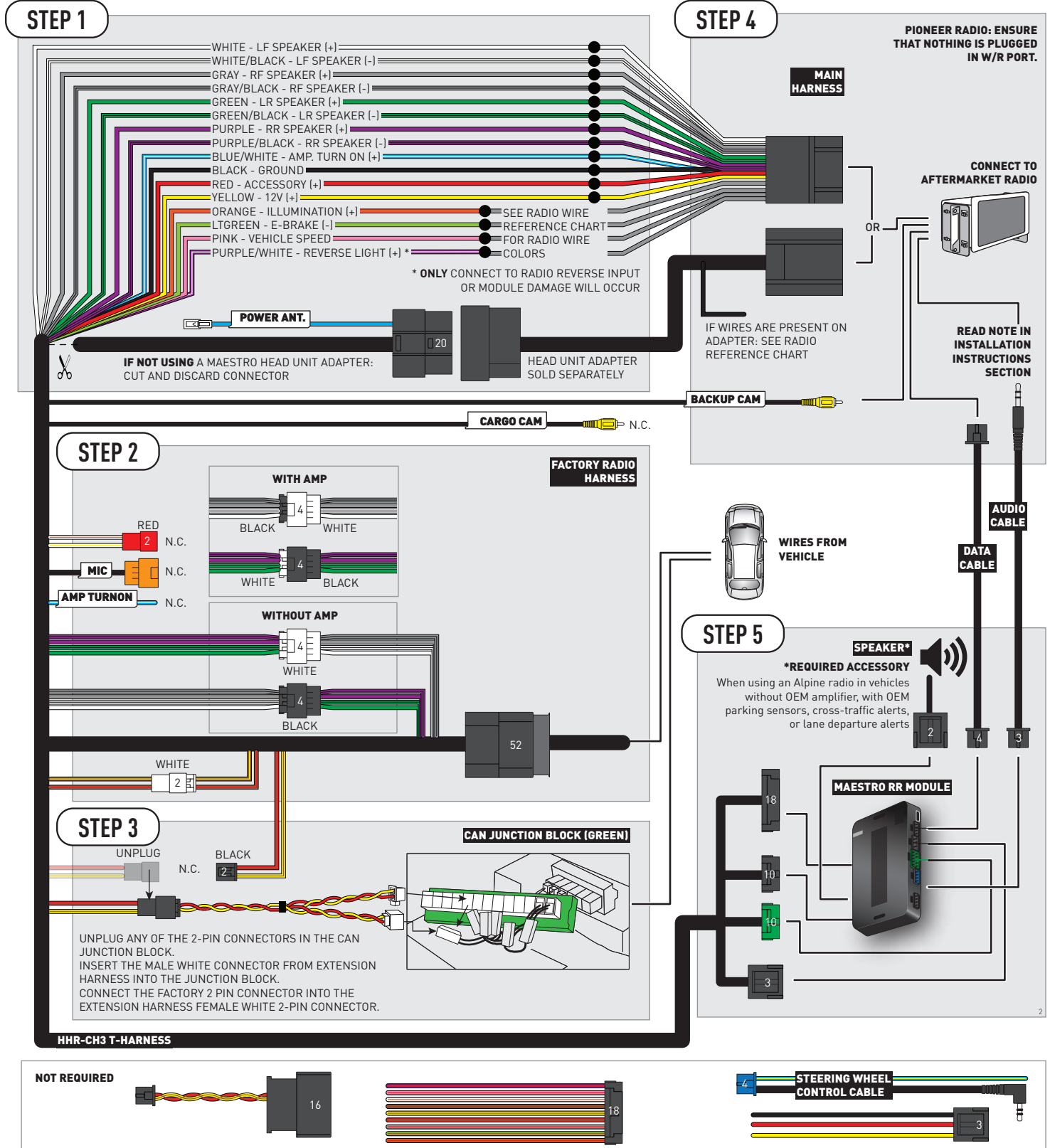
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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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).

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

Note: Currently, it is not possible to retain the OEM backup camera in this vehicle.

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

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- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
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STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.
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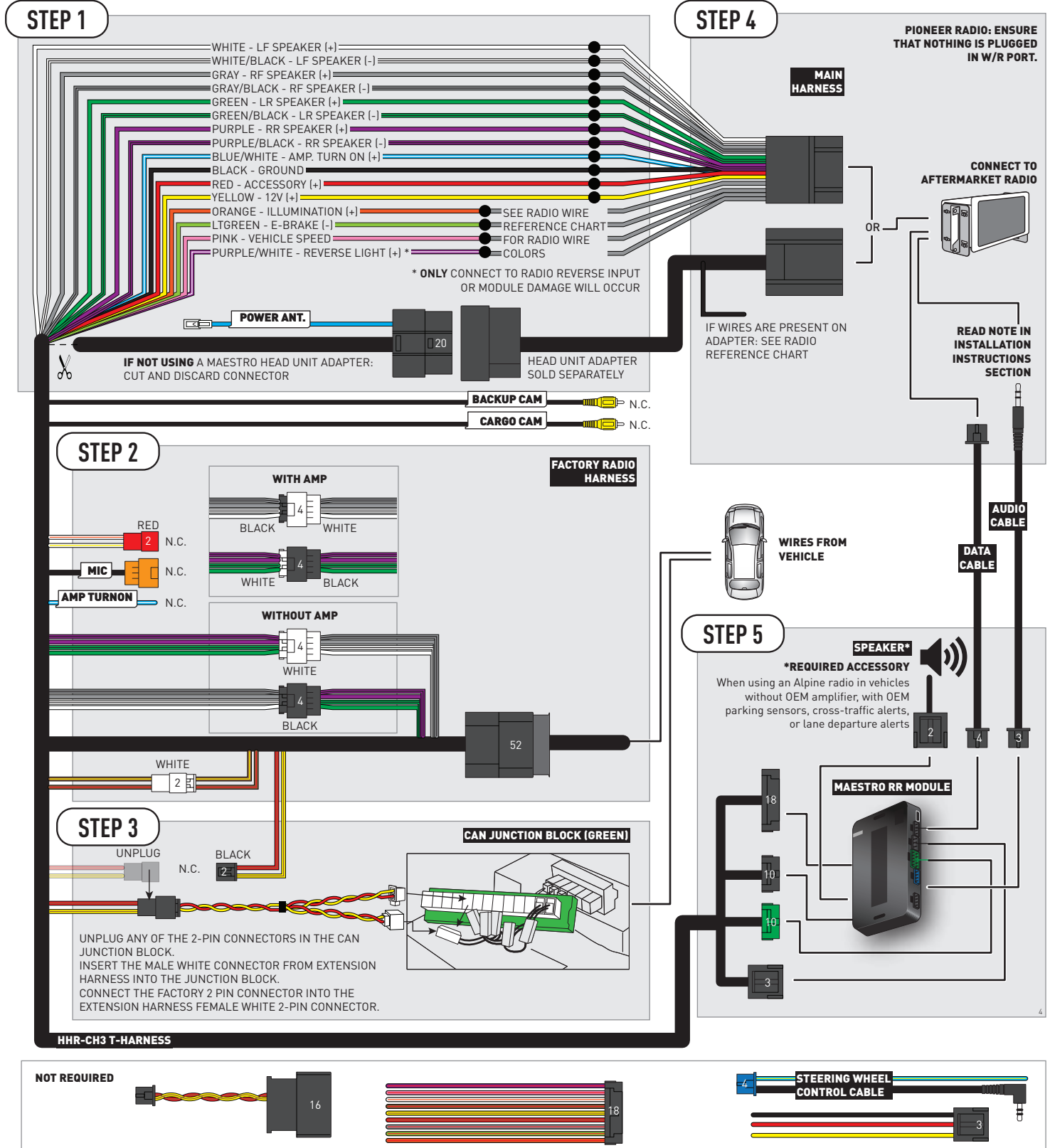
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WIRING DIAGRAM



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E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



+



HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

WELCOME

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.
- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

STEP 4

- Plug the harnesses into the aftermarket radio.

- Connect the backup cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

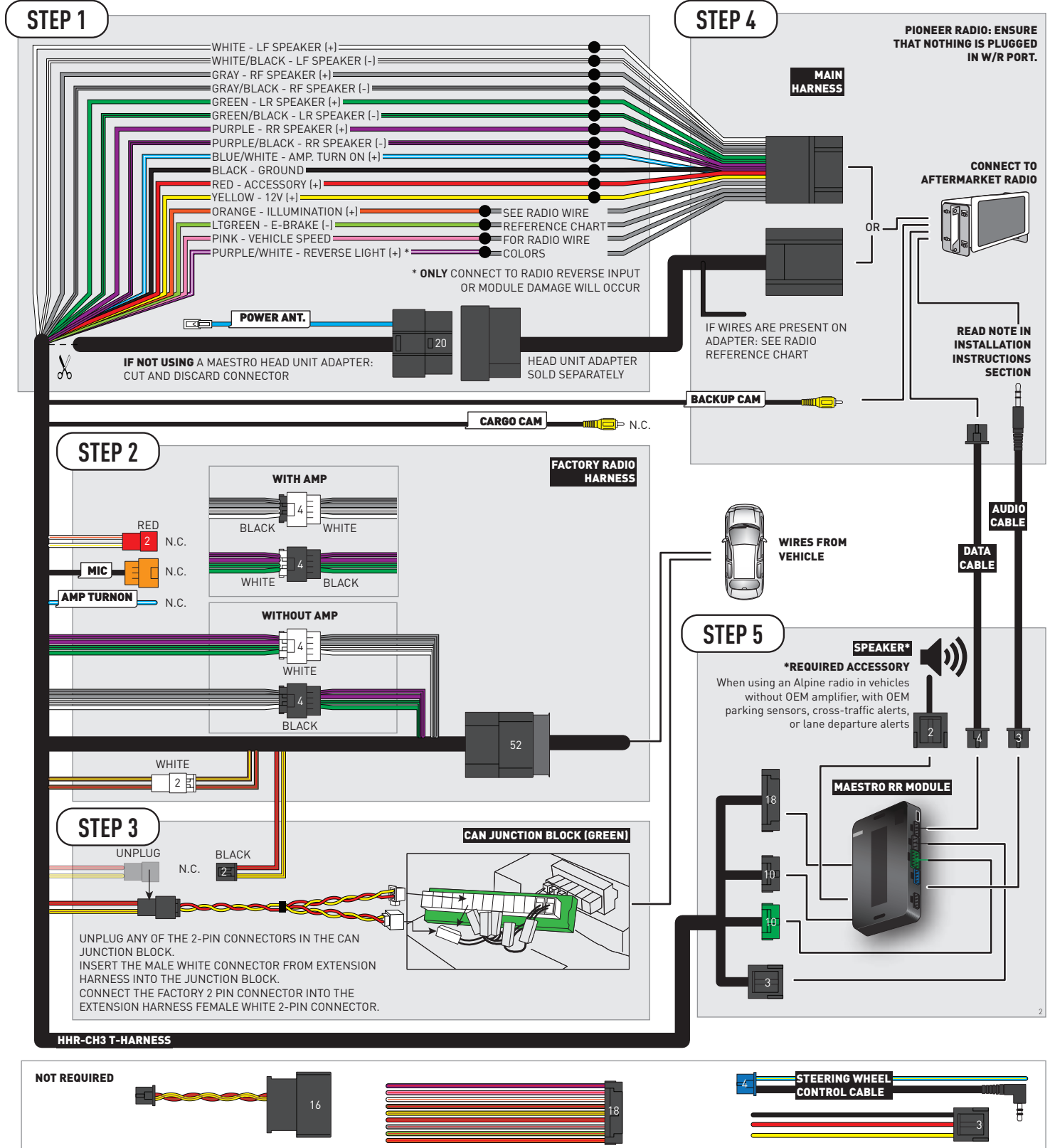
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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ACC-SP1
(Chime speaker)

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

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- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable into the aftermarket radio (if equipped).
- Connect the cargo cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

All other radio brands, ACC-SP1 is optional.

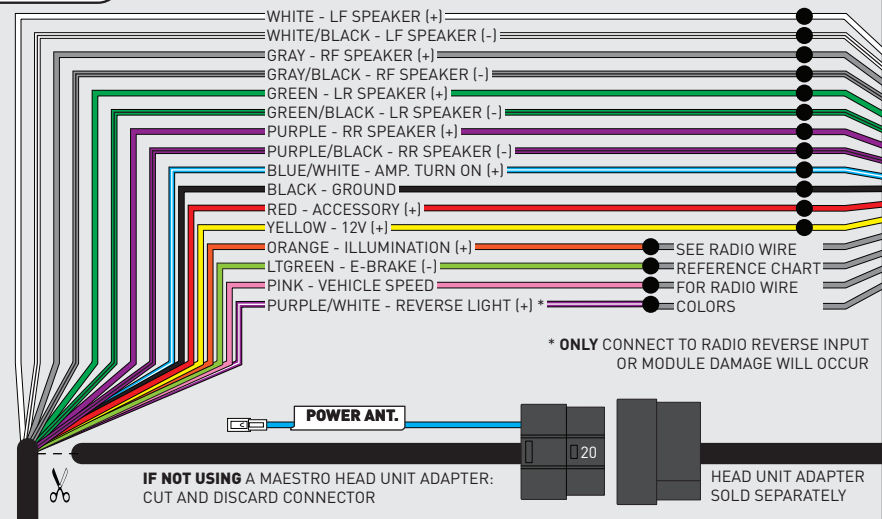
Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

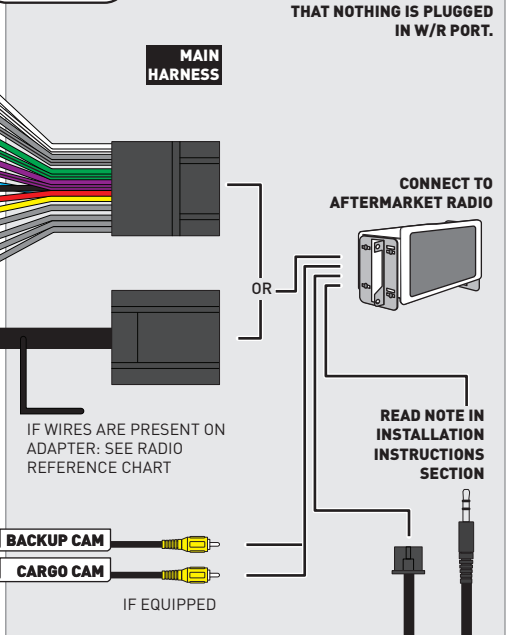
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WIRING DIAGRAM

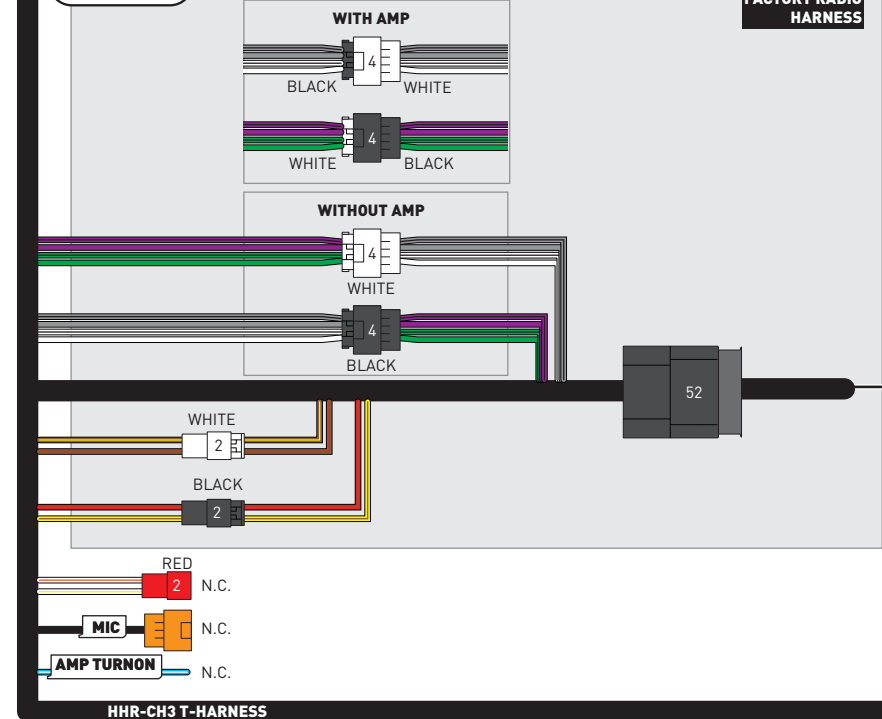
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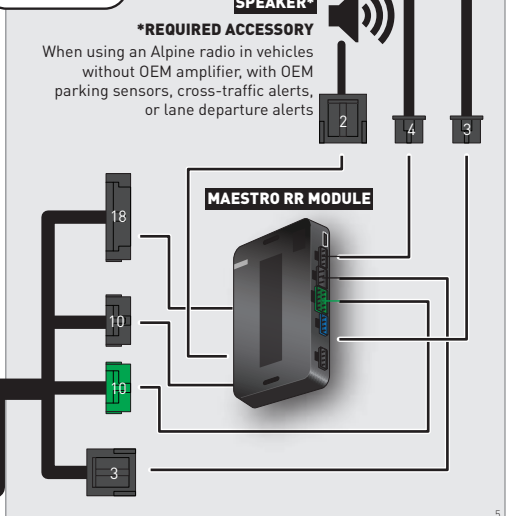
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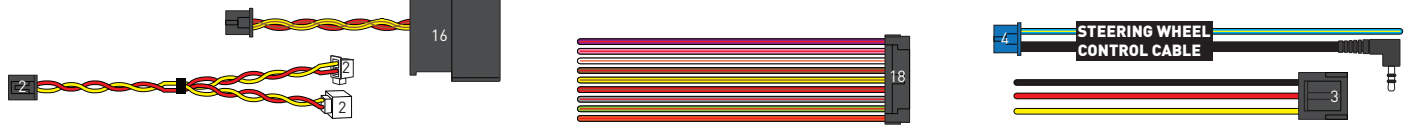
STEP 2



STEP 4



NOT REQUIRED



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
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Turn the key to the OFF position, then disconnect all connectors from the module.

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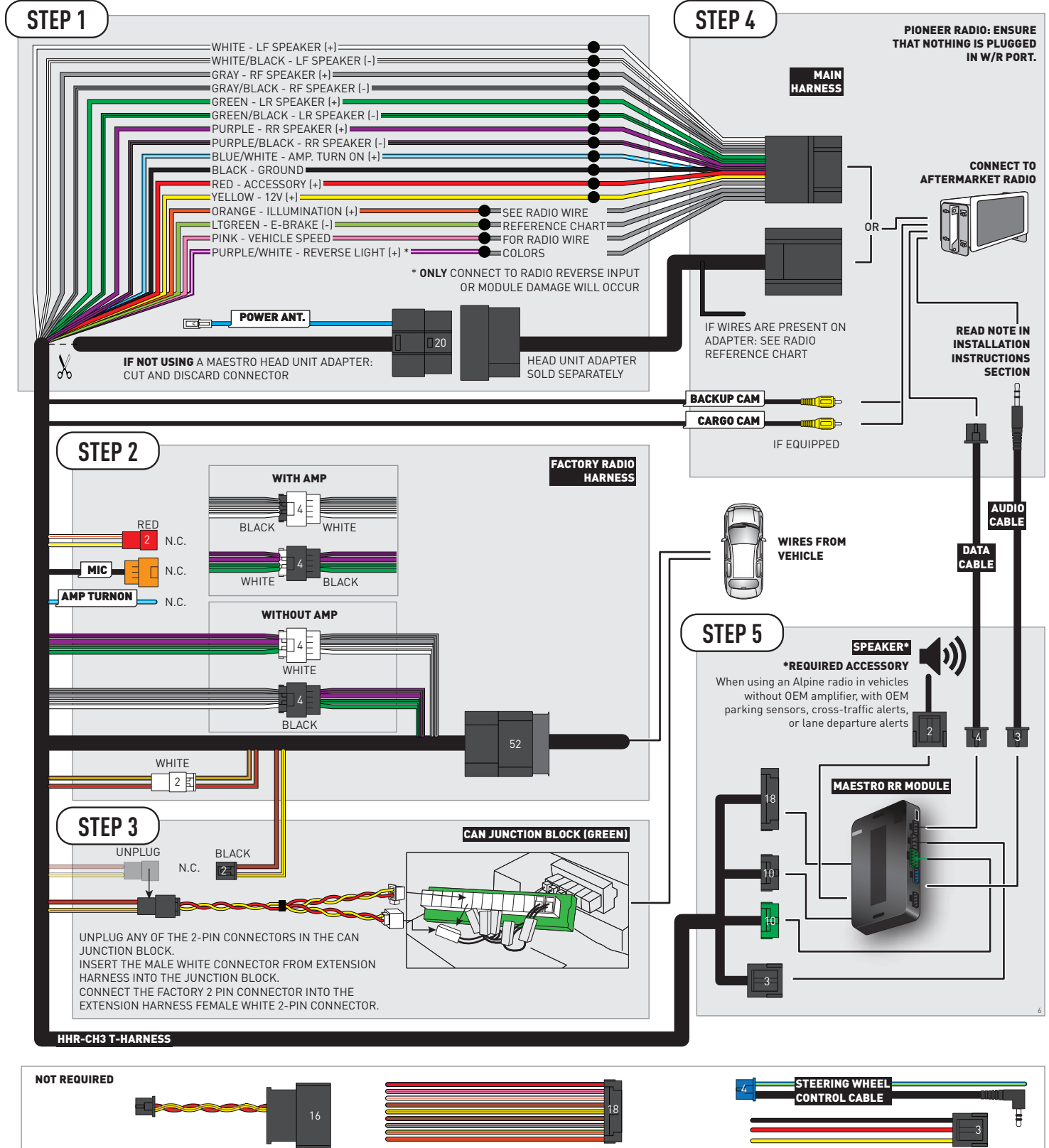
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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
When making a phone call you cannot hear the callers but they can hear you.	Make sure that the 4-pin black and white connectors in the harness are plugged in correctly as stated in step 2.
The radio stays ON or doesn't come ON at all. The light on the Maestro is not blinking.	Make sure the 2-pin connectors in the harness are connected as stated in step 2.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module. Flash the RR module using Weblink Desktop and log in. Do NOT use DEMO MODE.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	<p>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.</p> <p>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.</p>
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	<p>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.</p> <p>Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.</p>

MAESTRO RR RESET PROCEDURE:

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

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

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-CH3 Installation Harness

PROGRAMMED FIRMWARE: CH3-RR-DS

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.

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

ACC-SP1
(Chime speaker)

Radar Detectors



[Radar Installation Guides](#)

Configuring the RR2's Programmable Outputs

[Maestro RR2 Programmable Outputs Guide](#)

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



NEED HELP?

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-CH3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-CH3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-CH3 T-harness and match the wire functions.

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

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:

- Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

- Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.
- Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

- Connect the factory radio harness to the HRR-CH3 T-harness.

STEP 3

- Plug the harnesses into the aftermarket radio.
- Connect the backup cam cable into the aftermarket radio (if equipped).
- Connect the cargo cam cable 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).

Notes:

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

If using an Alpine radio and the vehicle is equipped with parking sensors, lane departure, or other safety systems but NOT factory amplified, the **ACC-SP1 is required**.

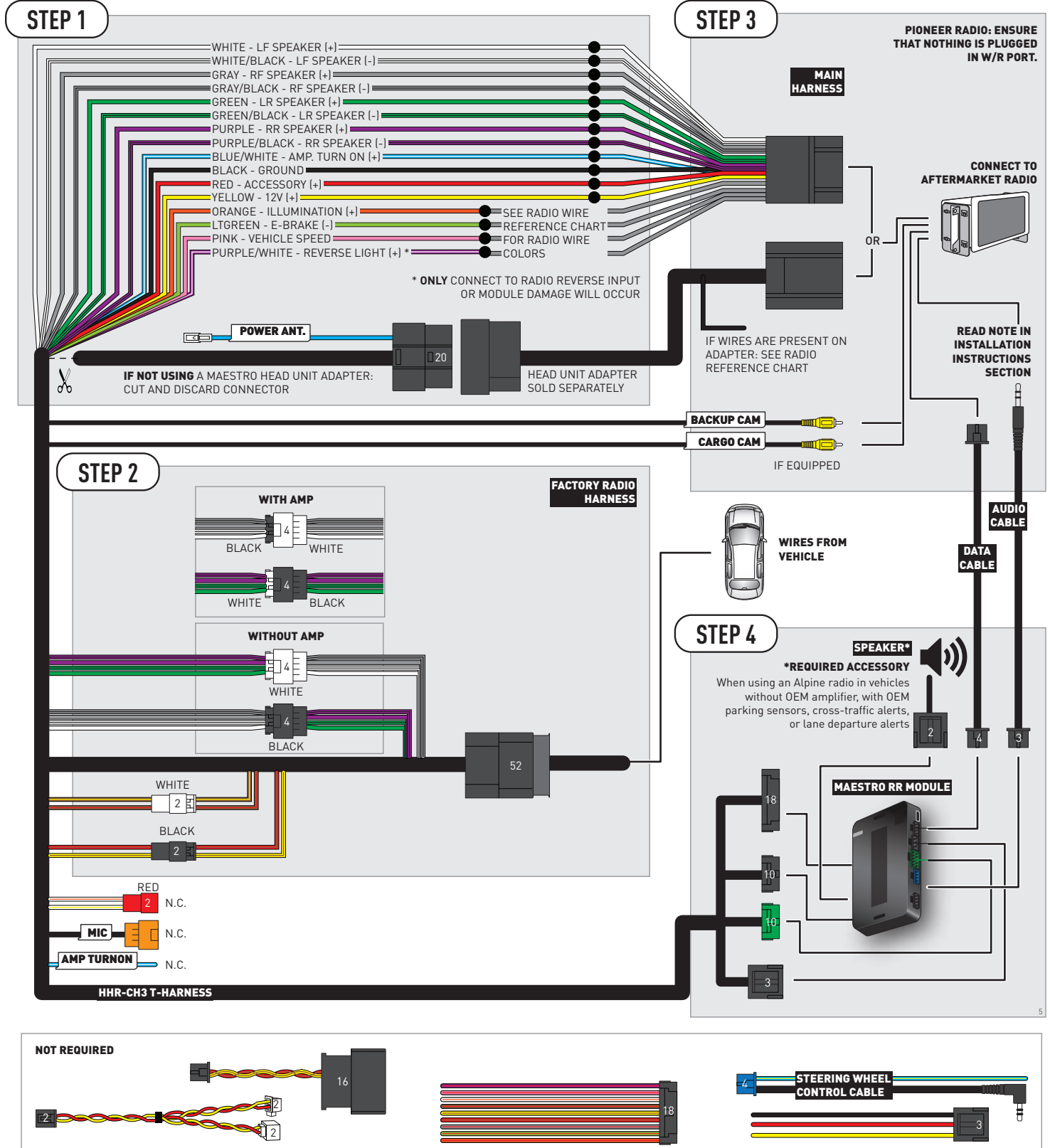
All other radio brands, ACC-SP1 is optional.

Without it, the radio will mute when park assist is active. With it, the chime will play through the speaker and the radio will not mute unless settings are changed in the radio. If factory amplified, the amplifier generates the chimes and ACC-SP1 is not required.

STEP 4

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

CH3 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



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

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Verify configuration of white, red, and black 2-pin connectors on the CH3 T harness.</p> <p>If diagram shows CAN connections at CAN junction block, ensure a factory 2-pin white plug was disconnected, inserted into the female 2-pin of the CH3 extension and the male 2-pin of the extension was plugged back into the junction block.</p> <p>If diagram shows OBD2 connection and connections were hardwired 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.</p> <p>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.</p> <p>Reset the RR.</p>
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STEP 3

- Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro female white 2-pin.

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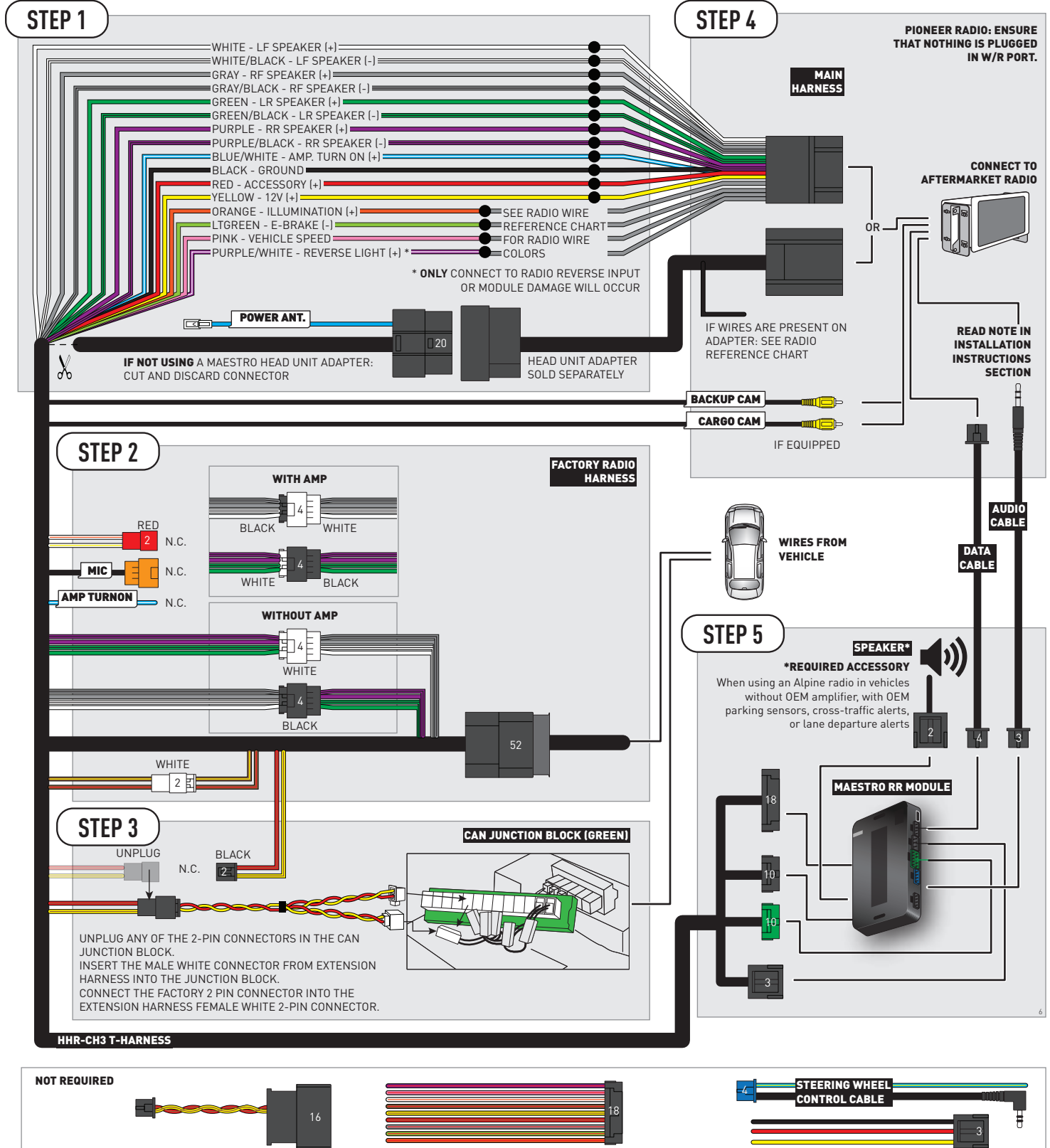
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