



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.

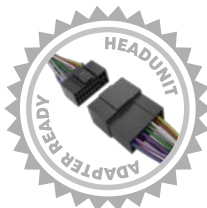
WARNING

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

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND ANALOG OUTPUTS



+



HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-VW2 Installation Harness

PROGRAMMED FIRMWARE: VW2-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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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

Radar Detectors



[Radar Installation Guides](#)

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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-VW2 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-VW2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-VW2 T-harness and match the wire functions.

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

STEP 2

- Connect the factory harness to the HRR-VW2 T-harness.
- Connect the 2 pin red connector to the 2 pin white.

STEP 3

- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle (under driver dash).

STEP 4

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

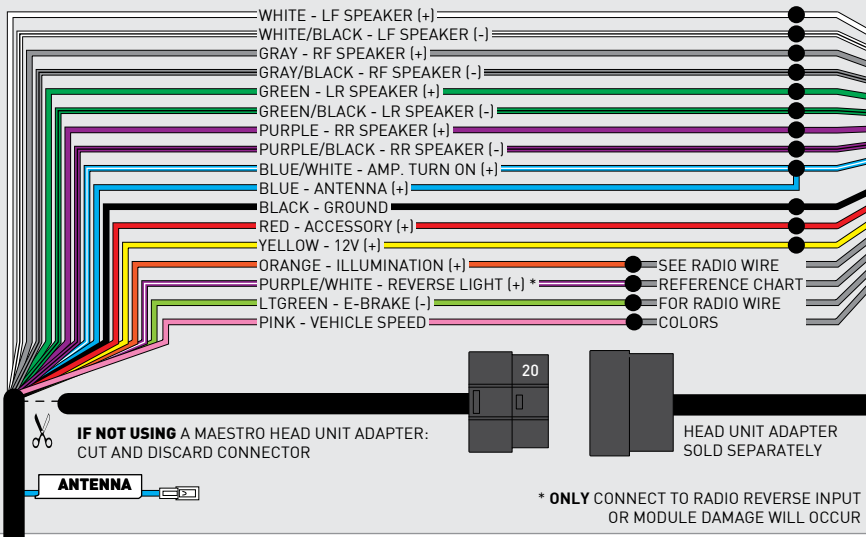
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

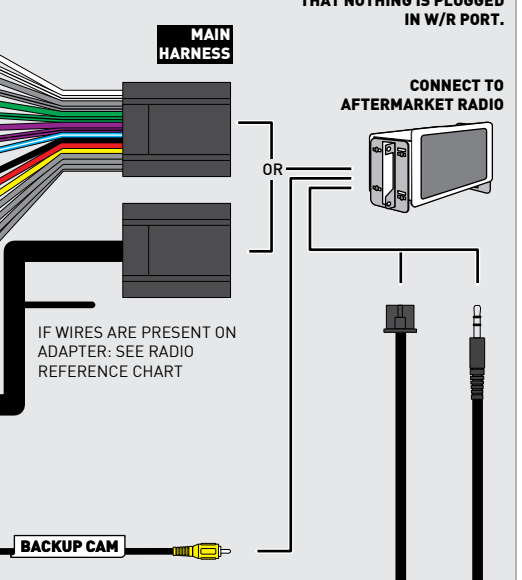
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

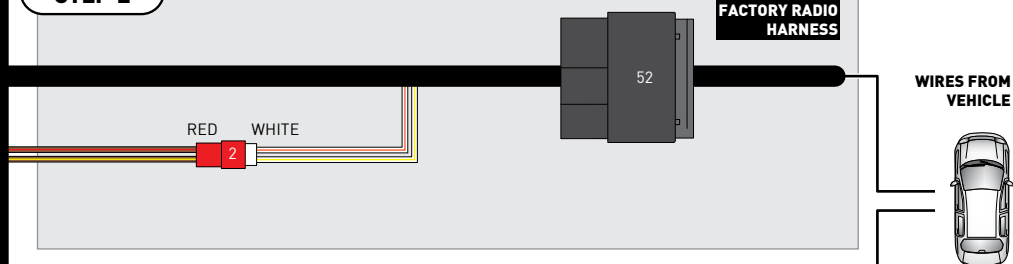
STEP 1



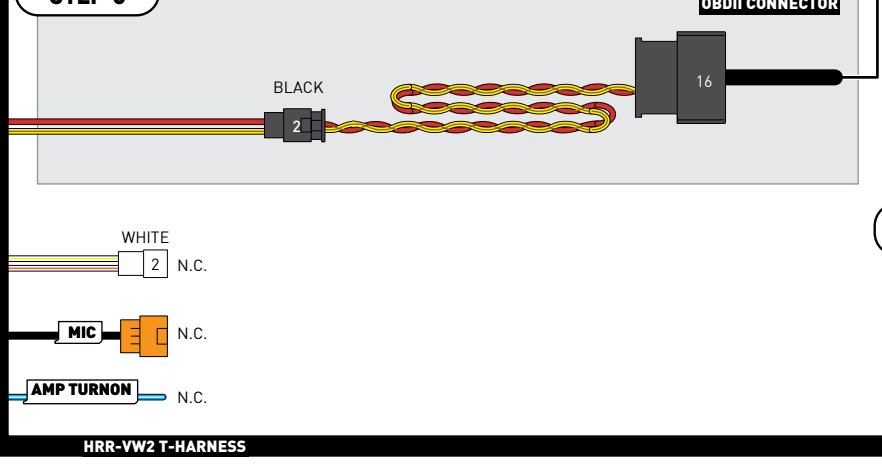
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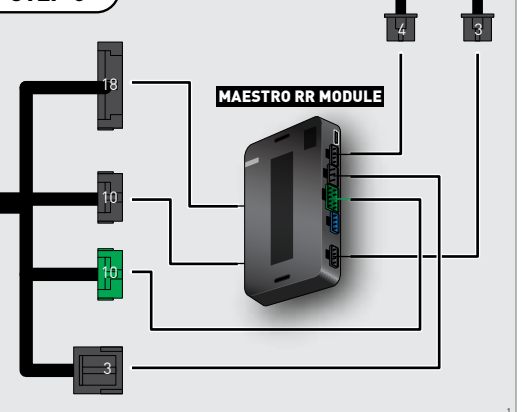
STEP 2



STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

VW2 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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</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>
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.</p>
The light on the Maestro is flashing RED ONCE .	<p>There is no firmware on the module; flash the RR module.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.</p>
After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</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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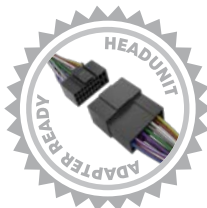
IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2021-2023
VOLKSWAGEN ATLAS CROSS SPORT
WITHOUT AMPLIFIER

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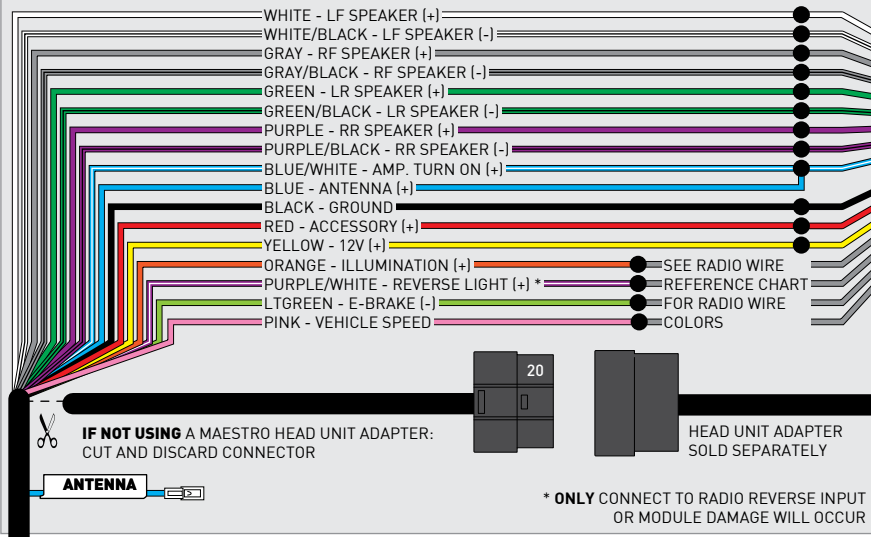
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

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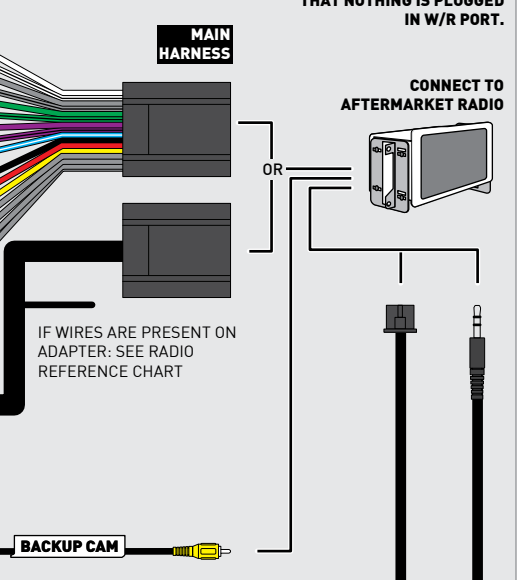
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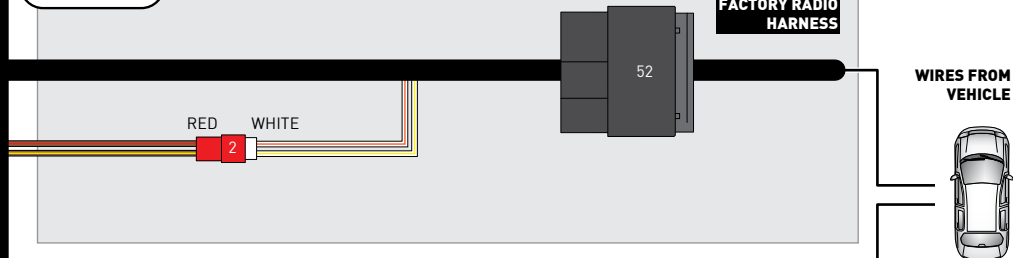
STEP 1



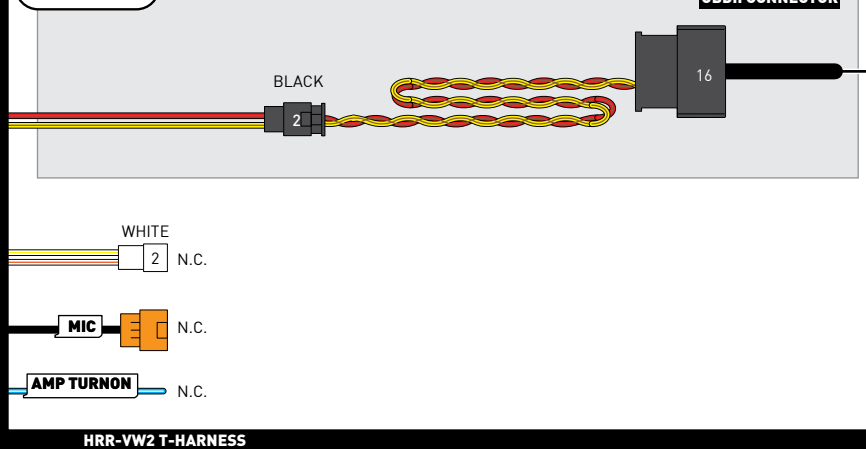
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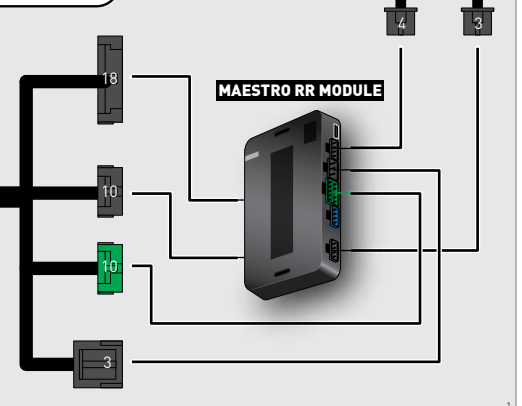
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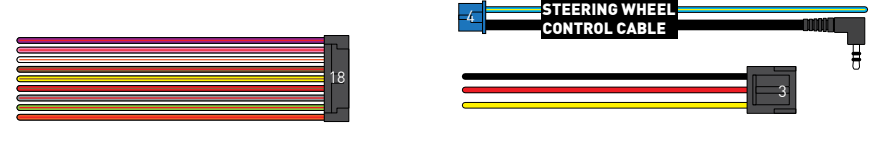
STEP 3



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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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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After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</p>

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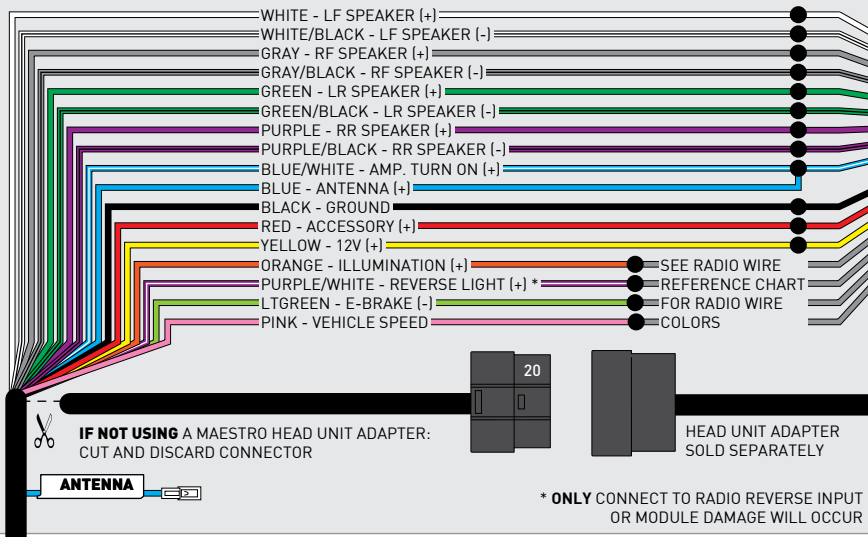
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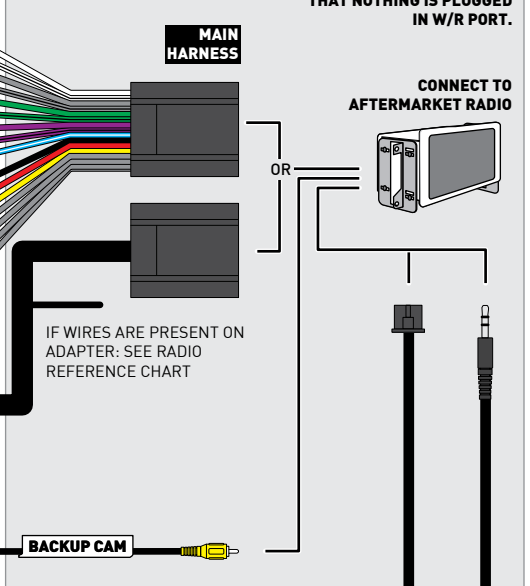
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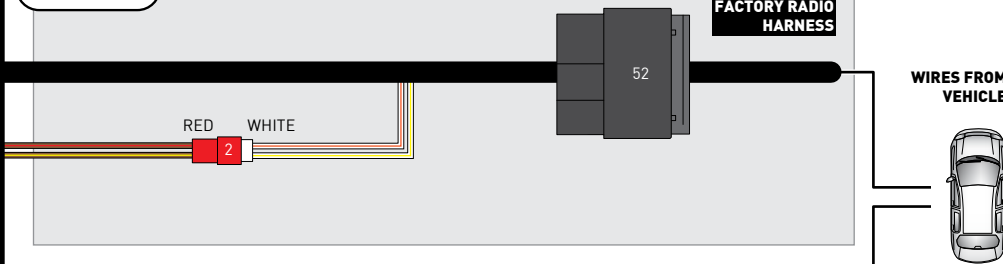
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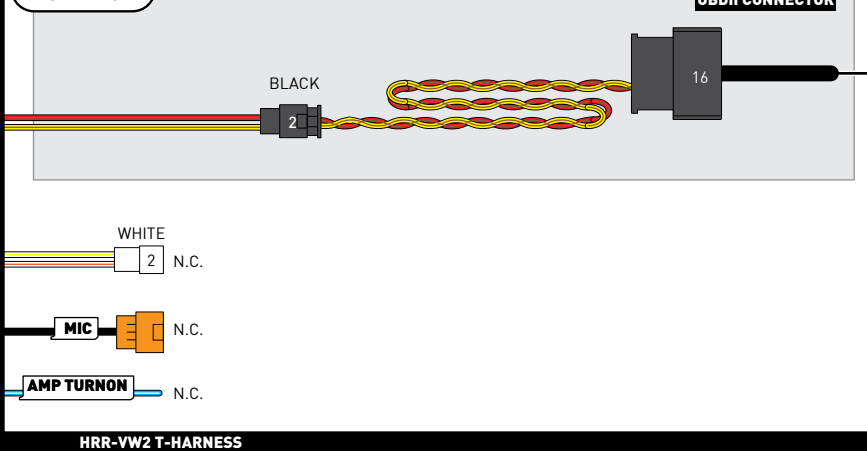
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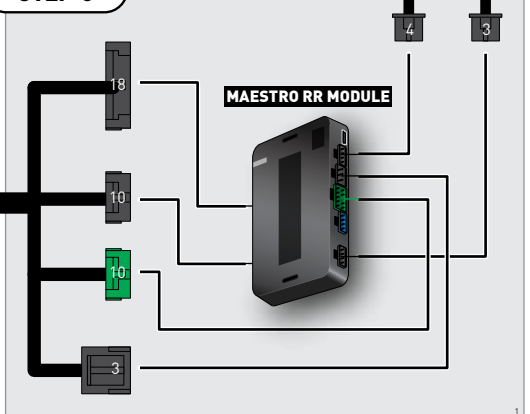
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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND ANALOG OUTPUTS



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-VW2 Installation Harness

PROGRAMMED FIRMWARE: VW2-RR-DS


WELCOME

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NEED HELP?

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Radar Detectors



[Radar Installation Guides](#)

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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-VW2 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-VW2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-VW2 T-harness and match the wire functions.

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

STEP 2

- Connect the factory harness to the HRR-VW2 T-harness.
- Connect the 2 pin red connector to the 2 pin white.

STEP 3

- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle (under driver dash).

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable.
- Plug the Data cable to the data port of the aftermarket radio.
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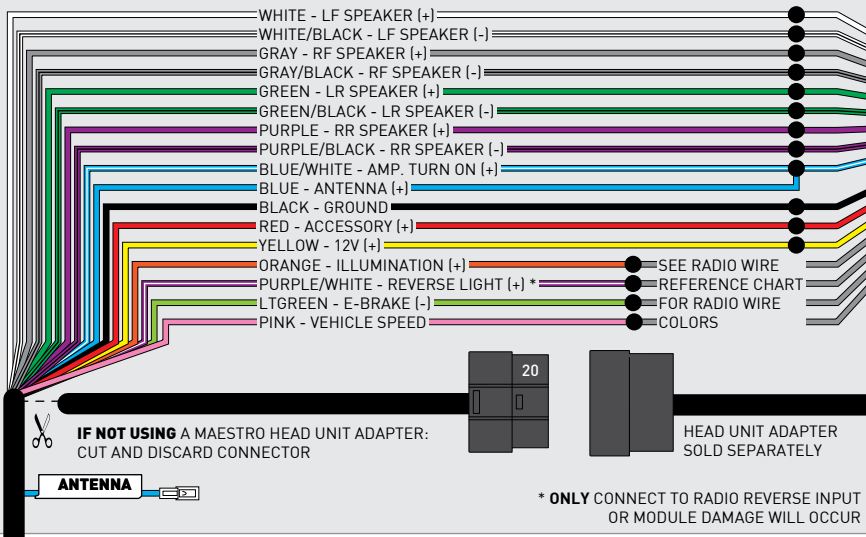
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

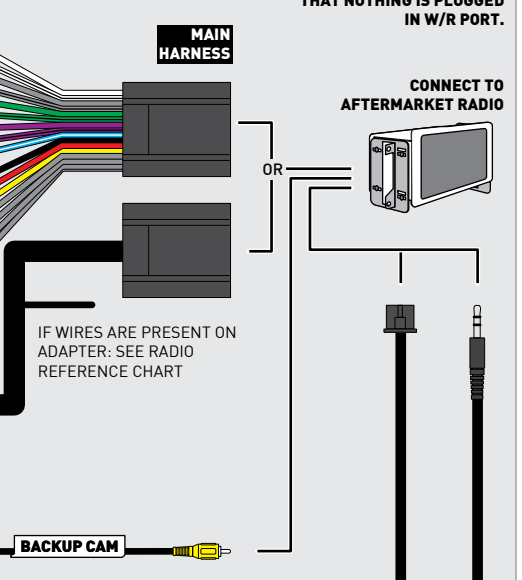
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

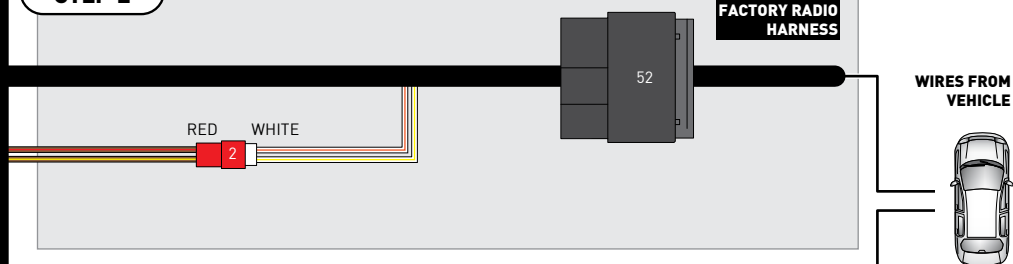
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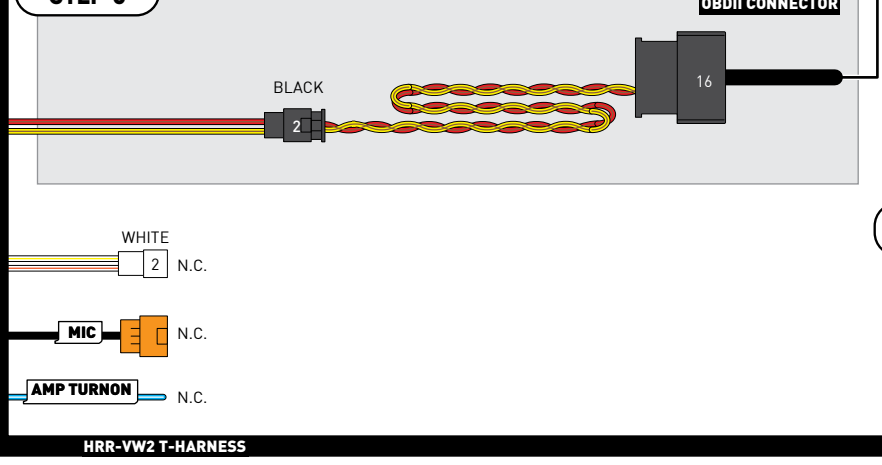
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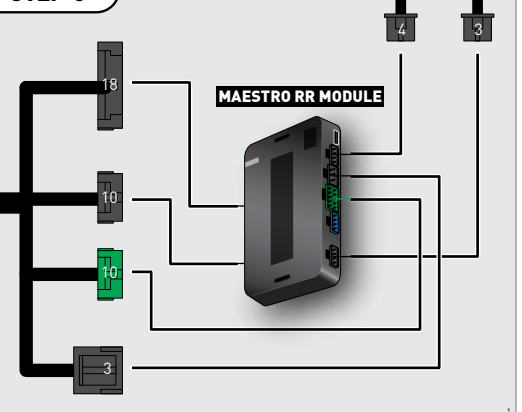
STEP 2



STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

VW2 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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</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>
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.</p>
The light on the Maestro is flashing RED ONCE .	<p>There is no firmware on the module; flash the RR module.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.</p>
After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</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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Phone: 1-866-427-2999

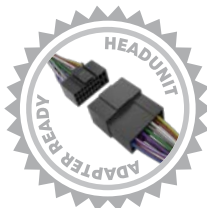
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- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
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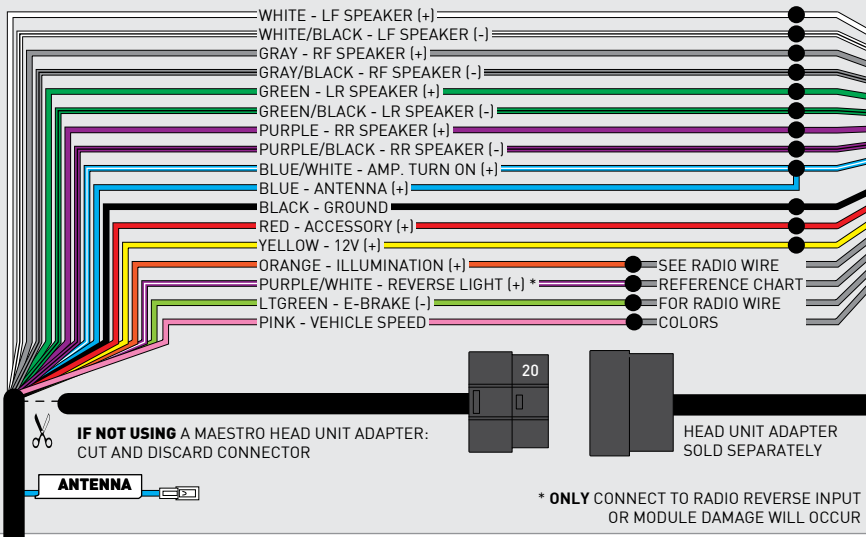
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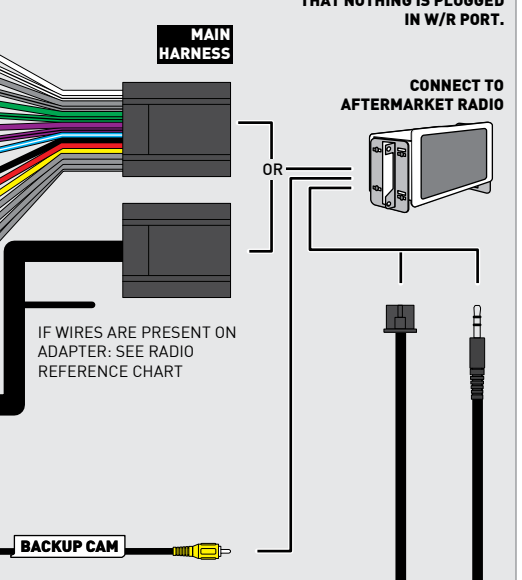
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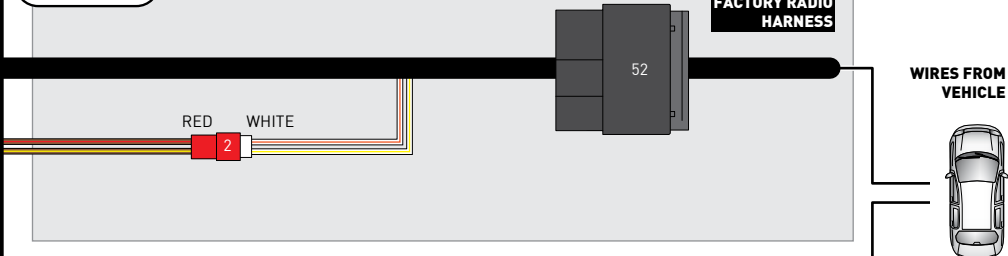
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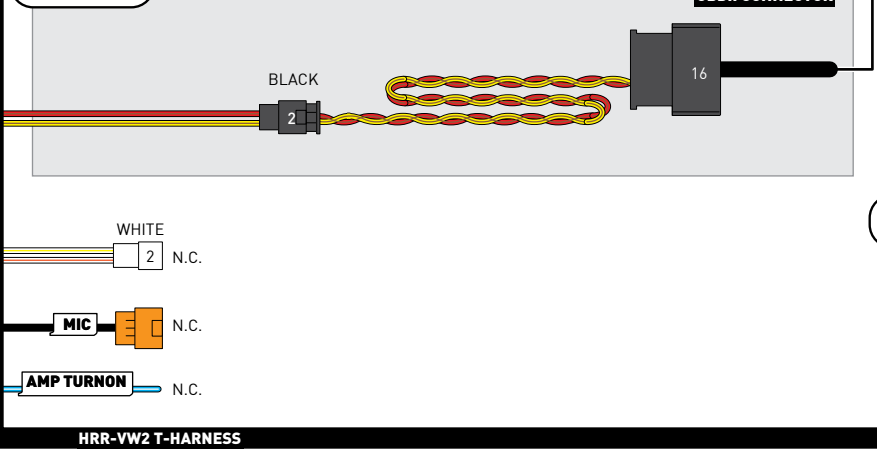
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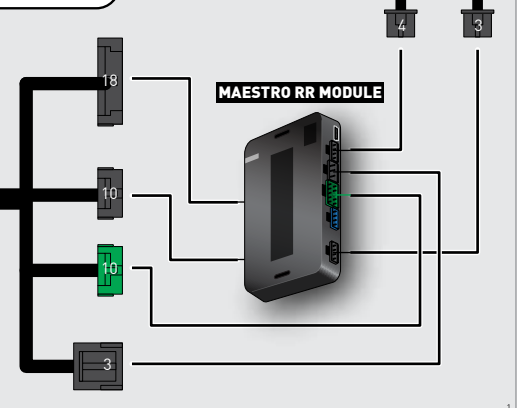
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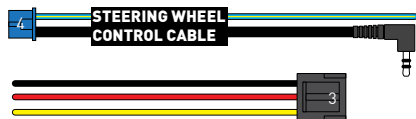
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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
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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
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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.
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MAESTRO RR RESET PROCEDURE:

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[WEBLINK](#)



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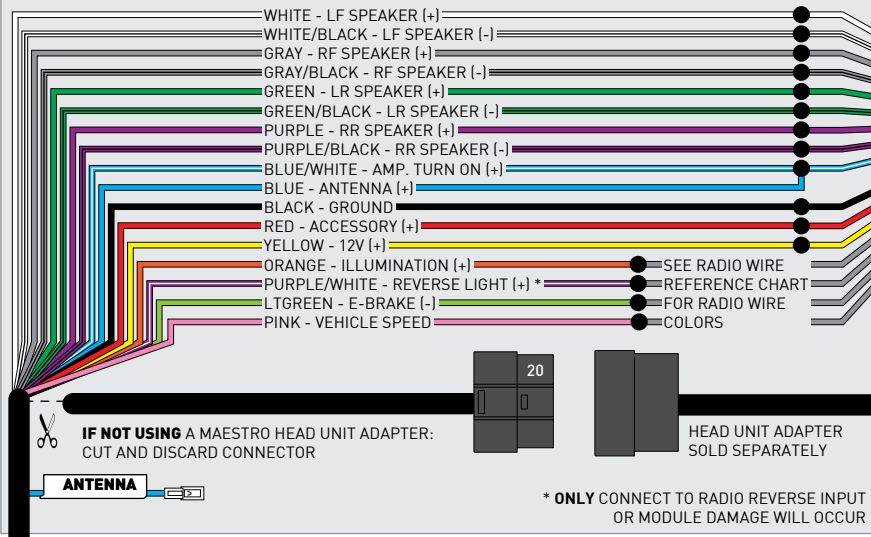
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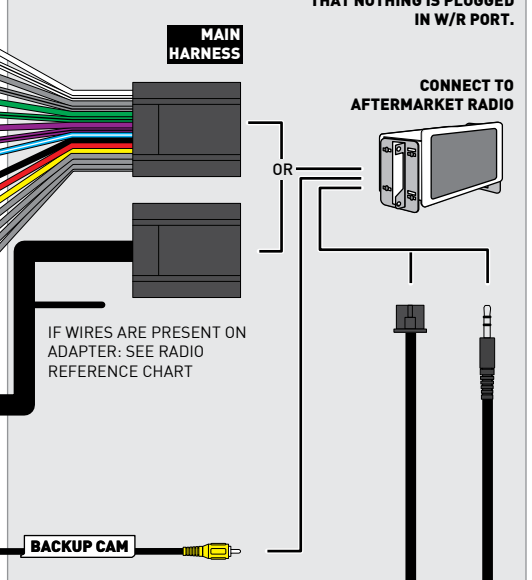
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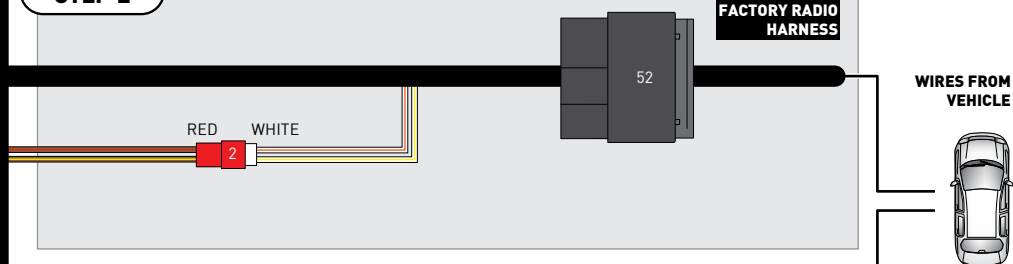
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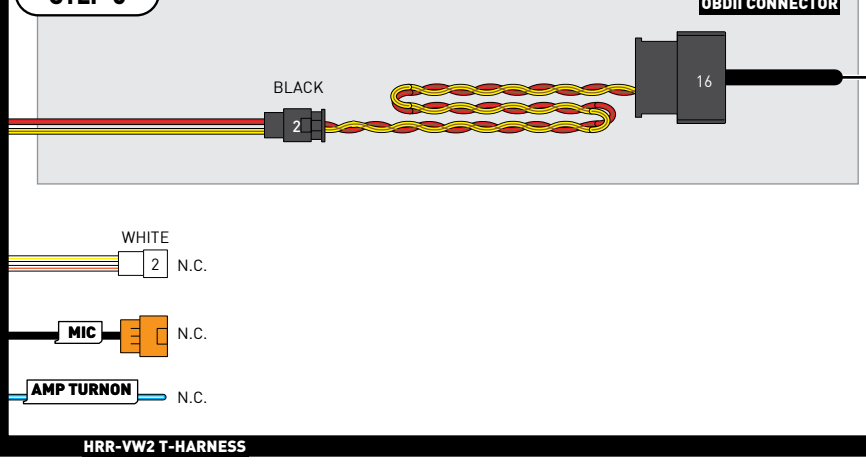
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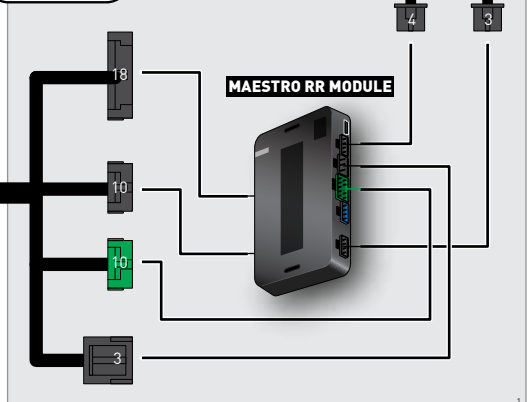
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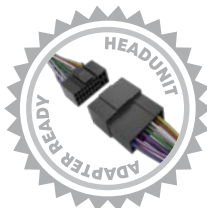
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2015-2019
VOLKSWAGEN GOLF SPORTWAGEN
WITHOUT AMPLIFIER

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND ANALOG OUTPUTS



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-VW2 Installation Harness

PROGRAMMED FIRMWARE: VW2-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

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-VW2 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-VW2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-VW2 T-harness and match the wire functions.

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

STEP 2

- Connect the factory harness to the HRR-VW2 T-harness.
- Connect the 2 pin red connector to the 2 pin white.

STEP 3

- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle (under driver dash).

STEP 4

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

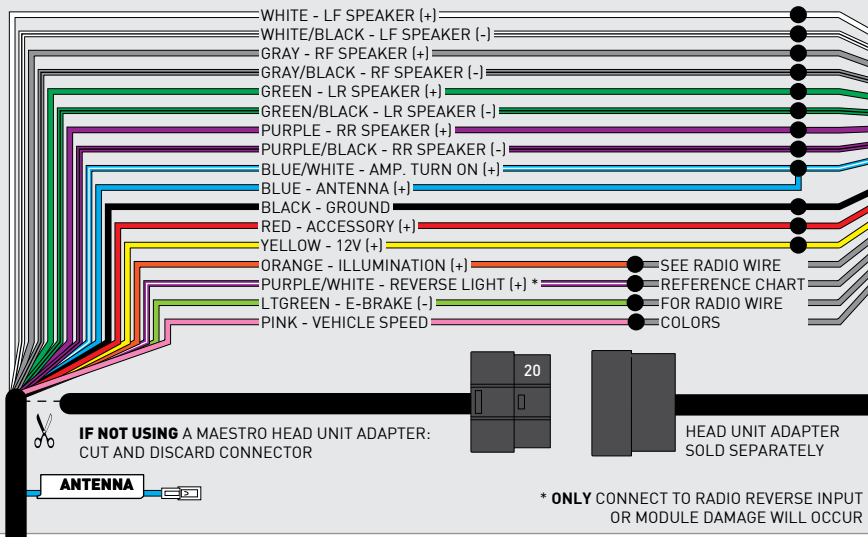
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

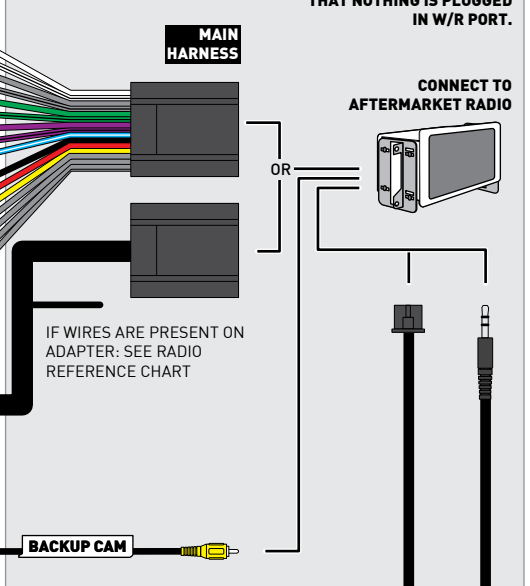
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

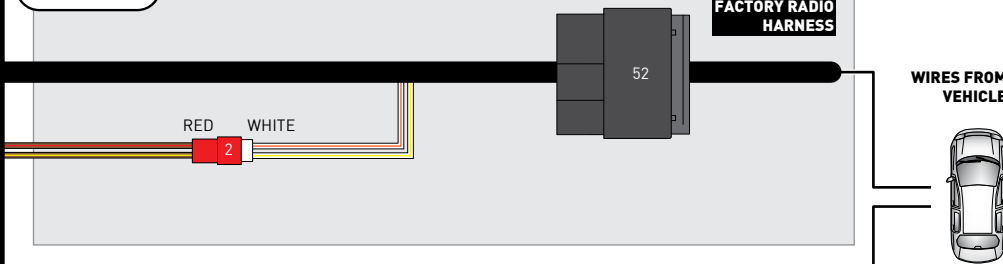
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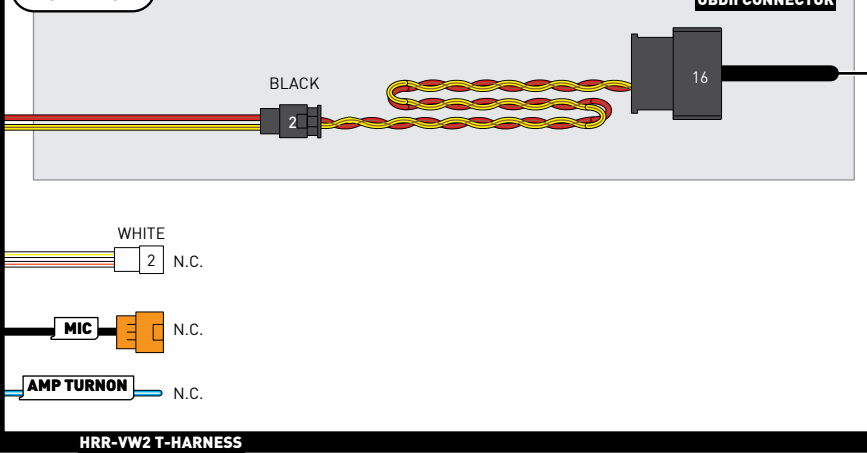
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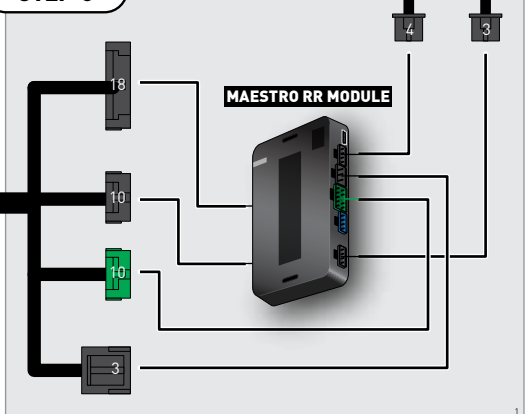
STEP 2



STEP 3



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RADIO WIRE REFERENCE CHART

VW2 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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</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>
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.</p>
The light on the Maestro is flashing RED ONCE .	<p>There is no firmware on the module; flash the RR module.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.</p>
After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</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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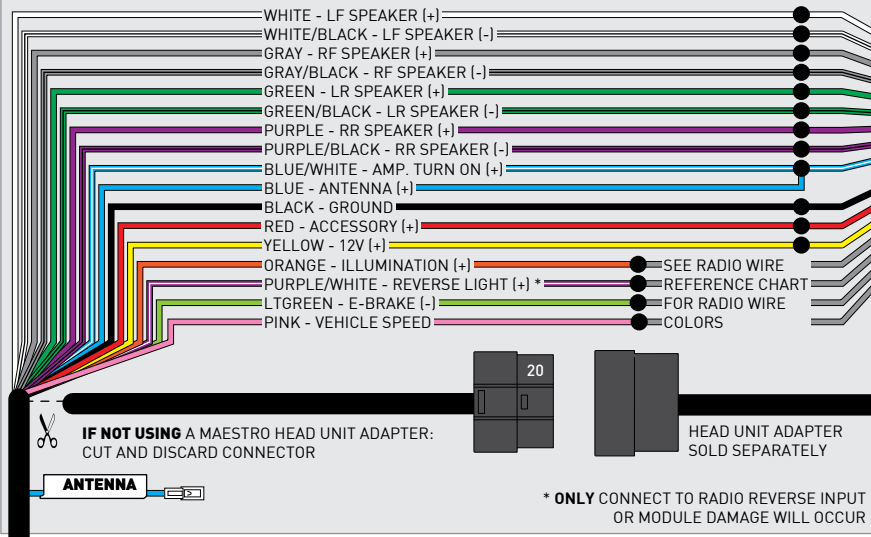
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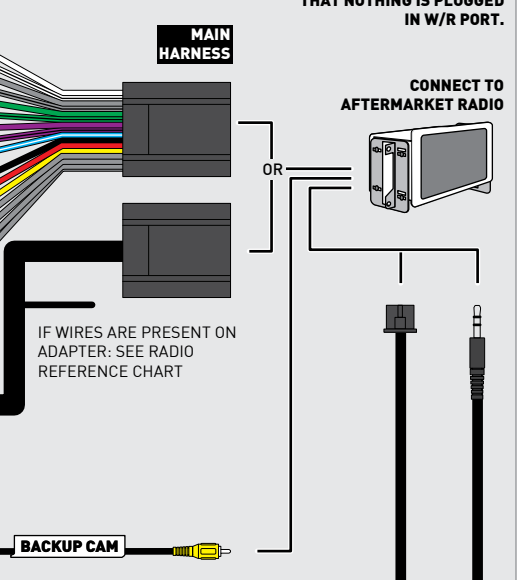
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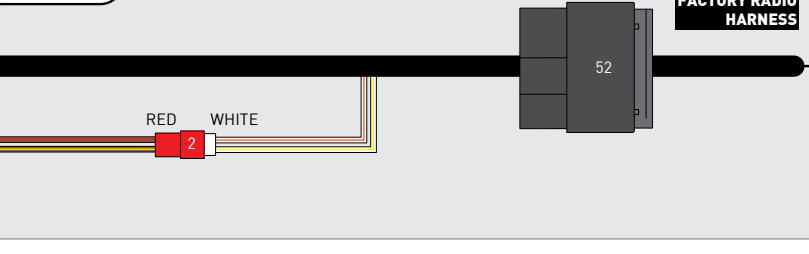
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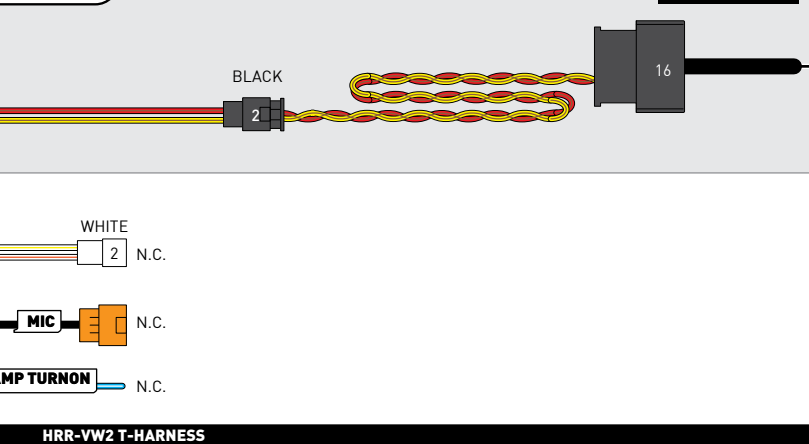
STEP 4



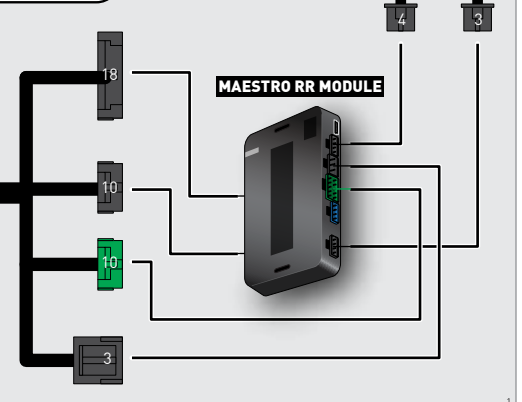
STEP 2



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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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

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VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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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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MAESTRO RR RESET PROCEDURE:

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2019-2023

VOLKSWAGEN JETTA GLI
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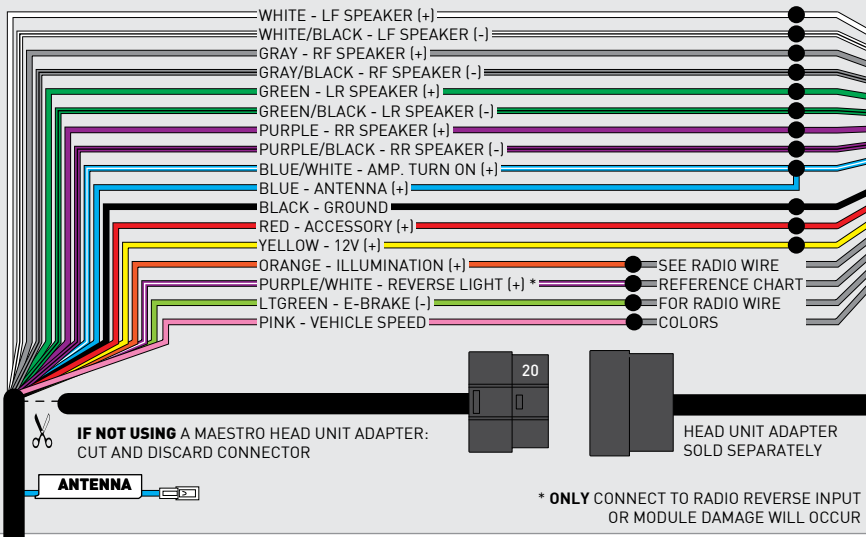
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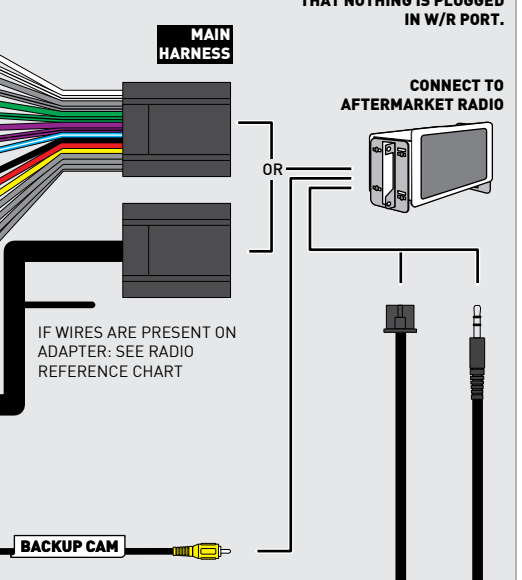
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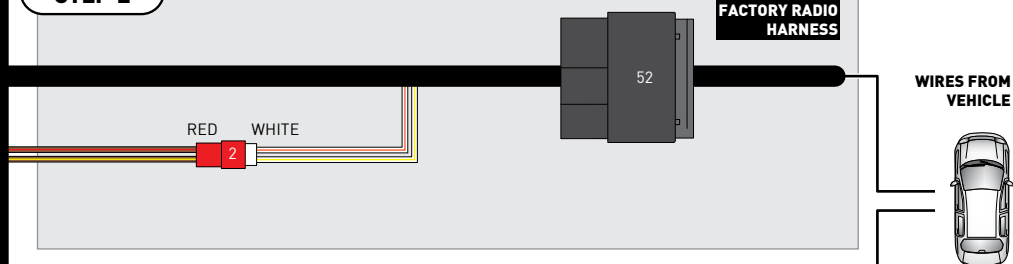
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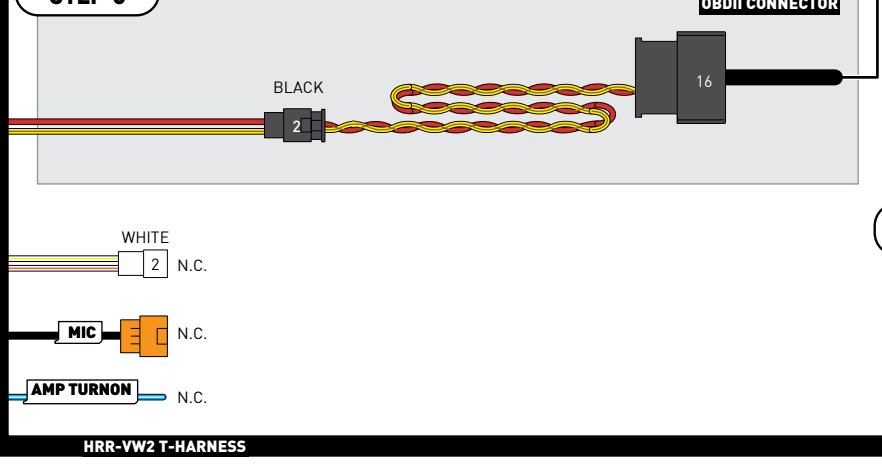
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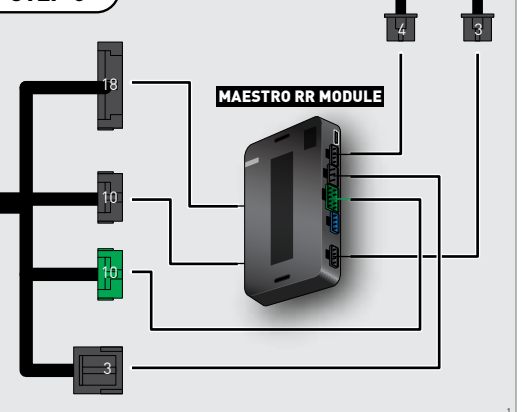
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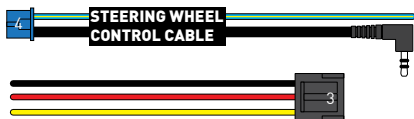
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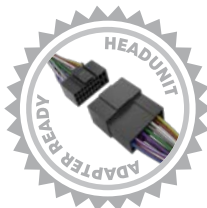
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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

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-VW2 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-VW2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-VW2 T-harness and match the wire functions.

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

STEP 2

- Connect the factory harness to the HRR-VW2 T-harness.
- Connect the 2 pin red connector to the 2 pin white.

STEP 3

- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle (under driver dash).

STEP 4

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

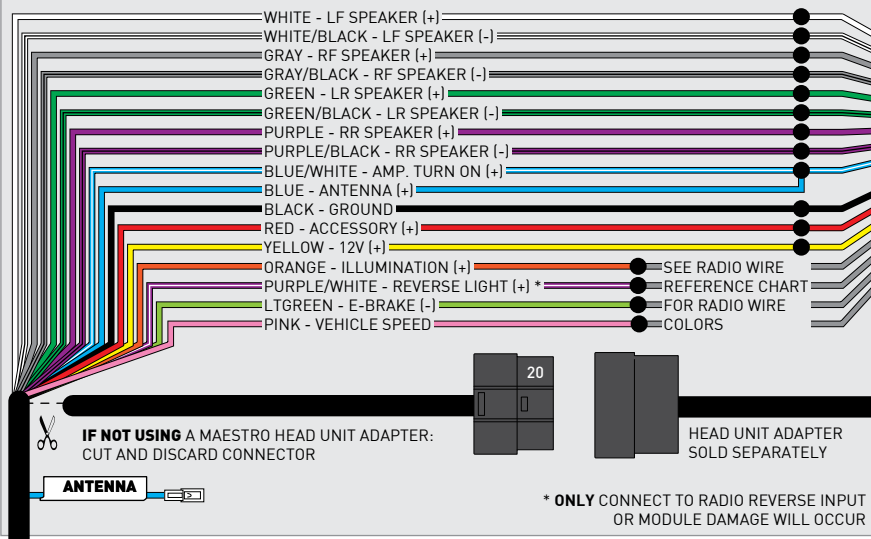
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

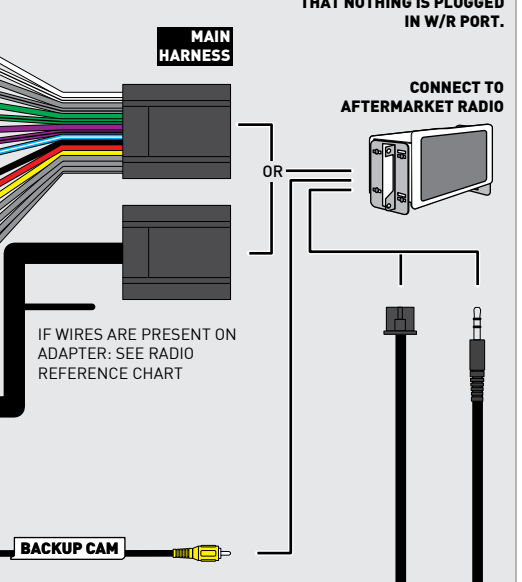
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

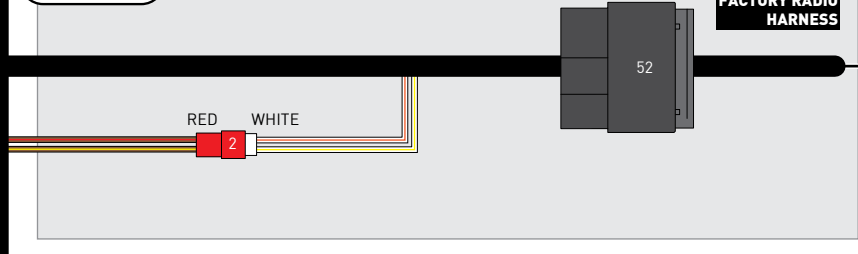
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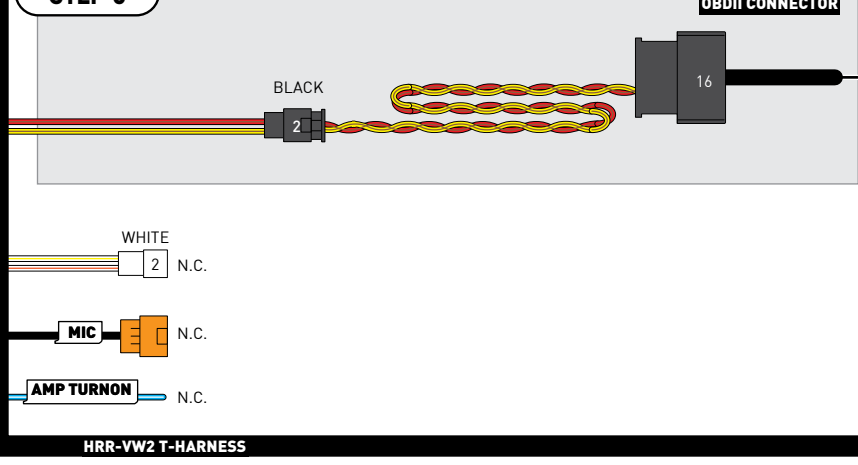
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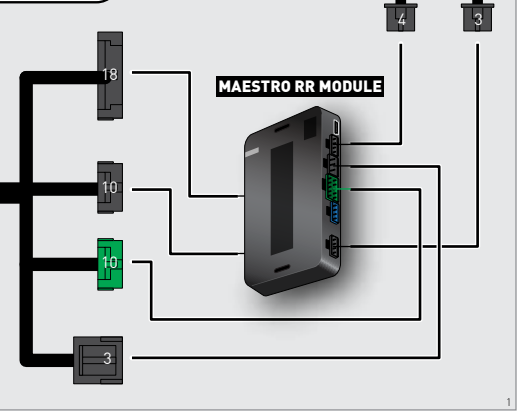
STEP 2



STEP 3



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

VW2 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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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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>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</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>
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.</p>
The light on the Maestro is flashing RED ONCE .	<p>There is no firmware on the module; flash the RR module.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.</p>
After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</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, FACTORY AMPLIFIER, AND ANALOG OUTPUTS



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PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-VW2 Installation Harness

PROGRAMMED FIRMWARE: VW2-RR-DS


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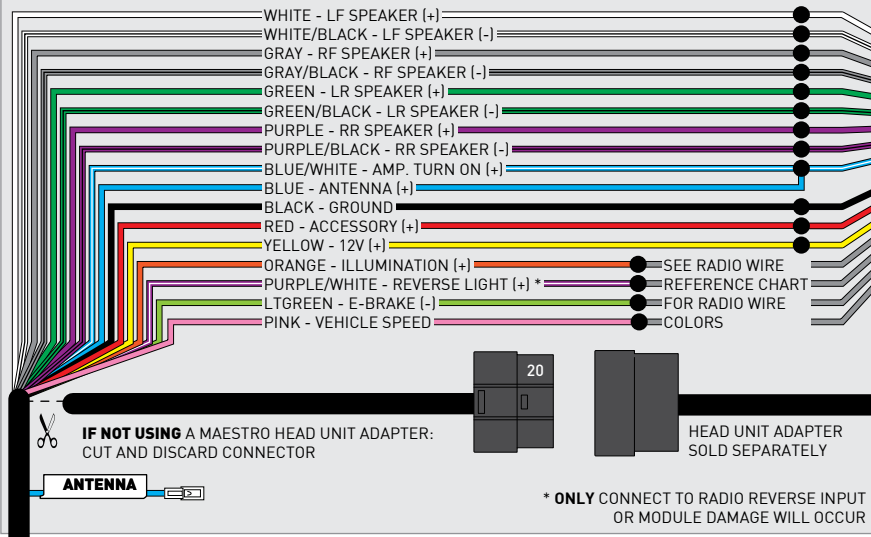
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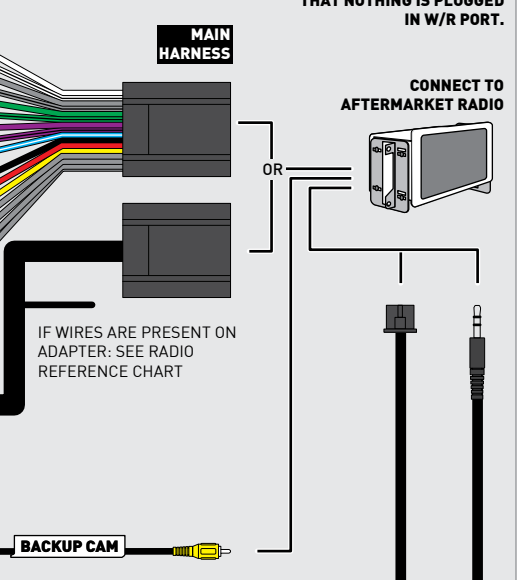
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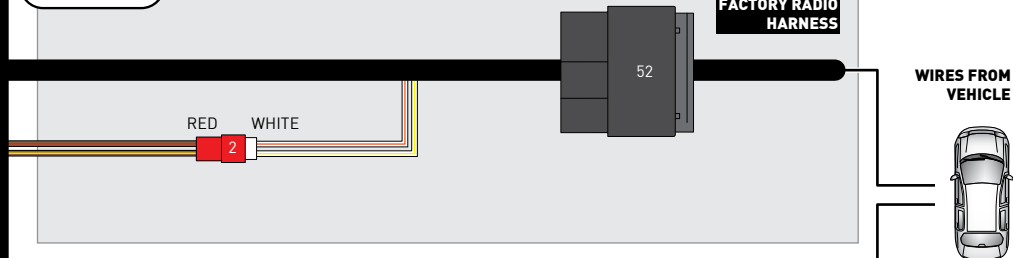
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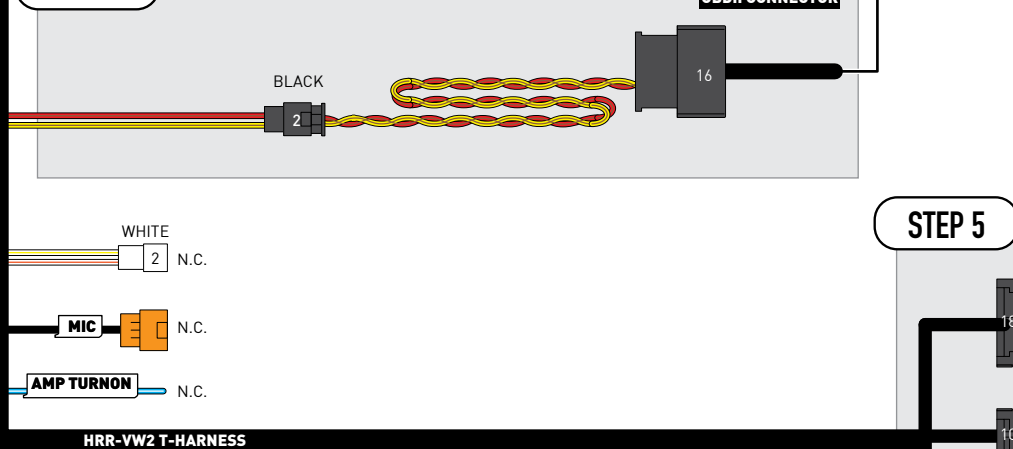
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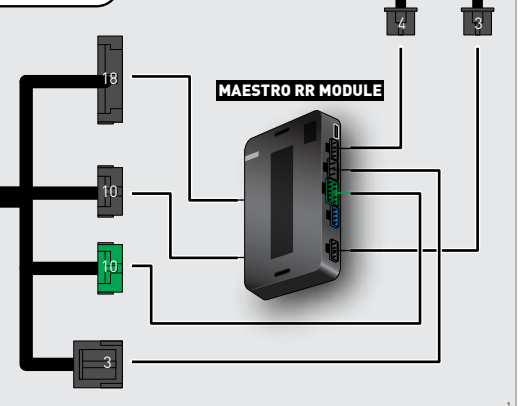
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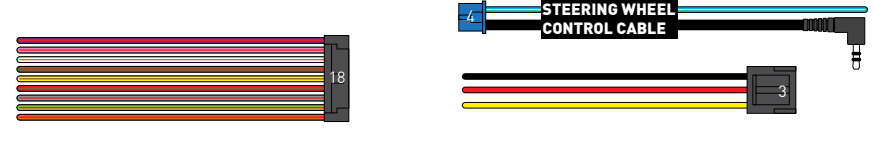
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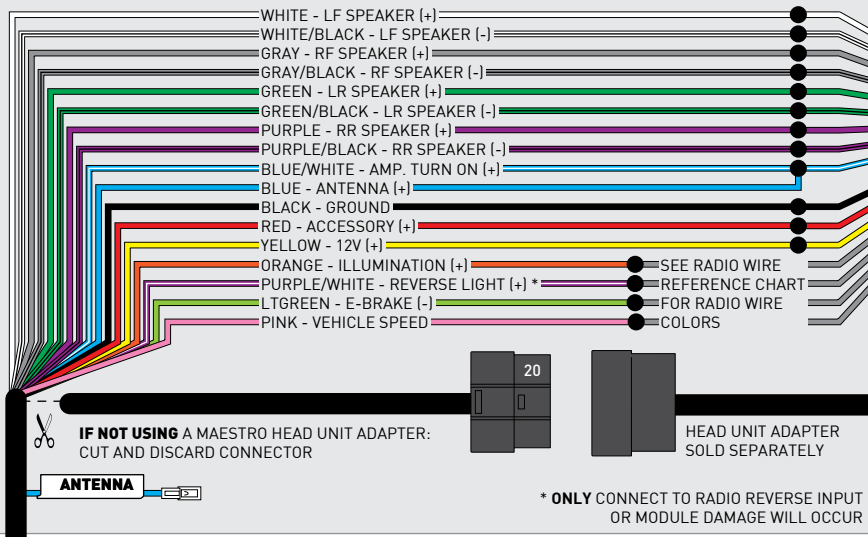
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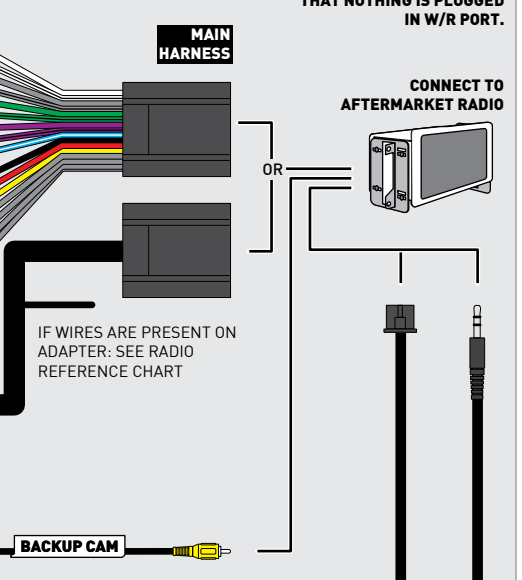
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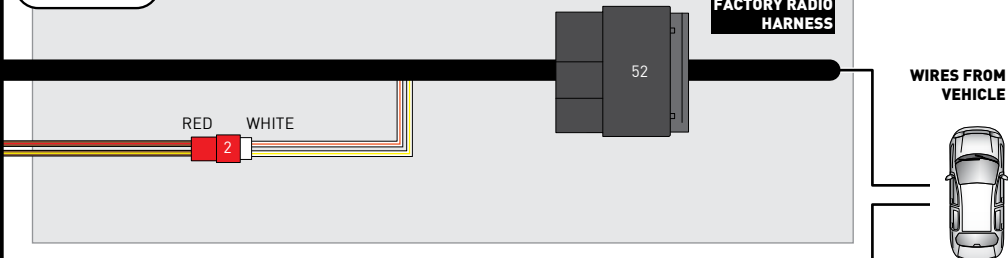
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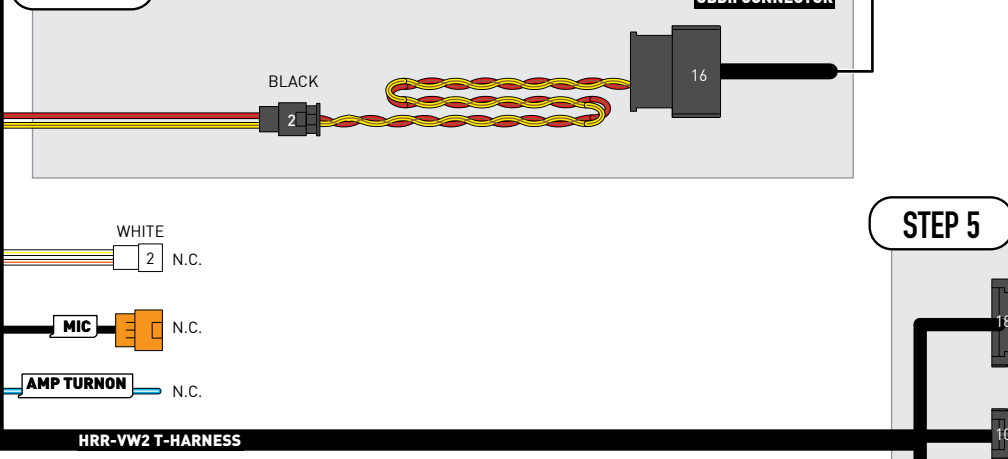
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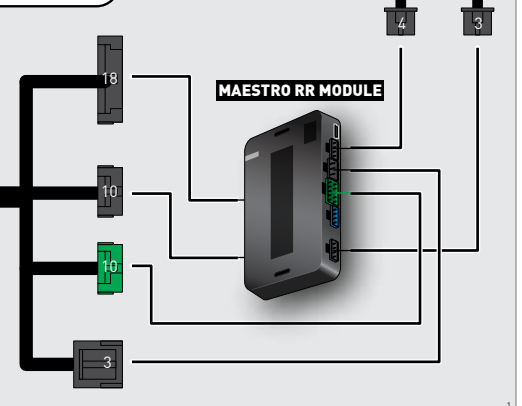
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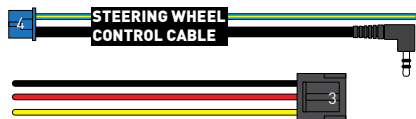
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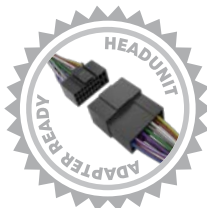
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 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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

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-VW2 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-VW2 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-VW2 T-harness and match the wire functions.

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

STEP 2

- Connect the factory harness to the HRR-VW2 T-harness.
- Connect the 2 pin red connector to the 2 pin white.

STEP 3

- Plug the BLACK 2 pin connector of your HRR-VW2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle (under driver dash).

STEP 4

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

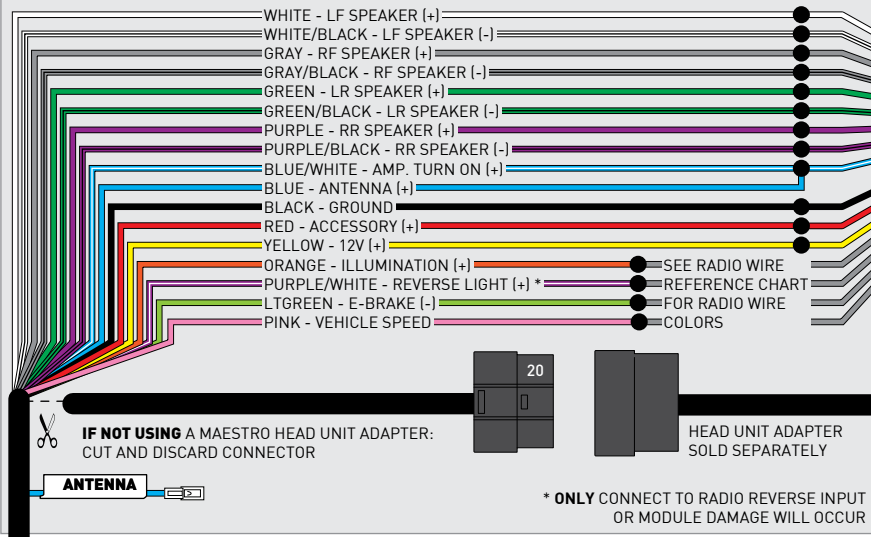
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

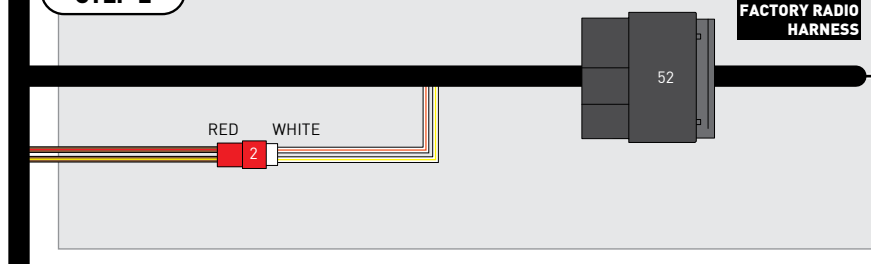
- Connect all the harnesses to the Maestro RR module then test your installation.

WIRING DIAGRAM

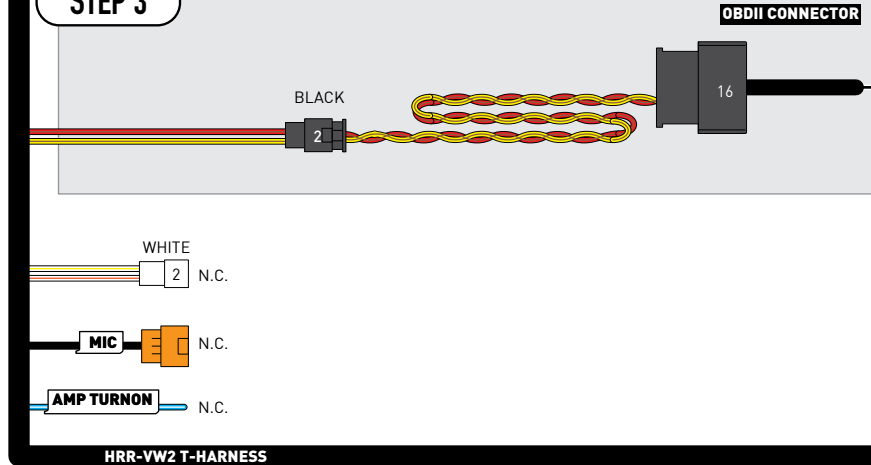
STEP 1



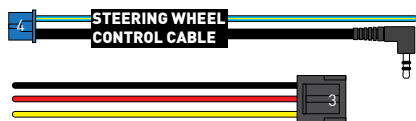
STEP 2



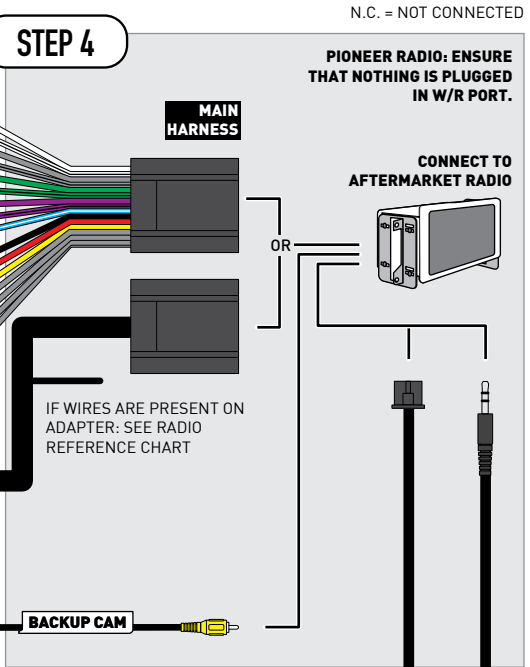
STEP 3



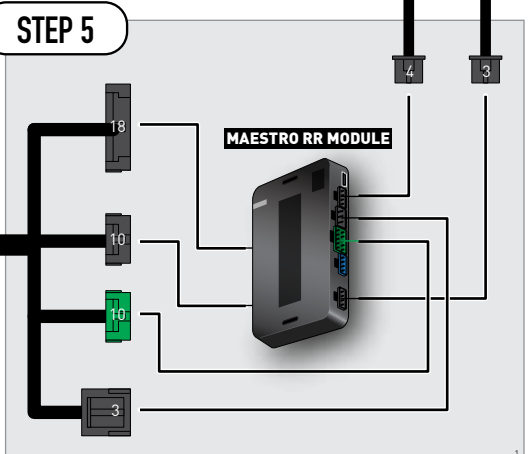
NOT REQUIRED



STEP 4



STEP 5



N.C. = NOT CONNECTED

RADIO WIRE REFERENCE CHART

VW2 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
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</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>
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.</p>
The light on the Maestro is flashing RED ONCE .	<p>There is no firmware on the module; flash the RR module.</p>
The radio doesn't turn on. LED on the Maestro is not flashing.	<p>Ensure the white and red 2-pin connectors are connected as shown in the diagram. Test for power at the large 3 pin connector of the harness. With it plugged in and vehicle turned on, we should have power on the red and yellow wires.</p>
After radio install, the airbag indicator light is ON.	<p>Go to the settings of the aftermarket radio, find the OEM Setup, then Vehicle Features, then select Clear Air Bag Indicator.</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.