



HOW TO USE THIS INSTALL GUIDE

- Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
- Print only the pages for your vehicle using the advanced options in the Print menu.
- 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.



INSTALL GUIDE

2014-2019 TOYOTA 4 RUNNER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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NEED HELP?



1 866 427-2999



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system,

plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

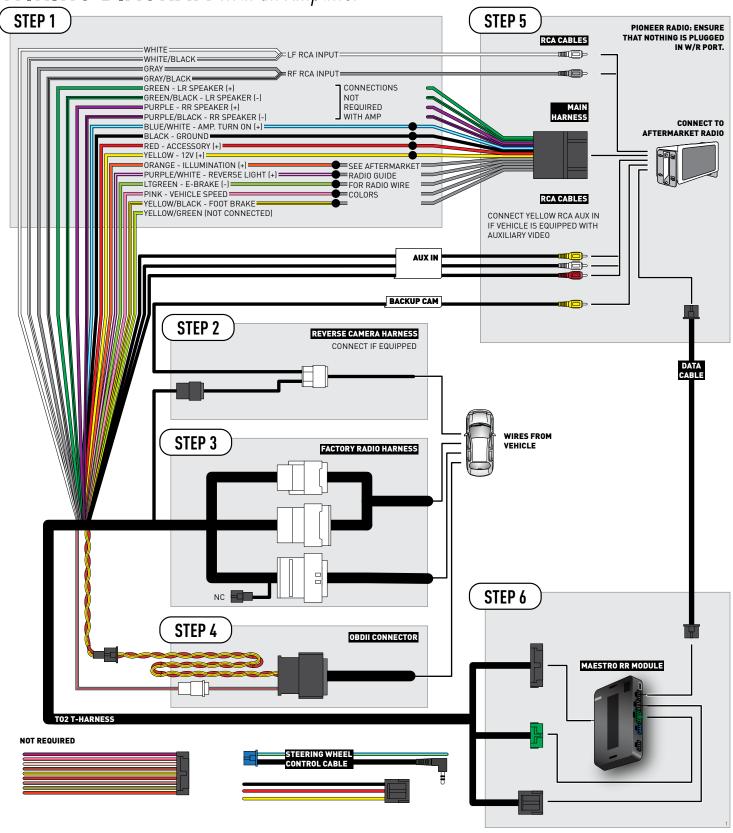
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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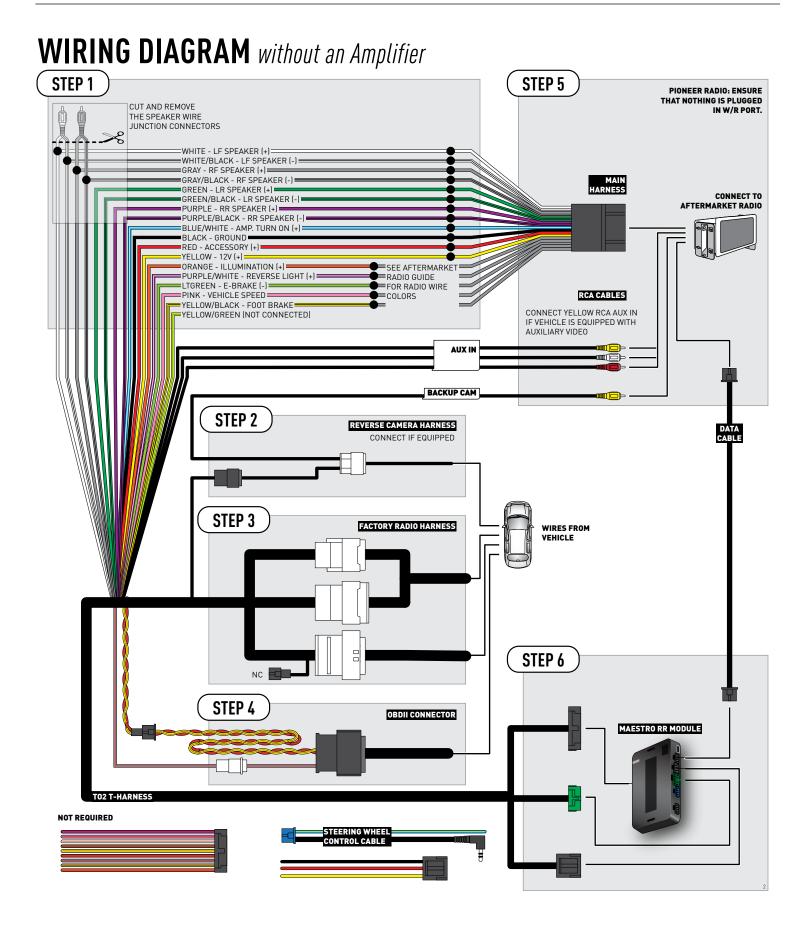
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• Connect all the harnesses to the Maestro RR module then test your installation.

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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
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 .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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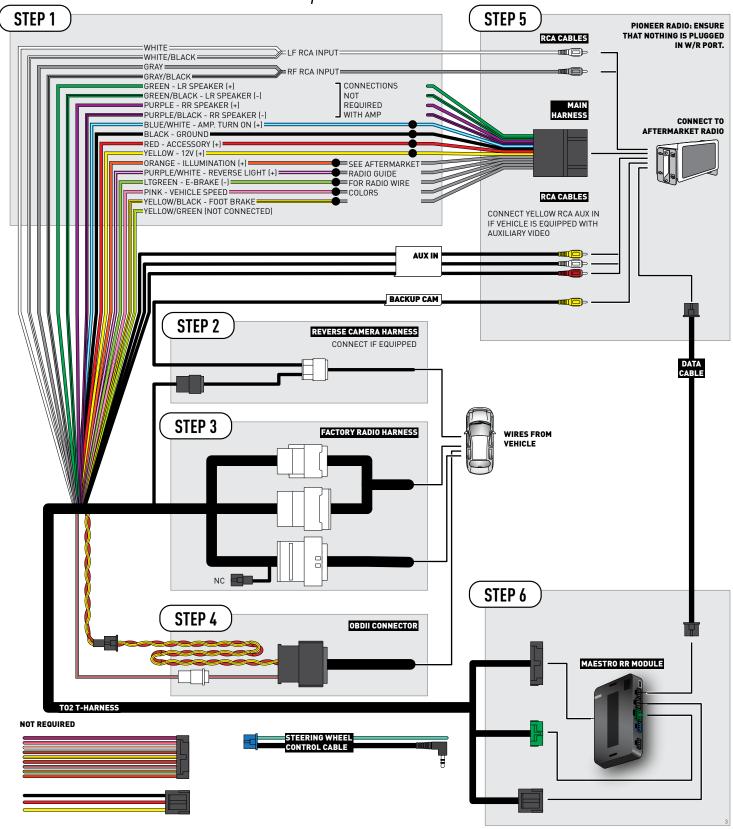
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• Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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INSTALL GUIDE

2013-2014 TOYOTA AVALON WITH NAV WITH JBL

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 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

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• Connect the factory harness to the TO2 T-harness.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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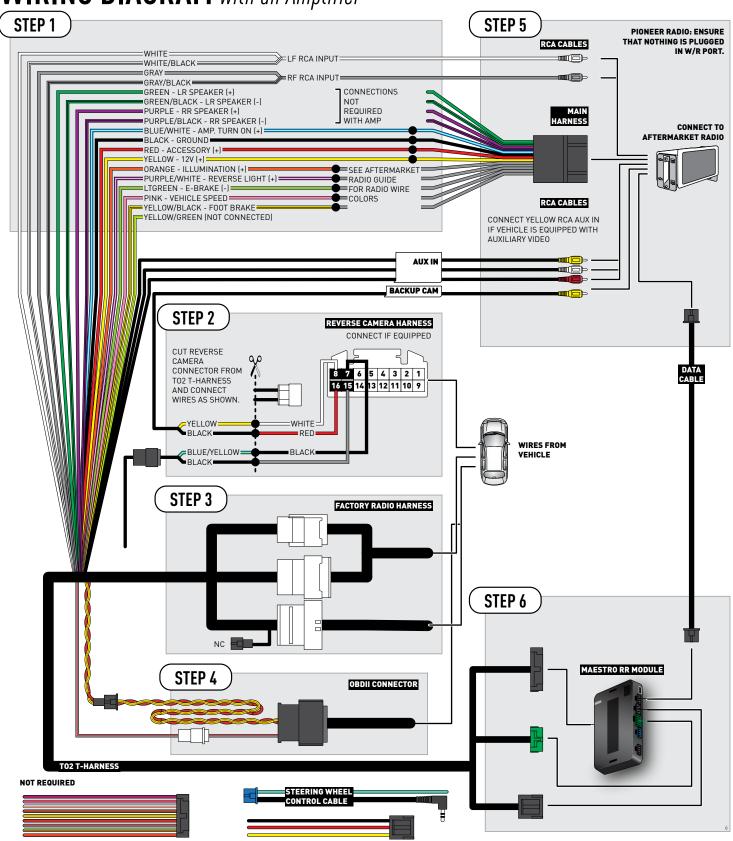
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WIRING DIAGRAM with an Amplifier





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

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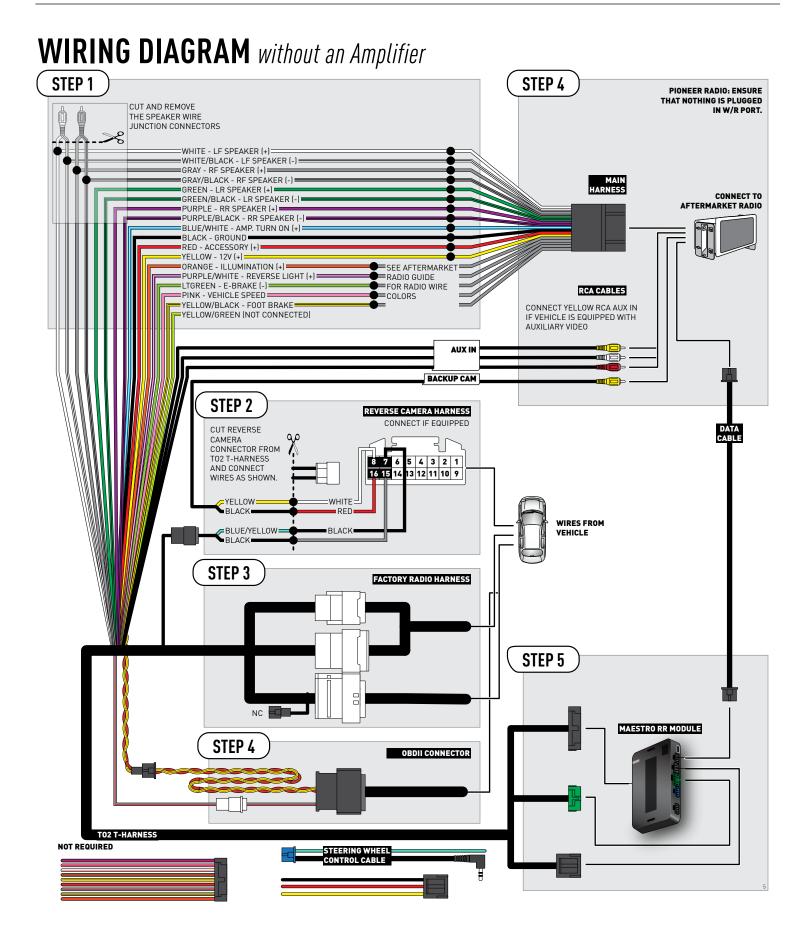
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PROBLEM	SOLUTION
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The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2015-2019 TOYOTA AVALON WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

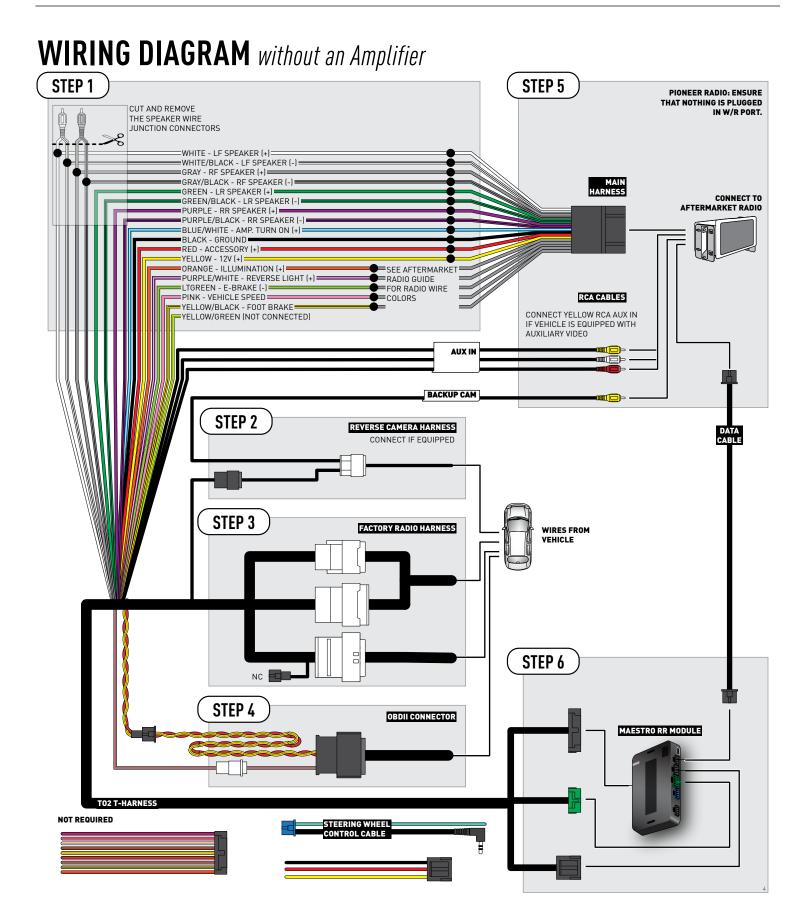
vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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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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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.

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INSTALL GUIDE

2018 TOYOTA C-HR WITHOUT APPLE CARPLAY OR ANDROID AUTO

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• Connect the factory harness to the TO2 T-harness.

STEP 3

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

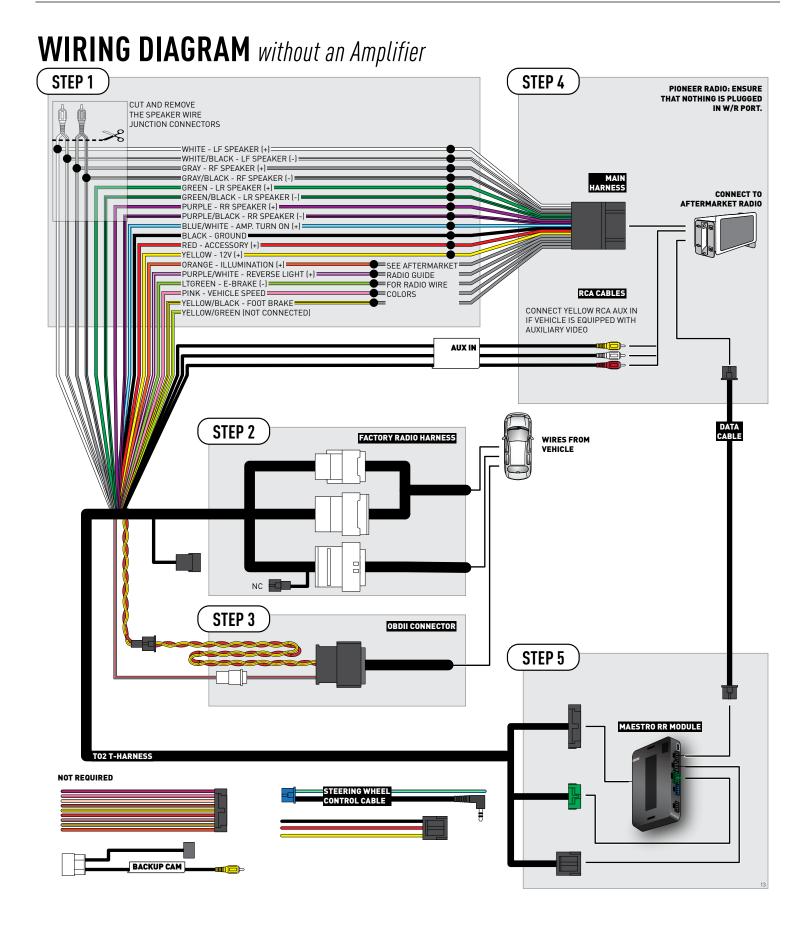
For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 5

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

3





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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2012-2014 TOYOTA CAMRY WITH FACTORY 6.1 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

On Pioneer radio, ensure that there is nothing plugged into

the W/R port.

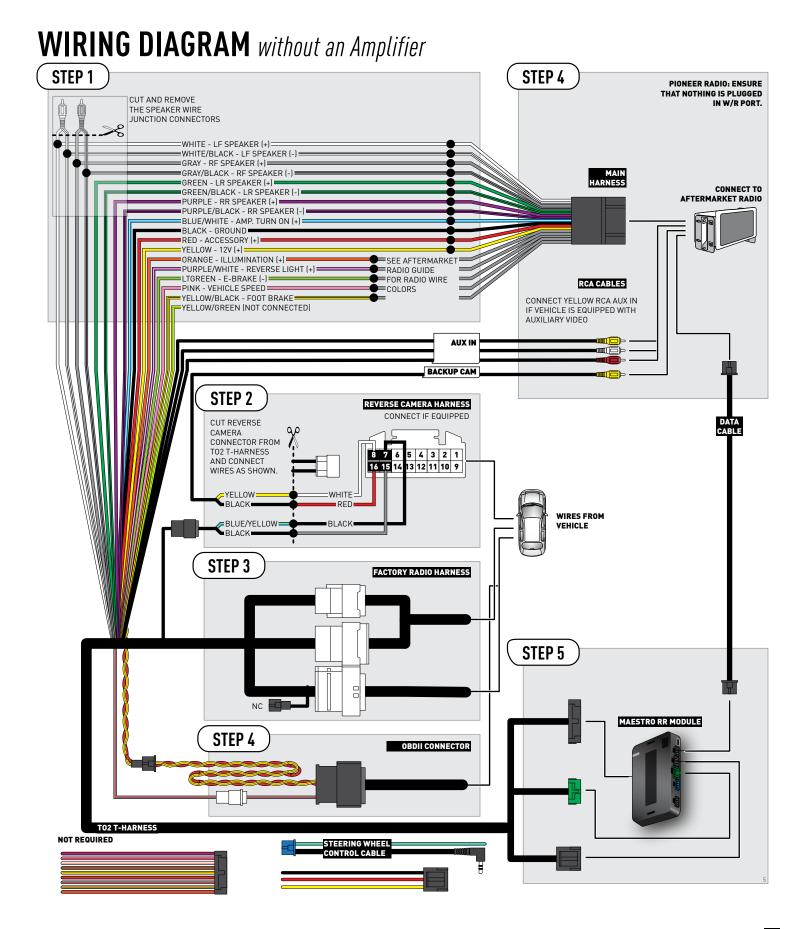
For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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Email: maestro.support@idatalink.com

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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.

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INSTALL GUIDE

2012-2014 TOYOTA CAMRY WITH FACTORY 6.1 INCH SCREEN AND JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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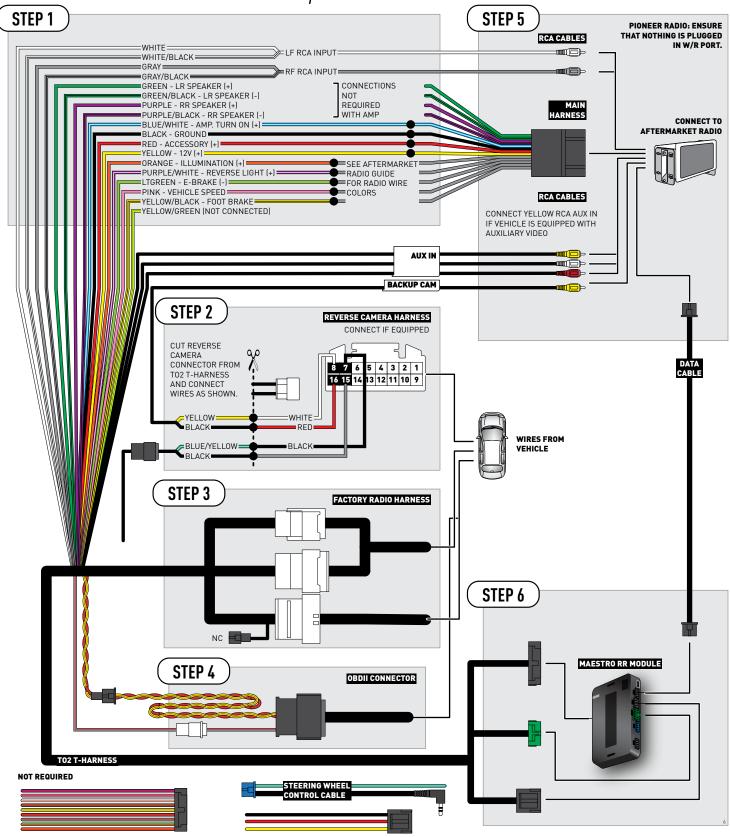
STEP 6

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

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WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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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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2012-2014 TOYOTA CAMRY WITH FACTORY SCREEN AND HDD AND JBL

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ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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STEP 1

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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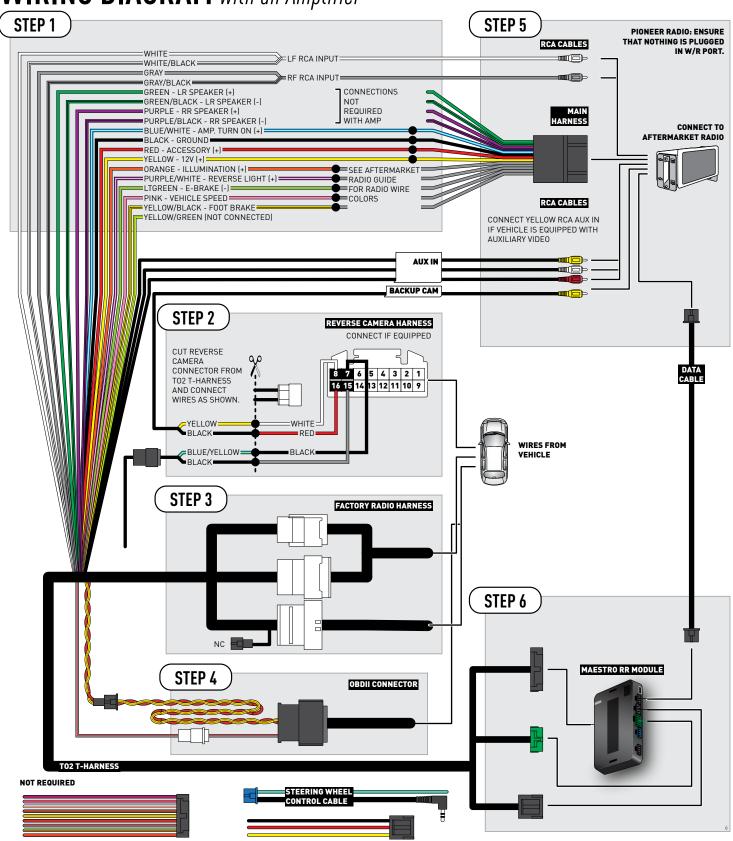
STEP 6

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

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WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2015-2017 TOYOTA CAMRY WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system,

plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

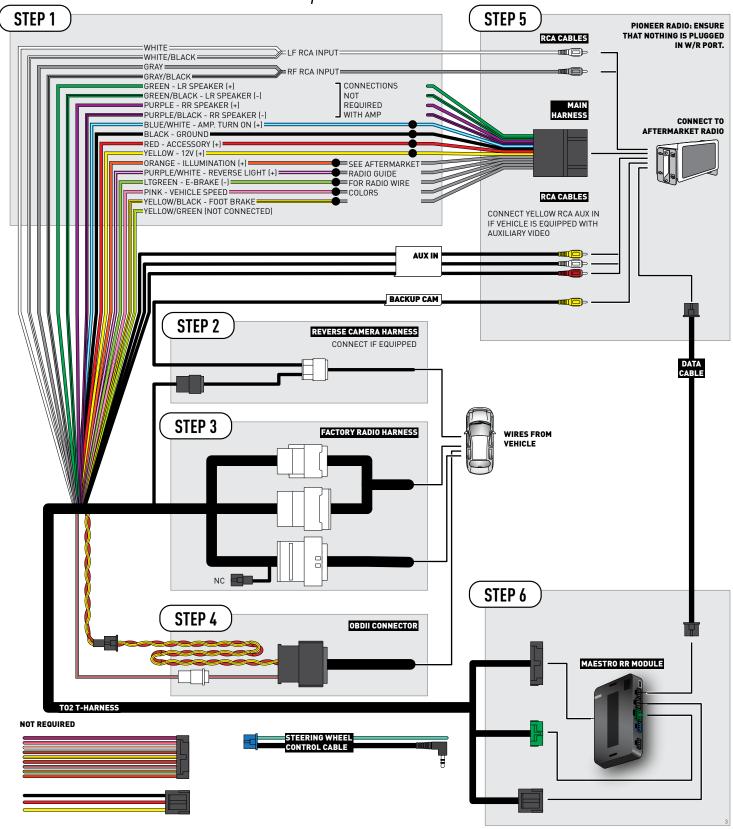
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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.

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INSTALL GUIDE

2015-2017 TOYOTA CAMRY WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

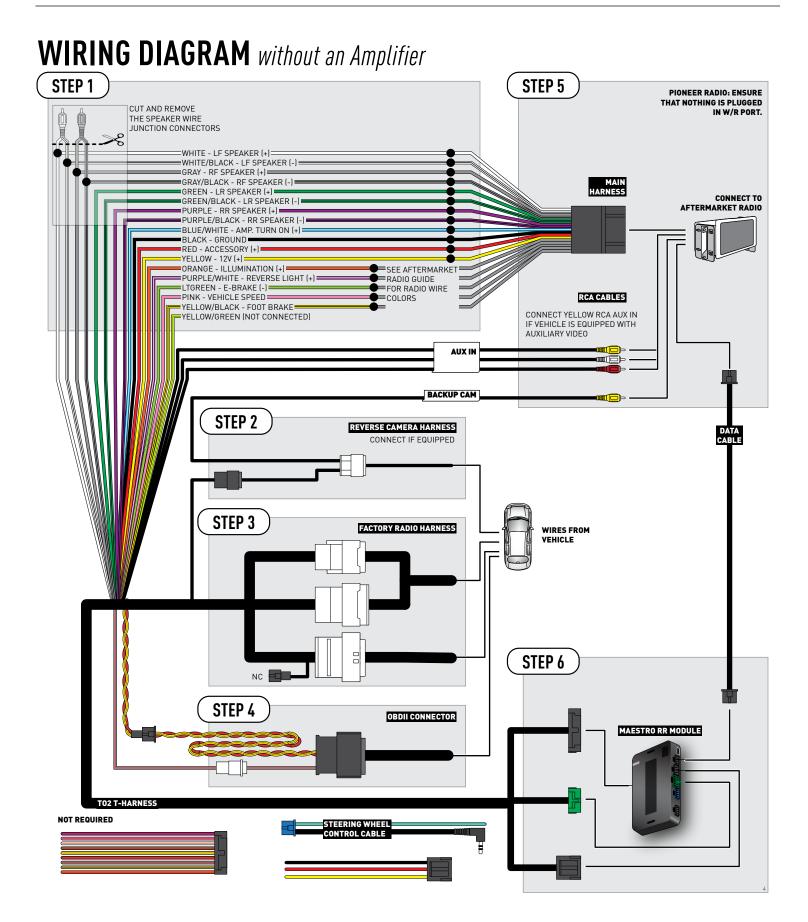
vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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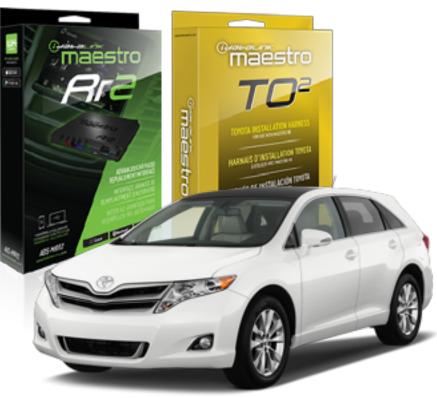


INSTALL GUIDE

2014-2019 TOYOTA COROLLA WITH FACTORY 6.1 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

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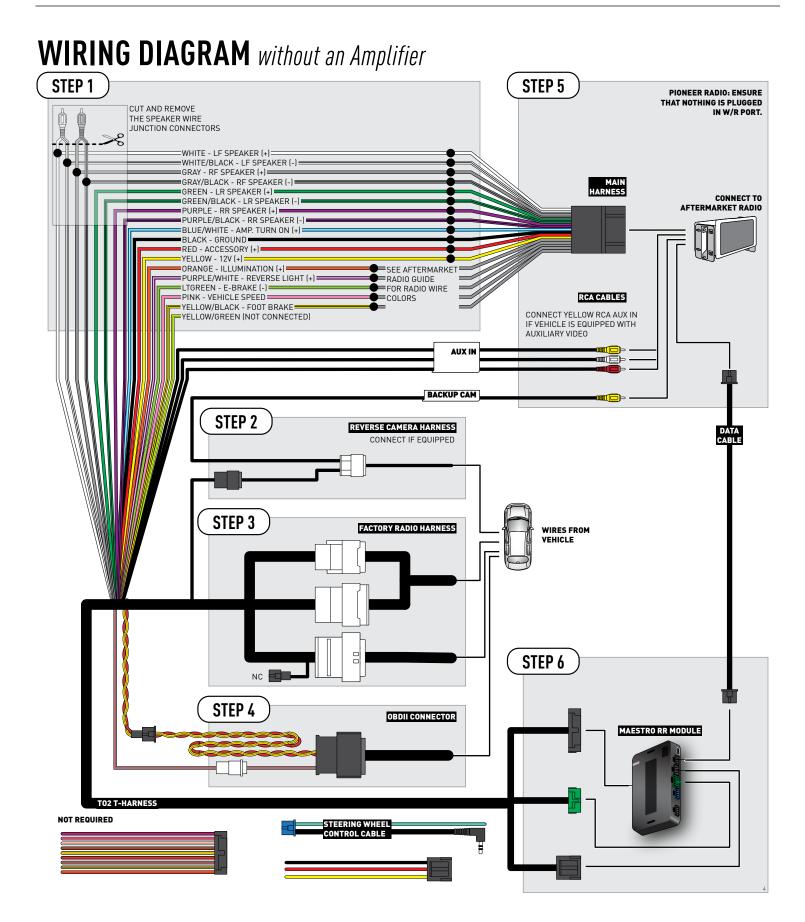
vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.

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INSTALL GUIDE

2014-2019 TOYOTA HIGHLANDER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
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- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
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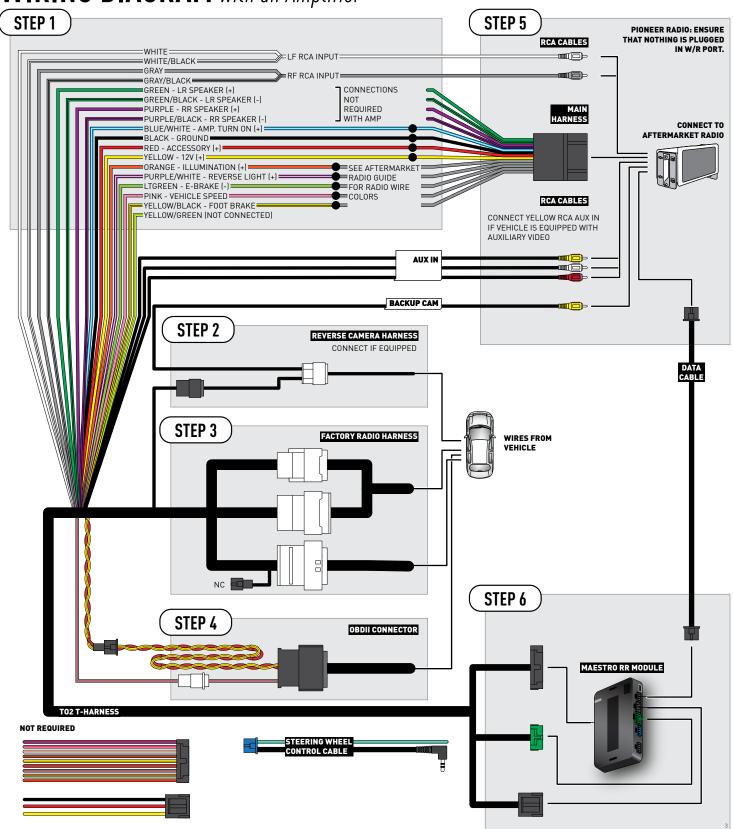
STEP 6

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

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WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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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
Foot Brake	[+]	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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INSTALL GUIDE

2014-2019 TOYOTA HIGHLANDER WITHOUT JBL

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PROGRAMMED FIRMWARE

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ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
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- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

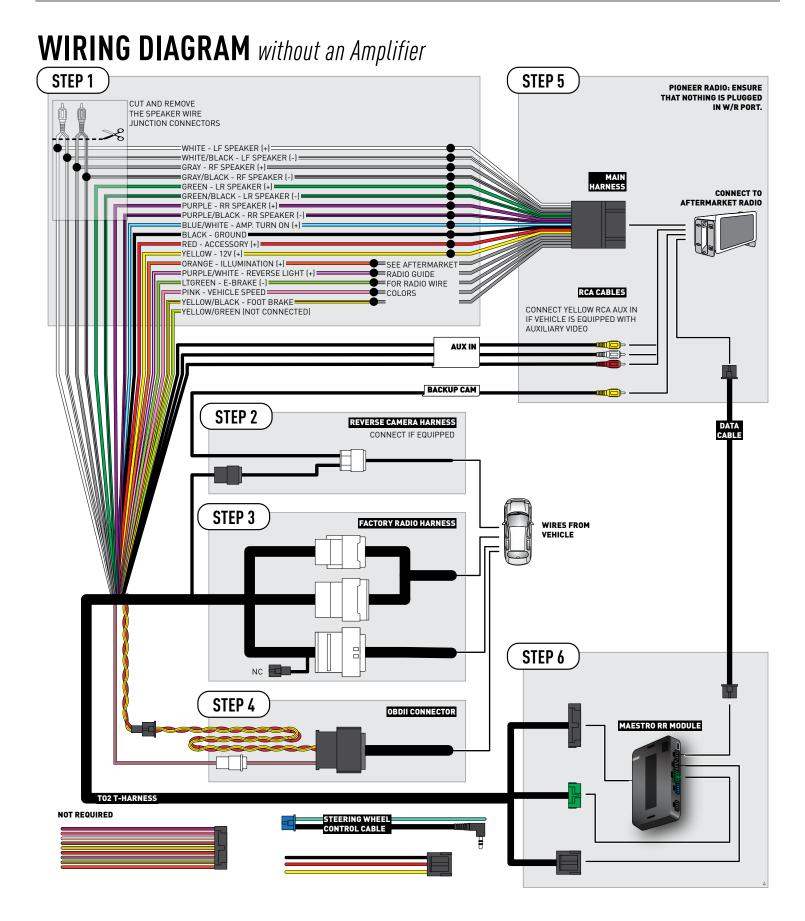
vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

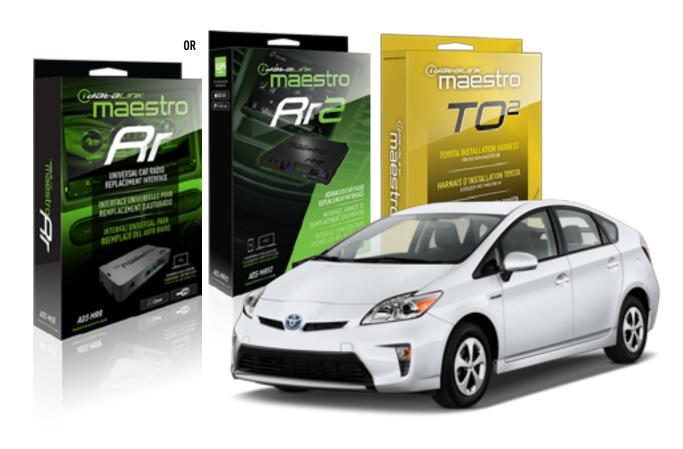
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INSTALL GUIDE

2016-2019 TOYOTA PRIUS BASE

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

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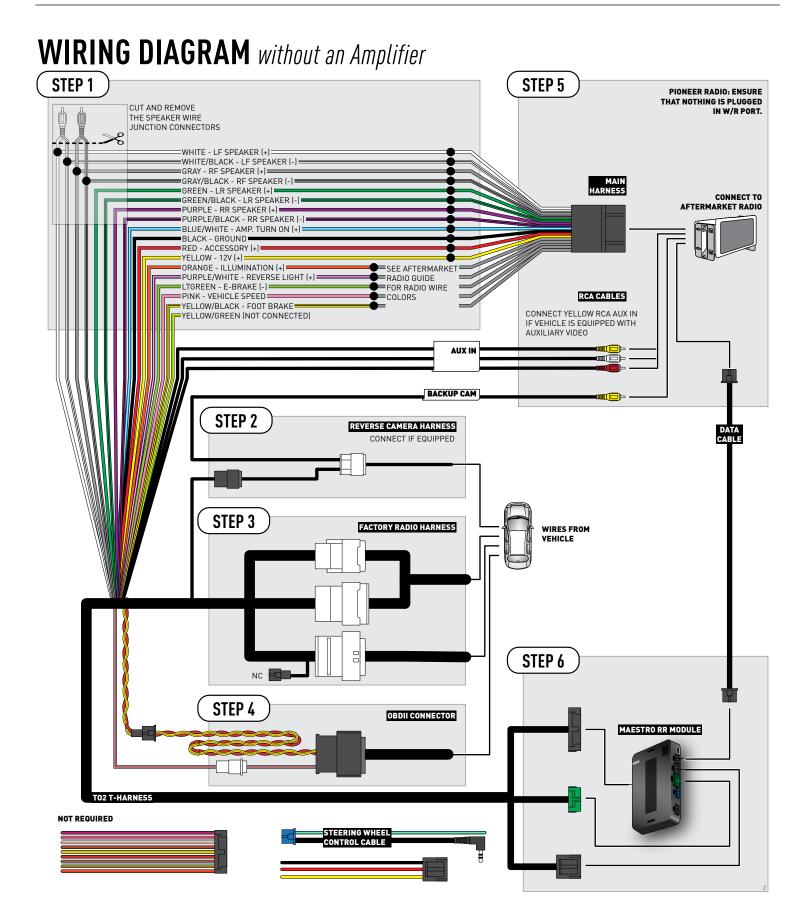
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STEP 6

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO RR RESET PROCEDURE:

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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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INSTALL GUIDE

2015-2019 TOYOTA PRIUS C WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

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plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

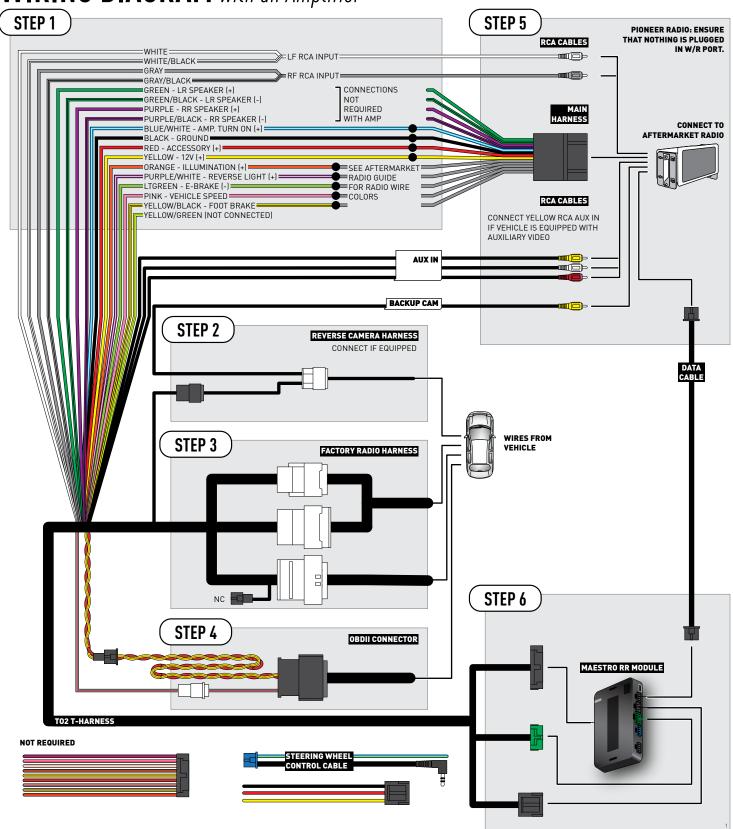
STEP 6

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

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WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO RR RESET PROCEDURE:

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

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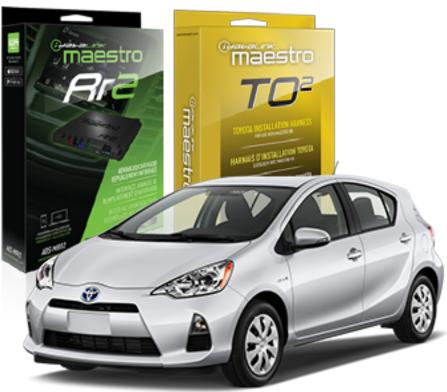


INSTALL GUIDE

2012-2014 TOYOTA PRIUS C WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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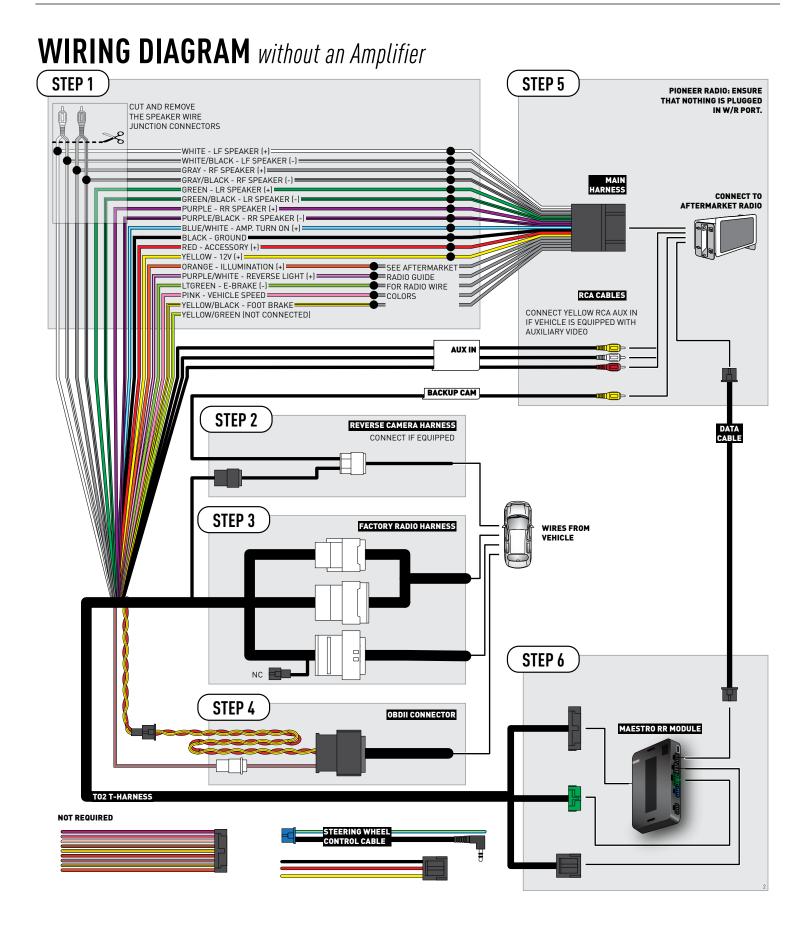
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• Connect all the harnesses to the Maestro RR module then test your installation.

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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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INSTALL GUIDE

2015-2019 TOYOTA PRIUS C WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

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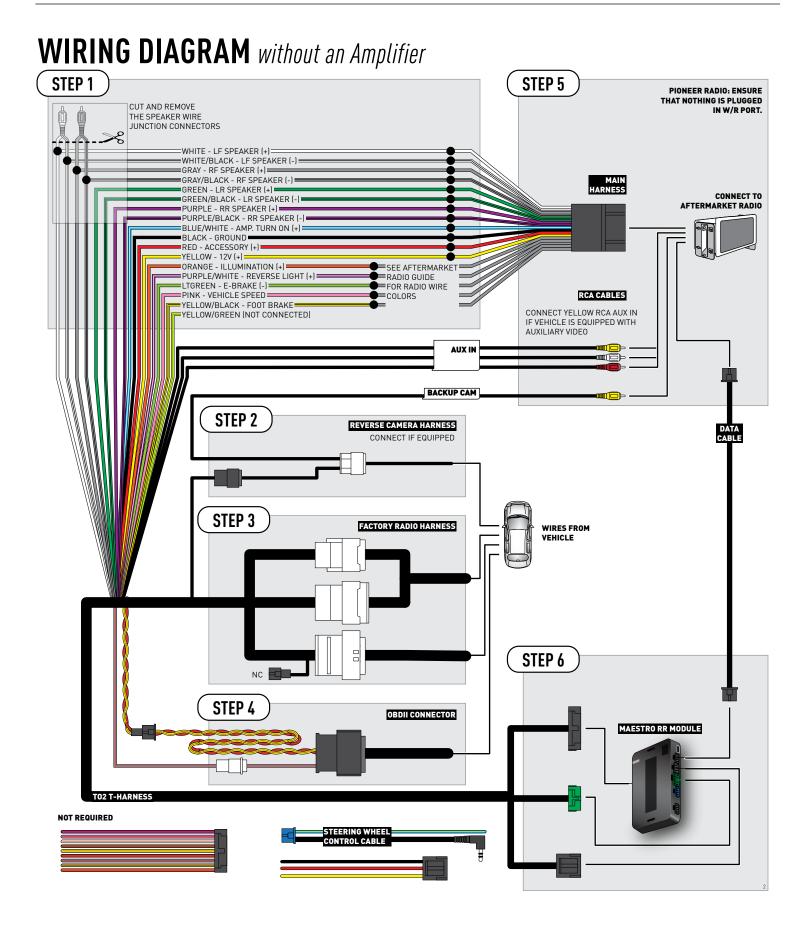
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

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INSTALL GUIDE

2012-2014 TOYOTA PRIUS V WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Troubleshooting Table

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

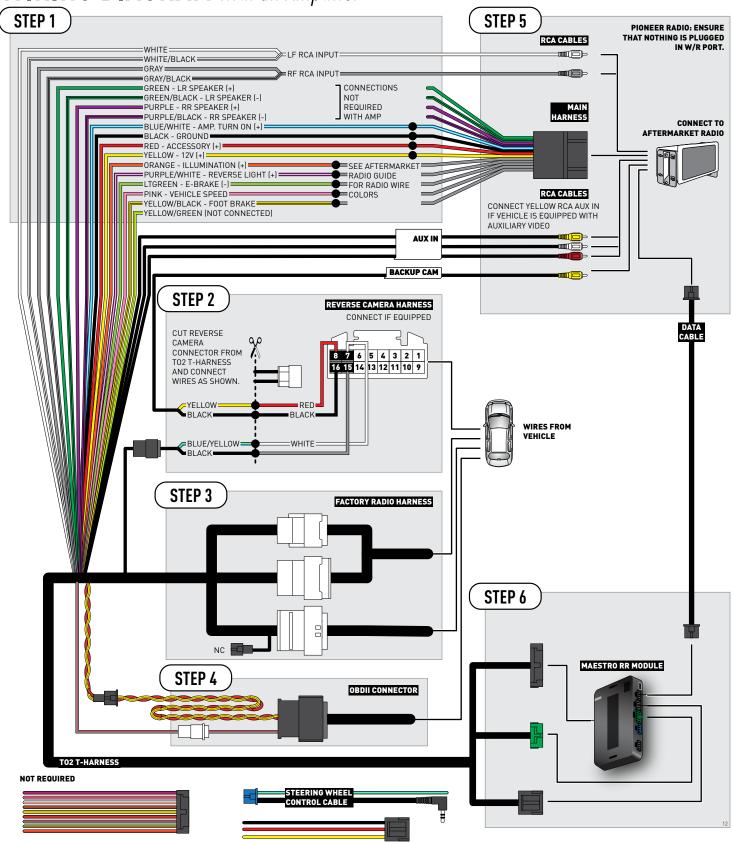
STEP 6

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

2



WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.

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INSTALL GUIDE

2015-2017 TOYOTA PRIUS V WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
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- Plug the OBDII connector into the OBDII of the vehicle.

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- Plug the aftermarket radio harnesses into the aftermarket
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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
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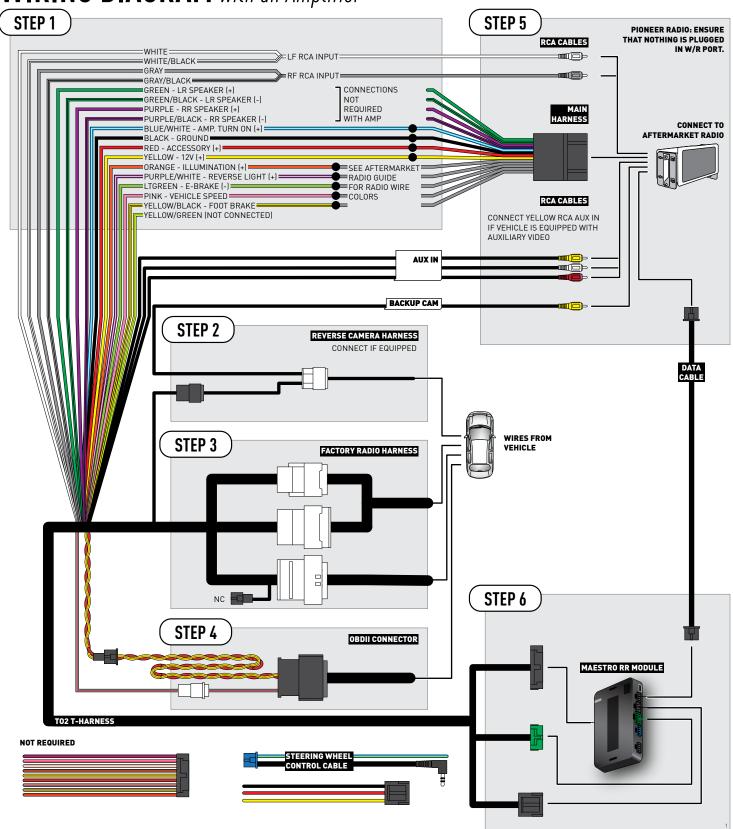
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

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The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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Turn the key to the OFF position, then disconnect all connectors from the module.

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

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INSTALL GUIDE

2012-2014 TOYOTA PRIUS V WITHOUT JBL

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ADS-RR(SR)-T0Y02-DS

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
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- Remove the factory radio.

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 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
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Notes

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

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

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WIRING DIAGRAM without an Amplifier STEP 1 STEP 4 PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS WHITE - LF SPEAKER (+)= ■WHITE/BLACK - LF SPEAKER (-) GRAY - RF SPEAKER (+)= ■GRAY/BLACK - RF SPEAKER (-) ■ ■GREEN - LR SPEAKER (+) CONNECT TO GREEN/BLACK - LR SPEAKER (-) AFTERMARKET RADIO PURPLE - RR SPEAKER (+) =PURPLE/BLACK - RR SPEAKER (-) =BLUE/WHITE - AMP. TURN ON (+) = BLACK - GROUND RED - ACCESSORY (+) YELLOW - 12V (+) ORANGE - ILLUMINATION (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE RCA CABLES FOR RADIO WIRE COLORS ELTGREEN - E-BRAKE (-)= PINK - VEHICLE SPEED CONNECT YELLOW RCA AUX IN =YELLOW/BLACK - FOOT BRAKE IF VEHICLE IS EQUIPPED WITH =YELLOW/GREEN (NOT CONNECTED) AUXILIARY VIDEO **AUX IN BACKUP CAM** STEP 2 REVERSE CAMERA HARNESS CONNECT IF EQUIPPED **CUT REVERSE** CAMERA CONNECTOR FROM T02 T-HARNESS 8 7 6 5 4 3 2 1 16 15 14 13 12 11 10 9 AND CONNECT WIRES AS SHOWN. YELLOW RED BLACK= BLACK BLUE/YELLOW— WIRES FROM WHITE VEHICLE STEP 3 FACTORY RADIO HARNESS STEP 5 MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED



RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

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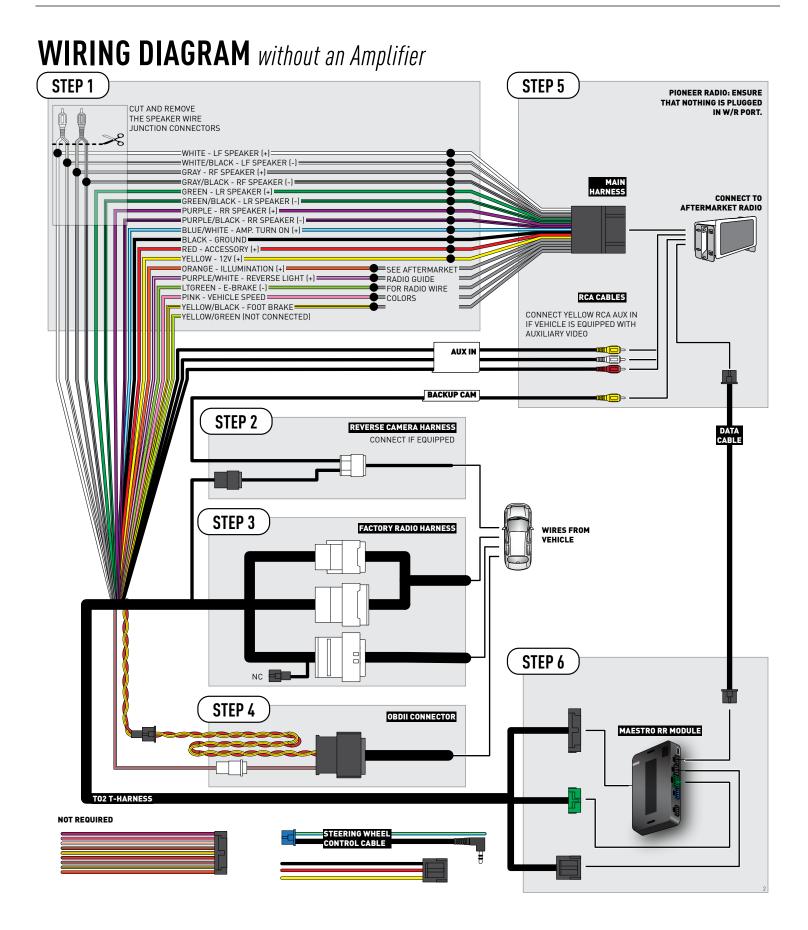
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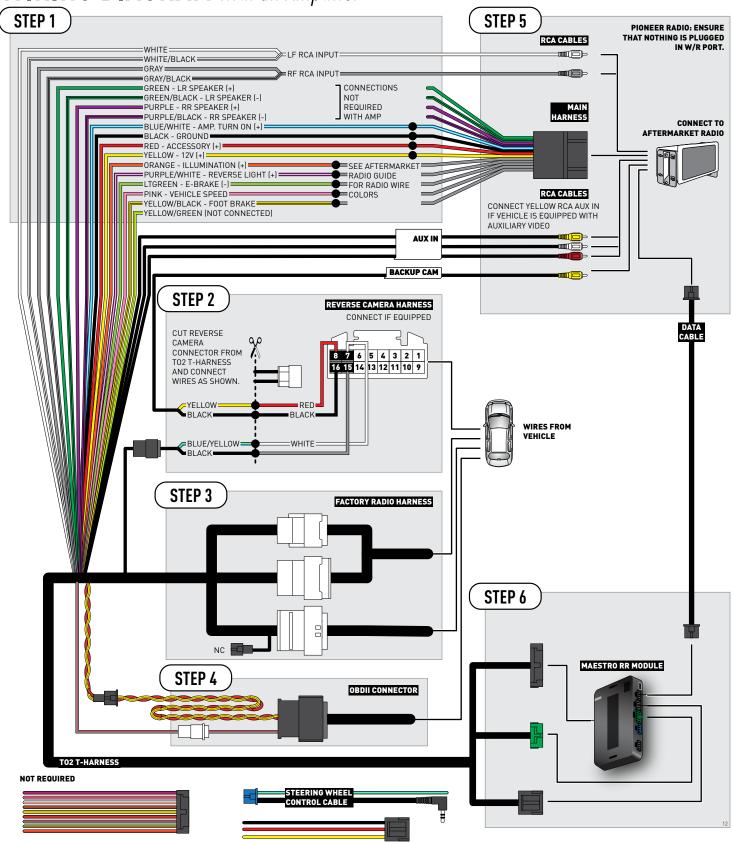
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WIRING DIAGRAM with an Amplifier





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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

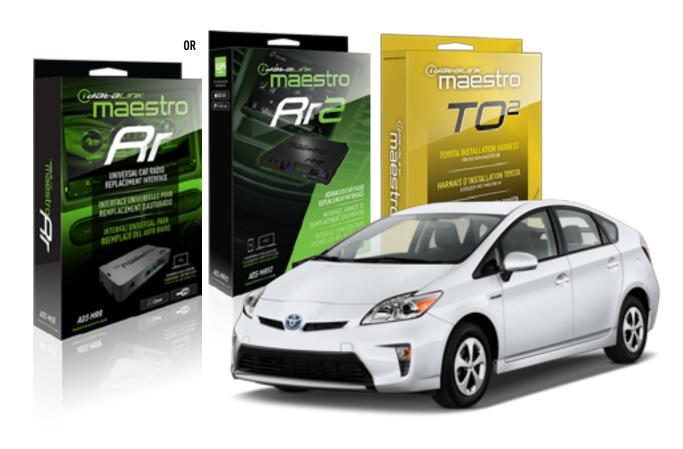
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INSTALL GUIDE

2015-2019 TOYOTA PRIUS WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

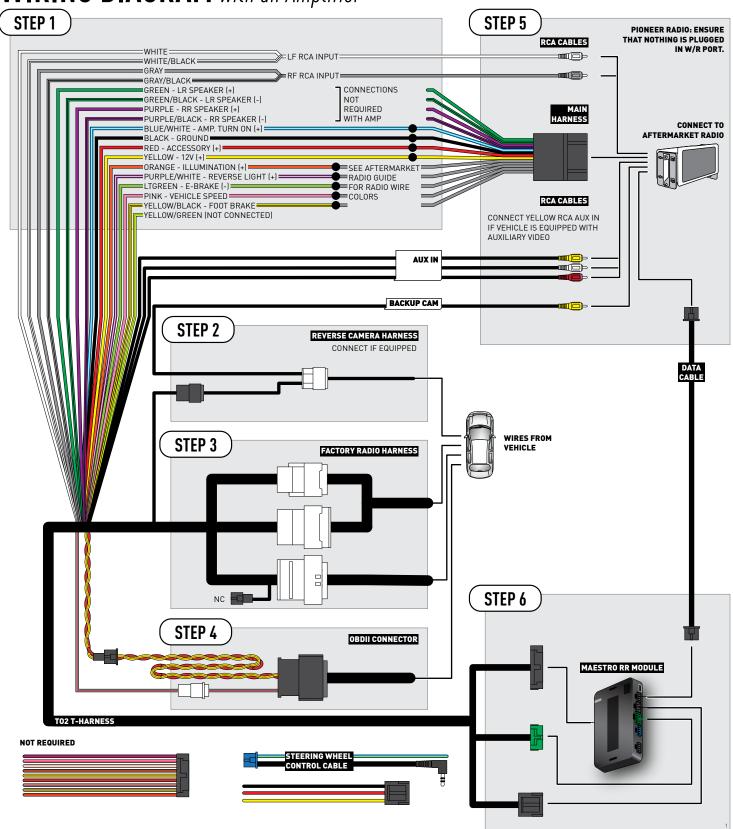
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2012-2014 TOYOTA PRIUS WITH NAV WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

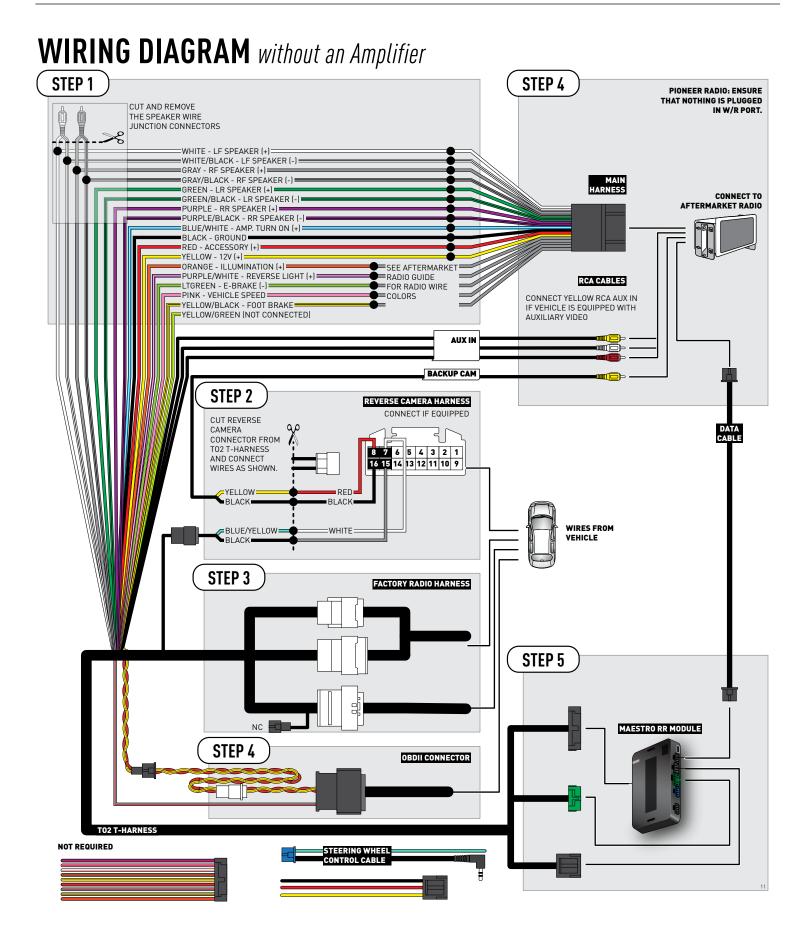
For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2015-2019 TOYOTA PRIUS WITH NAV WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

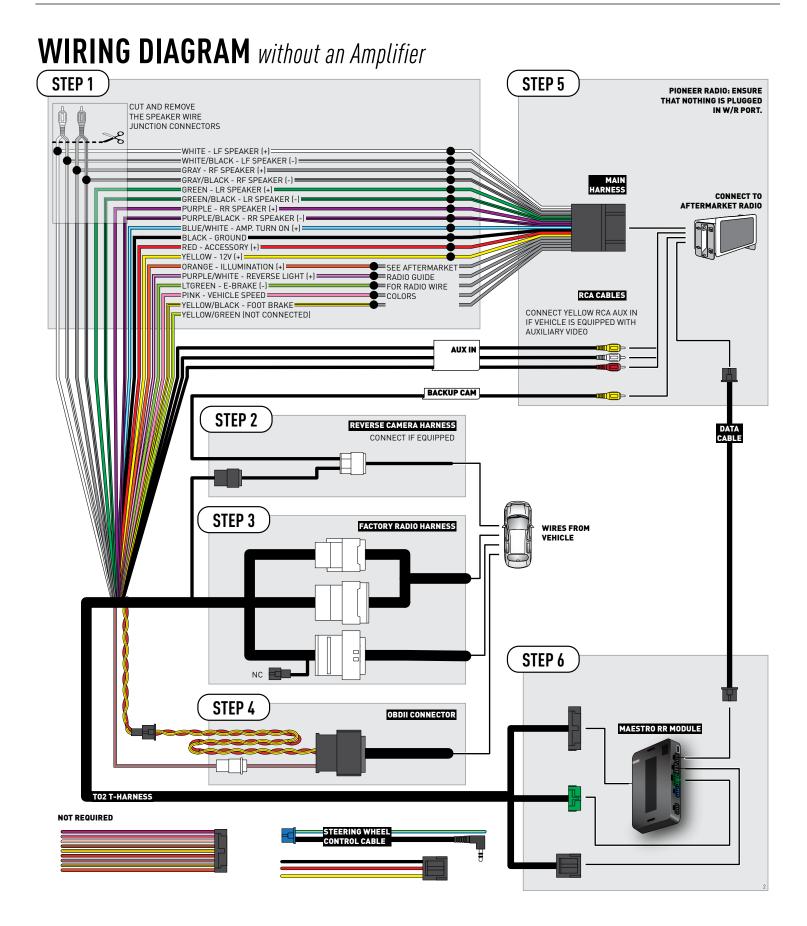
vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.

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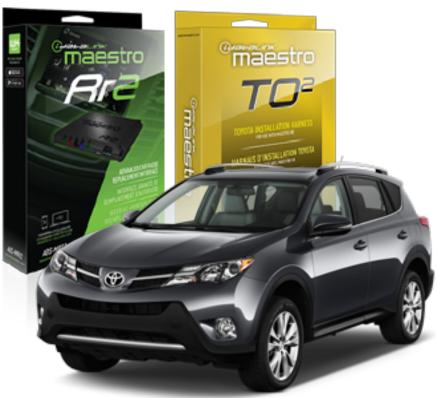


INSTALL GUIDE

2013-2018 TOYOTA RAV 4 WITH FACTORY 6.1 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

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STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
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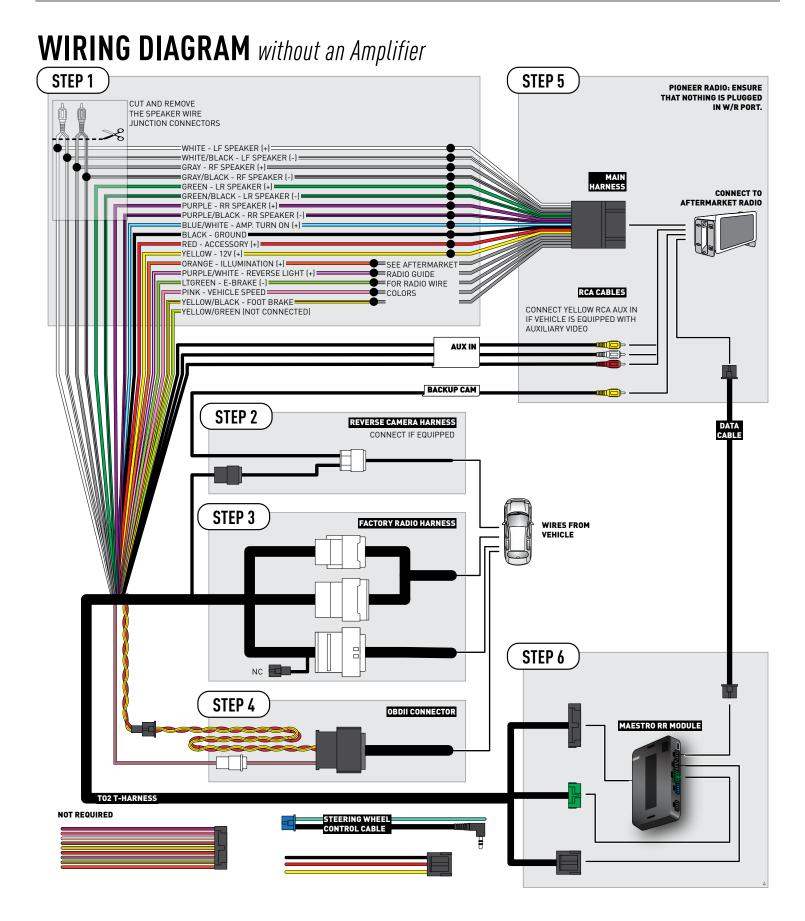
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STEP 6

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

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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Turn the key to the OFF position, then disconnect all connectors from the module.

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

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INSTALL GUIDE

2013-2018 TOYOTA RAV 4 WITH FACTORY 6.1 INCH SCREEN AND JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!





PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

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STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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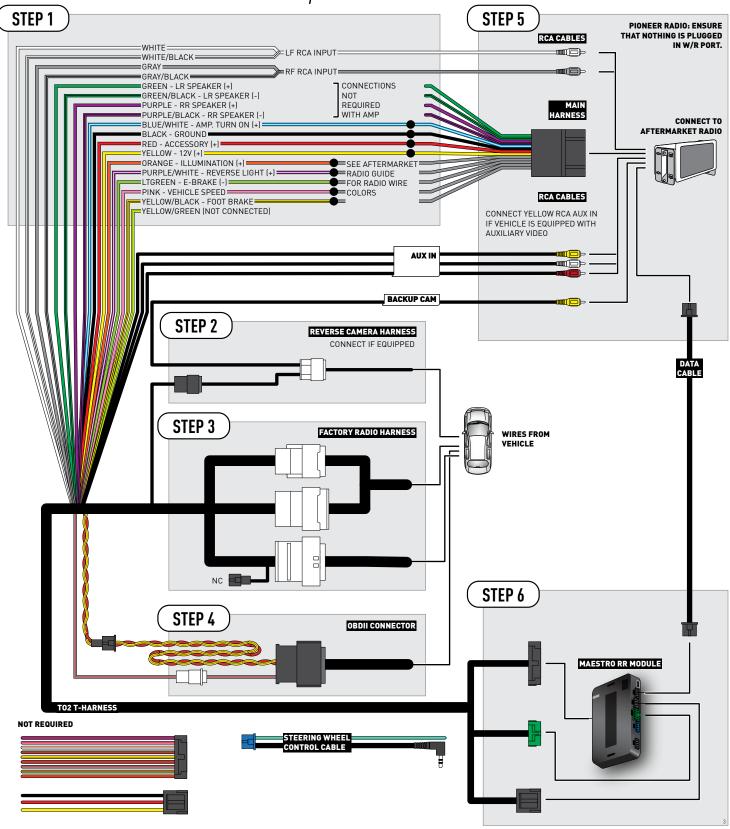
plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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



WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2014-2019 TOYOTA SEQUOIA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

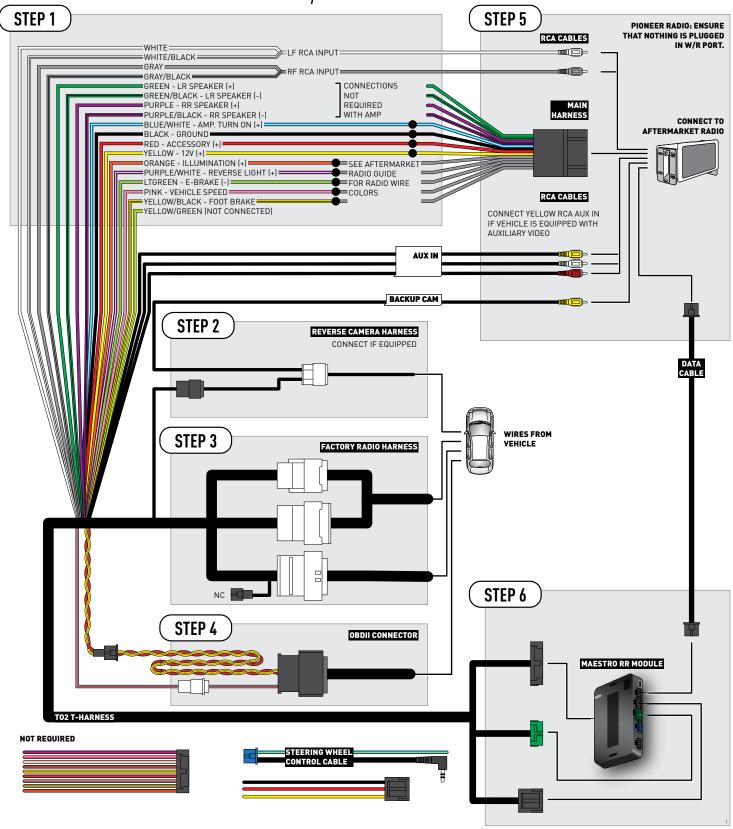
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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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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INSTALL GUIDE

2015-2019 TOYOTA SIENNA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

Note: The reverse camera cannot be retained in this vehicle.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system,

plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

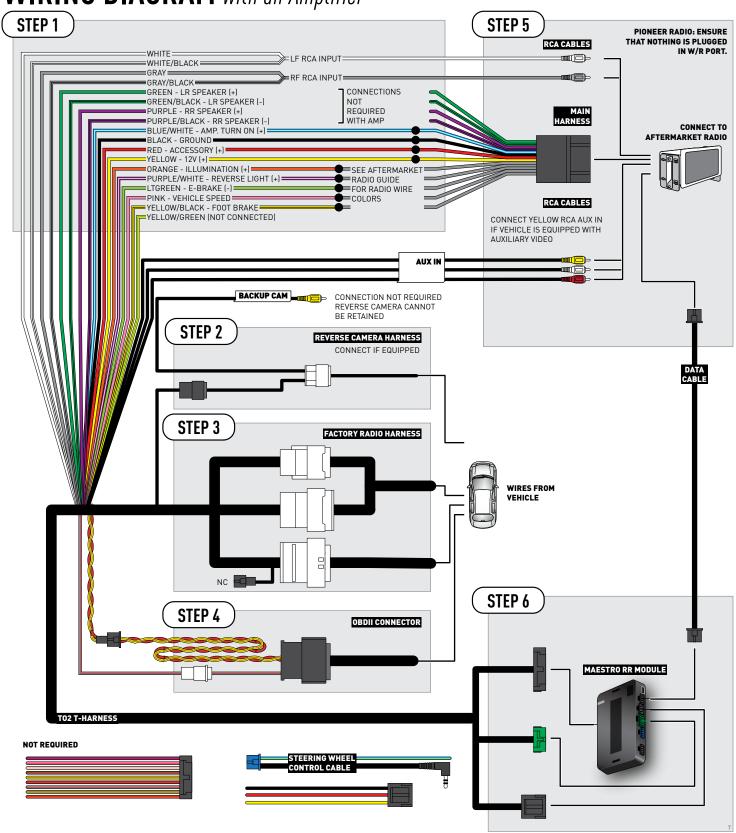
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.

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INSTALL GUIDE

2015-2019 TOYOTA SIENNA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
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- Remove the factory radio.

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• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

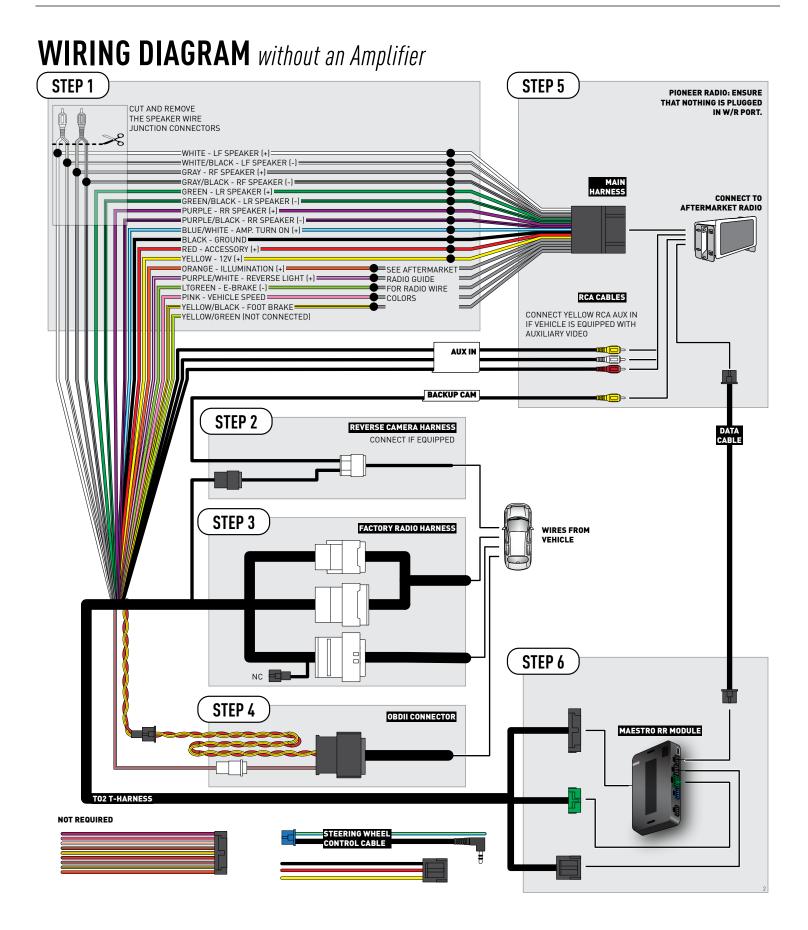
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STEP 6

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

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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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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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INSTALL GUIDE

2016-2019 TOYOTA TACOMA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

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STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

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STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

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- Plug the aftermarket radio harnesses into the aftermarket radio
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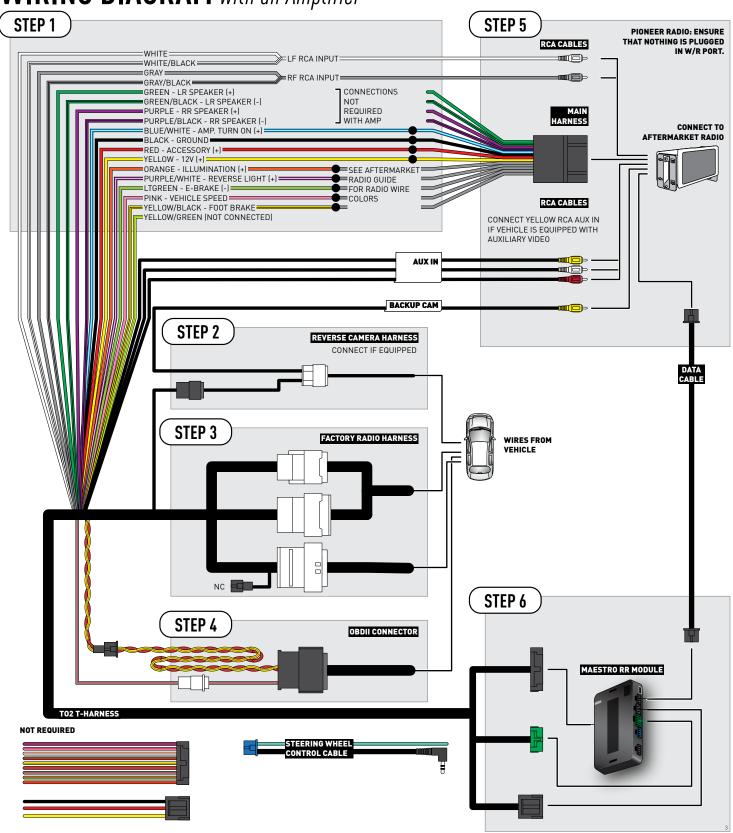
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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the

vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

STEP 6

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

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WIRING DIAGRAM without an Amplifier STEP 1 STEP 5 PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS :WHITE - LF SPEAKER (+)= ■WHITE/BLACK - LF SPEAKER (-) GRAY - RF SPEAKER (+)= ■GRAY/BLACK - RF SPEAKER (-)■ ■GREEN - LR SPEAKER (+) CONNECT TO GREEN/BLACK - LR SPEAKER (-) AFTERMARKET RADIO =PURPLE - RR SPEAKER (+) =PURPLE/BLACK - RR SPEAKER (-) =BLUE/WHITE - AMP. TURN ON (+) = BLACK - GROUND RED - ACCESSORY (+) YELLOW - 12V (+) ORANGE - ILLUMINATION (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+)= =RADIO GUIDE =LTGREEN - E-BRAKE (-) = =PINK - VEHICLE SPEED = FOR RADIO WIRE RCA CABLES = COLORS =YELLOW/BLACK - FOOT BRAKE CONNECT YELLOW RCA AUX IN =YELLOW/GREEN (NOT CONNECTED) IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED STEP 3 FACTORY RADIO HARNESS WIRES FROM VEHICLE STEP 6 STEP 4 **OBDII CONNECTOR** MAESTRO RR MODULE NOT REQUIRED

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RADIO WIRE REFERENCE CHART

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

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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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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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Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2014-2019 TOYOTA TUNDRA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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- Plug the Data cable to the data port of the aftermarket radio.

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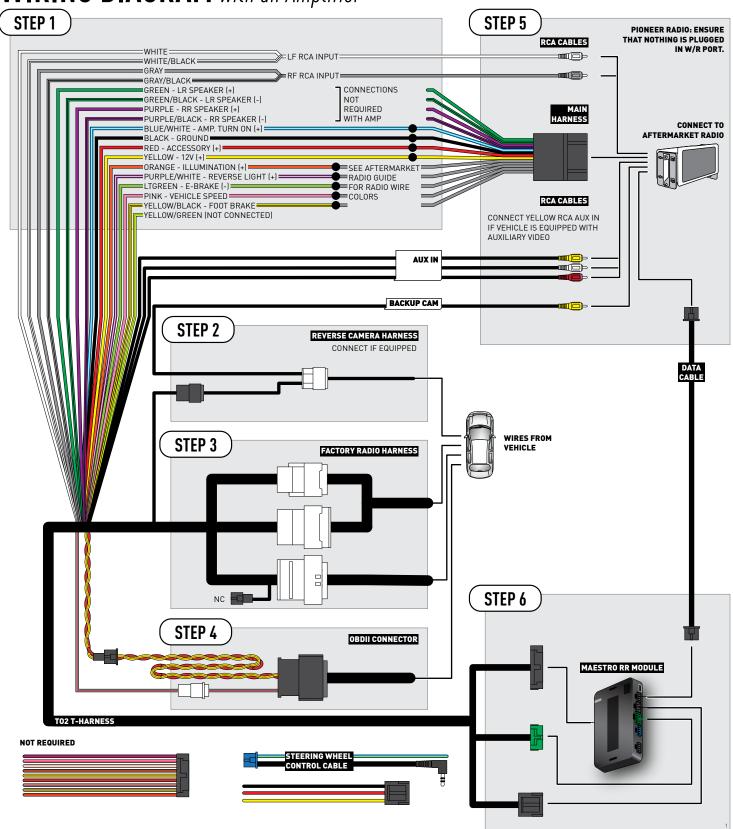
STEP 6

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

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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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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
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TROUBLESHOOTING TABLE

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INSTALL GUIDE

2014-2019 TOYOTA TUNDRA WITH NON-JBL AMP

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
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- Remove the factory radio.

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STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

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• Connect the factory harness to the TO2 T-harness.

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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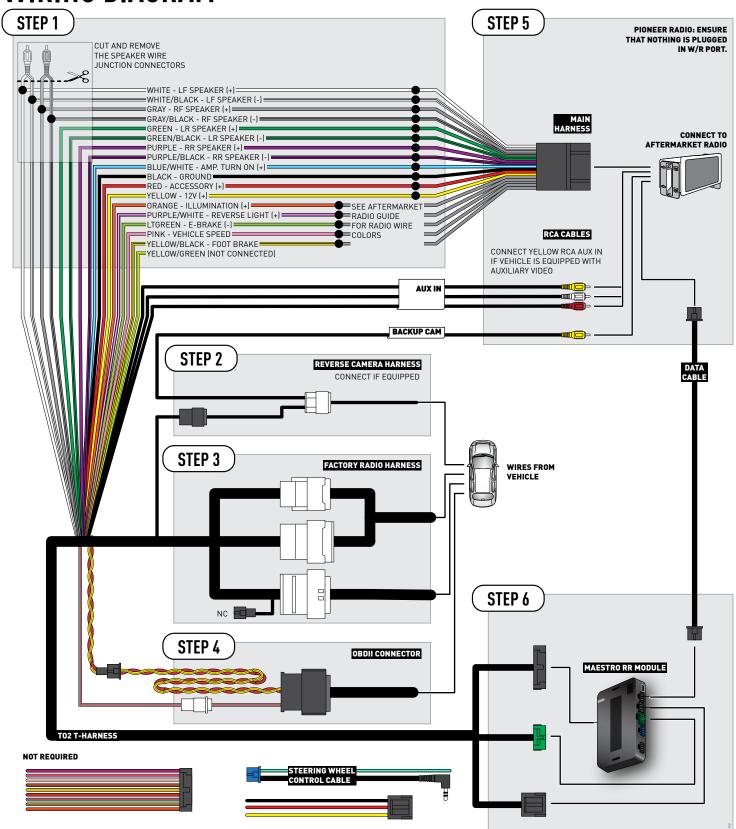
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• Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



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RADIO WIRE REFERENCE CHART

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

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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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.

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INSTALL GUIDE

2014-2019 TOYOTA TUNDRA WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



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INSTALLATION INSTRUCTIONS

STEP 1

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- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
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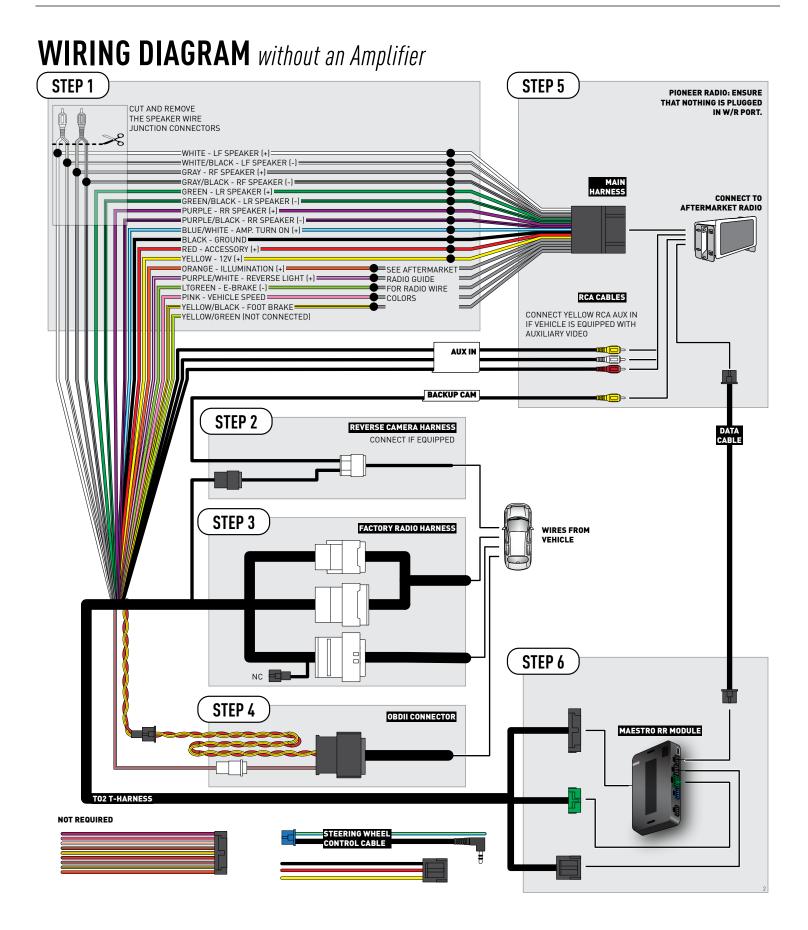
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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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INSTALL GUIDE

2015-2016 TOYOTA VENZA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

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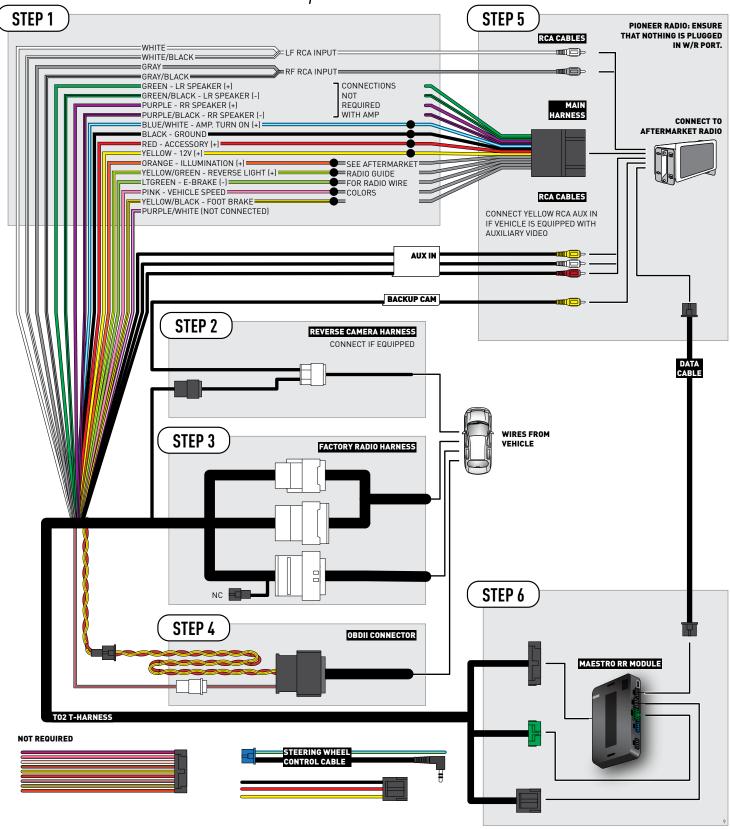
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WIRING DIAGRAM with an Amplifier



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

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PROBLEM	SOLUTION
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INSTALL GUIDE

2013-2014 TOYOTA VENZA WITH JBL AND NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES



Click here for: Radar Installation Guides



WELCOME

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

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

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

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NEED HELP?



1 866 427-2999



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- · Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera: Cut the reverse camera plug of the TO2 T-harness and connect the wires as indicated in the wiring diagram next page (BROWN/RED and BROWN/YELLOW wires are not used).

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Notes

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

For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

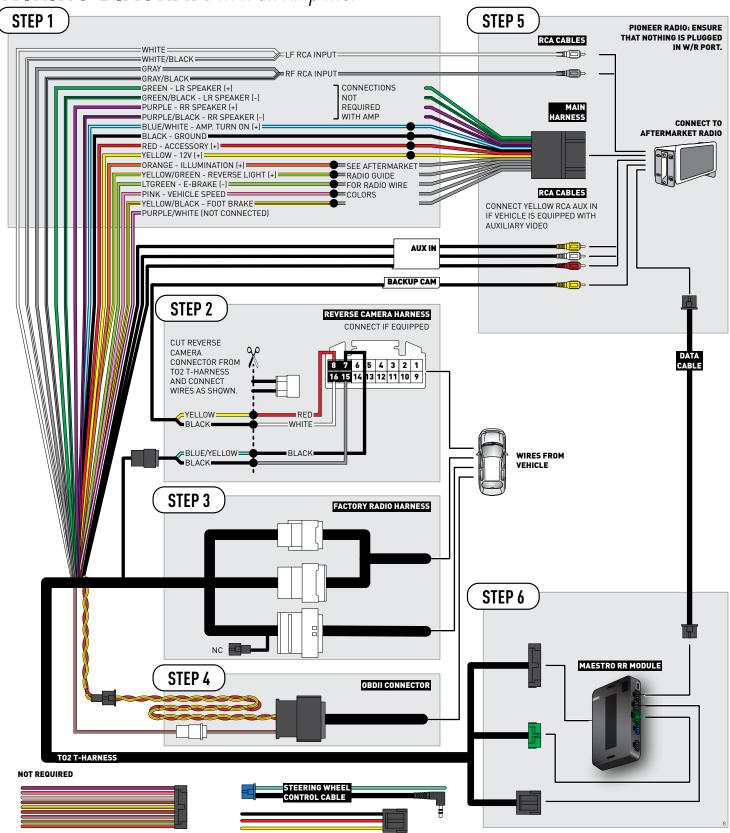
STEP 6

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

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WIRING DIAGRAM with an Amplifier





RADIO WIRE REFERENCE CHART

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

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
The light on the Maestro is blinking RED TWICE .	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

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INSTALL GUIDE

2015-2016 TOYOTA VENZA WITHOUT JBL

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO2 T-harness and match the wire functions.
- Remove the factory radio.

For vehicles with bird's eye view: to retain this system, connect Yellow/Green wire from TO2 T-Harness to the radio's Purple/White wire.

STEP 2

 If the vehicle is equipped with an OEM backup camera, connect the TO2 T-harness to the backup camera harness.

STEP 3

• Connect the factory harness to the TO2 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the TO2 T-harness.
- Plug the Black 2 pin connector of the TO2 T-harness into the Black 2 pin connector on the OBDII harness.
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- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
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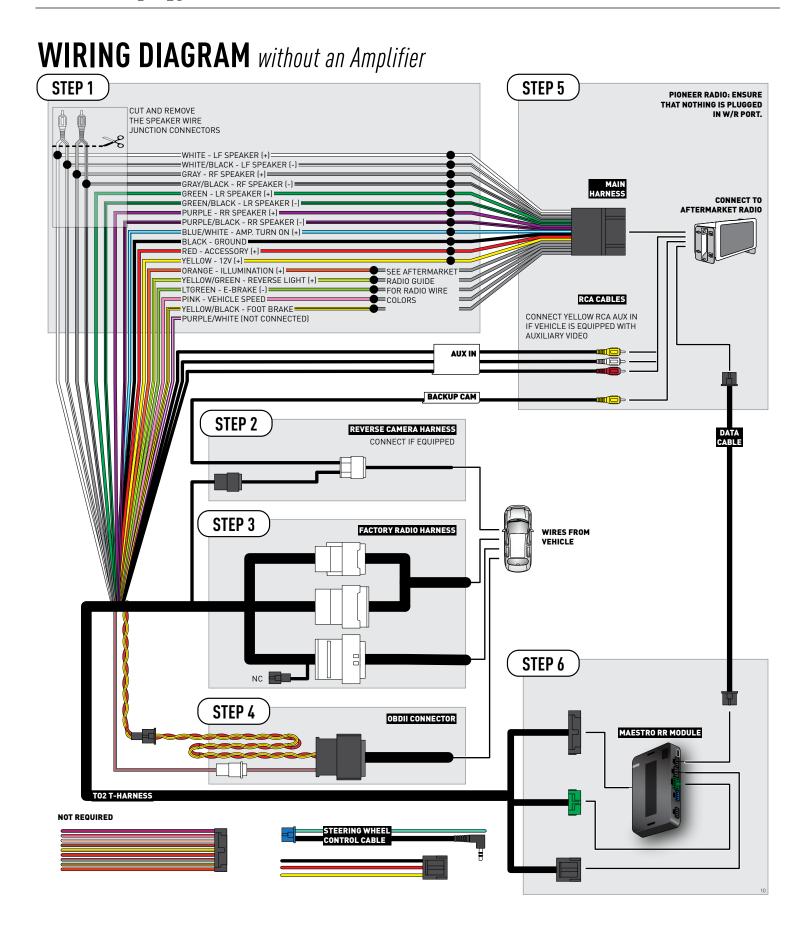
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STEP 6

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

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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
Foot Brake	[+]	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. Reset the RR.
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