HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.

2. Print only the pages for your vehicle using the advanced options in the Print menu.

3. Install your Maestro RR according to the guide for your vehicle.

WARNING

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

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

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-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SRI)-TOY02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

Click here for:
Radar Installation Guides

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NEED HELP?

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maestro.support@idatalink.com

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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
• 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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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

**STEP 1**

- WHITE
- WHITE/BLACK
- GRAY
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**

- REVERSE CAMERA HARNESS
- CONNECT IF EQUIPPED

**STEP 3**

- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**

- OBDII CONNECTOR
- TO2 T-HARNESS
- STEERING WHEEL CONTROL CABLE
- NOT REQUIRED

**STEP 5**

- RCA CABLES
- MAIN HARNESS
- AUX IN
- BACKUP CAM

**STEP 6**

- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

- CONNECT TO AFTERMARKET RADIO
- STEP 2
- STEP 3
- STEP 4
- STEP 5
- STEP 6
- DATA CABLE
- MAESTRO RR MODULE
- AUXILIARY VIDEO

**NOT REQUIRED**

- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
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<td>The light on the Maestro is blinking RED TWICE.</td>
<td>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. &lt;br&gt; 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.</td>
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**MAESTRO RR RESET PROCEDURE:**

Turn the key to the OFF position, then disconnect all connectors from the module.<br> 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).<br> Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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- 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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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM** without an Amplifier

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness. Connect if equipped.

**STEP 3**
Factory radio harness.

**STEP 4**
Obdii connector.

**STEP 5**
Pioneer radio: Ensure that nothing is plugged in W/R port.

**STEP 6**
Connect to aftermarket radio.

**NOT REQUIRED**
Steering wheel control cable.
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Reset the RR.                                                            |
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- WHITE
- WHITE/BLACK
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- GREEN - LR SPEAKER (+)
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- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- RED - ACCESSORY (+)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**
- REVERSE CAMERA HARNESS
  - CONNECT IF EQUIPPED

**STEP 3**
- FACTORY RADIO HARNESS
  - WIRING FROM VEHICLE

**STEP 4**
- RCA CABLES
  - MAIN HARNESS
  - Conexion NOT REQUIRED WITH AMP
  - PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**STEP 5**
- RCA CABLES
  - MAESTRO RR MODULE
  - CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**NOT REQUIRED**
- TO2 T-HARNESS
- STEERING WHEEL CONTROL CABLE

---

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

WIRING FROM VEHICLE

SEE AFTERMARKET RADIO GUIDE FOR RADIO WIRE COLORS

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NEED HELP?

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maestro.support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum
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

• 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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STEP 5

• Connect all the harnesses to the Maestro RR module then test your installation.
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<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
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<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
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</tr>
<tr>
<td>Foot Brake</td>
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<td>Yellow/Black</td>
<td>N/A</td>
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</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
<td>N/A</td>
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</tr>
<tr>
<td>The light on the Maestro is blinking RED TWICE.</td>
<td>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.</td>
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<td>There is no firmware on the module; flash the RR module.</td>
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MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE
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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.
INSTALL GUIDE

2013-2014
TOYOTA AVALON
WITH NAV WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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

PRODUCTS REQUIRED
iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED Firmware
ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
Click here for:
K40 Electronics
ESCORT
Radar Installation Guides
WELCOME

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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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• 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

• 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 5

• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
Cut and remove the speaker wire junction connectors.

- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY/BLACK - RF SPEAKER (+)
- GRAY - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED
- LT GREEN - E-BRAKE (-)
- BLUE/WHITE - AMP. TURN ON (+)
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**
Cut reverse camera connector from TO2 T-Harness and connect wires as shown.

- YELLOW
- WHITE
- BLACK
- BLUE/YELLOW
- BLACK
- LT GREEN

**STEP 3**
Connect if equipped.

**STEP 4**
Connect to aftermarket radio.

**STEP 5**
Connect yellow RCA AUX in if vehicle is equipped with auxiliary video.

Main Harness
RCA Cables
Connect to \aftermarket radio
Data Cable
Connect wires from vehicle.

**NOT REQUIRED**
Steering Wheel Control Cable

Factory Radio Harness
Reverse Camera Harness
Connect if equipped.

TO2 T-Harness

Pioneer radio: Ensure that nothing is plugged in W/R port.

Wire from vehicle.
# RADIO WIRE REFERENCE CHART

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<td>Orange</td>
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<td>N/A</td>
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<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
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<td>Pink</td>
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<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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## Maestro RR Reset Procedure:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

## Technical Assistance

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INSTALL GUIDE
2015-2019
TOYOTA AVALON
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
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iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR[iR]-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
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Radar Installation Guides

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STEP 1

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- 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

- 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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STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)
- **YELLOW** - FOOT BRAKE
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **PINK** - VEHICLE SPEED
- **LTGREEN** - E-BRAKE (-)
- **BLUE/WHITE** - AMP. TURN ON (+)
- **YELLOW/GREEN** - (NOT CONNECTED)

**STEP 2**
Reverse Camera Harness Connect if equipped.

**STEP 3**
Factory Radio Harness

**STEP 4**
Main Harness

**STEP 5**
Data Cable

Pioneer Radio: Ensure that nothing is plugged in W/R port.

Connect TO2 T-Harness.

Connect Yellow RCA AUX in if vehicle is equipped with auxiliary video.

Connect to aftermarket radio.

Connect YELLOW RCA AUX IN if vehicle is equipped with auxiliary video.

Wiring Diagram without an Amplifier.

Cut and remove the speaker wire junction connectors.

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- **LTGREEN** - E-BRAKE (-)
- **BLUE/WHITE** - AMP. TURN ON (+)
- **YELLOW/GREEN** (NOT CONNECTED)

Connect TO2 T-Harness.

Connect yellow RCA AUX in if vehicle is equipped with auxiliary video.

Connect to aftermarket radio.

CONNECT TO AFTERMARKET RADIO

CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

Connect to aftermarket radio.

Pioneer Radio: Ensure that nothing is plugged in W/R port.

Connect TO2 T-Harness.

Connect yellow RCA AUX in if vehicle is equipped with auxiliary video.

Connect to aftermarket radio.

Pioneer Radio: Ensure that nothing is plugged in W/R port.

Connect TO2 T-Harness.

Steering Wheel Control Cable

NOT REQUIRED

(data and diagram continued)
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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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### IMPORTANT:

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INSTALL GUIDE

2012-2014

TOYOTA CAMRY

WITH FACTORY 6.1" SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED

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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).

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STEP 5
• Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM without an Amplifier**

**STEP 1**
- Cut and remove the speaker wire junction connectors.

**STEP 2**
- Cut reverse camera connector from TO2 T-Harness and connect wires as shown.
  - Yellow: White/Black - LR SPEAKER (+)
  - Black: Gray/Black - RR SPEAKER (-)
  - Blue/Yellow: Purple/Black - RR SPEAKER (-)
  - Black: Gray/Black - RF SPEAKER (-)
  - Red/Yellow: Orange - ILLUMINATION (+)
  - Purple/White: Purple/Black - REVERSE LIGHT (+)
  - Pink: Pink - VEHICLE SPEED
  - LtGreen: LTGREEN - E-BRAKE (-)

**STEP 3**
- Factory radio harness.

**STEP 4**
- Pioneer Radio: Ensure that nothing is plugged in W/R Port.

**STEP 5**
- TO2 T-Harness.

**NOT REQUIRED**
- Wiring diagram for vehicles without an amplifier.
## RADIO WIRE REFERENCE CHART

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<tr>
<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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## MAESTRO RR RESET PROCEDURE:

1. Turn the key to the OFF position, then disconnect all connectors from the module.
2. 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).
3. 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.
INSTALL GUIDE

2012-2014

TOYOTA CAMRY

WITH FACTORY 6.1" SCREEN AND JBL

RETTAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
Click here for:
Radar Installation Guides

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WELCOME

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

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

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

NEED HELP?

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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
• 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 5
• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

**STEP 1**
- WHITE
- WHITE/BLACK
- GRAY
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- BLUE/WHITE - AMP. TURN ON (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/GREEN (NOT CONNECTED)
- BLACK - GROUND
- RED - ACCESSORY (-)
- BLACK - GROUND
- BLUE/YELLOW

**STEP 2**
- CUT REVERSE CAMERA CONNECTOR FROM TO2 T-HARNESS AND CONNECT WIRES AS SHOWN.
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**STEP 3**
- FACTORY RADIO HARNESS
- TO2 T-HARNESS
- STEERING WHEEL CONTROL CABLE
- NOT REQUIRED

**STEP 4**
- RCA CABLES
- MAIN HARNESS
- RCA CABLES
- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**STEP 5**
- CONNECT IF EQUIPPED YELLOW/GREEN (NOT CONNECTED)
- CONNECT TO AFTERMARKET RADIO WITH AN AMPLIFIER
- DATA CABLE
- WIRES FROM VEHICLE
- STEERING WHEEL CONTROL CABLE
- NOT REQUIRED

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

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ADS-RR(SR)-TOY02-DS-IG-EN
maestro.idatalink.com
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INSTALL GUIDE

2012-2014

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ADS-RR|SRI-TOY02-DS

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NEED HELP?

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K40 Electronics Radar Installation Guides

OR

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- RED - ACCESSORY (+)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**

- REVERSE CAMERA HARNESS
- CONNECT IF EQUIPPED

**STEP 3**

- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**

- RCA CABLES
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO
- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**STEP 5**

- DATA CABLE
- MAESTRO RR MODULE
- STEERING WHEEL CONTROL CABLE
- NOT REQUIRED
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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.
RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SRI)-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
Click here for: Radar Installation Guides

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

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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

• 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 5

• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)
- **YELLOW/BLACK** - FOOT BRAKE
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **BLUE/WHITE** - AMP TURN ON (+)
- **RED** - ACCESSORY (+)
- **RED - GROUND**
- **YELLOW** - 12V (+)
- **YELLOW/BLACK** - FOOT BRAKE
- **YELLOW/GREEN (NOT CONNECTED)**
- **GRAY** - RF SPEAKER (+)
- **GRAY/BLACK** - RF SPEAKER (-)
- **WHITE** - LF SPEAKER (+)
- **WHITE/BLACK** - LF SPEAKER (-)
- **GREEN** - LR SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **YELLOW** - 12V (+)
- **YELLOW/BLACK** - FOOT BRAKE
- **YELLOW/GREEN (NOT CONNECTED)**
- **BLUE** - POWER (+)
- **BLUE/WHITE** - AMP TURN ON (+)
- **MAESTRO RR MODULE**

**STEP 2**
Reverse camera harness connect if equipped.

**STEP 3**
Factory radio harness connect.

**STEP 4**
Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 5**
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 (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)
- **YELLOW/BLACK** - FOOT BRAKE
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
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- **GREEN** - LR SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **YELLOW** - 12V (+)
- **YELLOW/BLACK** - FOOT BRAKE
- **YELLOW/GREEN (NOT CONNECTED)**
- **BLUE** - POWER (+)
- **BLUE/WHITE** - AMP TURN ON (+)
- **MAESTRO RR MODULE**

**DATA CABLE**
Connect to aftermarket radio.

**REVERSE CAMERA HARNESS**
Connect if equipped.

**FACTORY RADIO HARNESS**
Connect.

**TO2 T-HARNESS**
Wires from vehicle.

**NOT REQUIRED**
Steering wheel control cable.

**CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS**

**CONNECT TO AFTERMARKET RADIO**

**CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO**

**SEE AFTERMARKET RADIO GUIDE FOR RADIO WIRE COLORS**

**CONNECT IF EQUIPPED**

**YELLOW/GREEN (NOT CONNECTED)**

**NOT REQUIRED**

**STEERING WHEEL CONTROL CABLE**
## RADIO WIRE REFERENCE CHART

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</tr>
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<td>Orange/White</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
<td>N/A</td>
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<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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### MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

### TECHNICAL ASSISTANCE

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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.
INSTALL GUIDE
2014-2019
TOYOTA COROLLA
WITH FACTORY 6.1" SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR or RR2 Radio Replacement Interface
- iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOYO2-DS

ADDITIONAL RESOURCES
- Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
Click here for:
- Radar Installation Guides

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NEED HELP?

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maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum
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

- 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 5

- Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- ORANGE - REVERSE LIGHT (+)
- ORANGE/WHITE - REVERSE LIGHT (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)
- YELLOW - 12V (+)
- YELLOW/BLACK - ACCESSORY (+)
- BLACK - GROUND
- RED - ACCESSORY (-)
- RED/BLACK - FOOT BRAKE
- RED/GREEN - E-BRAKE (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - ILLUMINATION (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)

**STEP 2**
CONNECT REVERSE CAMERA HARNESS
CONNECT IF EQUIPPED

**STEP 3**
CONNECT FACTORY RADIO HARNESS

**STEP 4**
CONNECT TO AFTERMARKET RADIO
CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**STEP 5**
CONNECT TO MAESTRO RR MODULE

CONNECT IF EQUIPPED YELLOW/GREEN (NOT CONNECTED)

DATA CABLE

CUT AND REMOVE THE SPEAKER WIRE JUNCTION CONNECTORS

- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
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- RED/GREEN - E-BRAKE (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - ILLUMINATION (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/BLACK - AMP TURN ON (-)

NOT REQUIRED

STEERING WHEEL CONTROL CABLE

TO2 T-HARNESS

WIRING DIAGRAM without an Amplifier

DATA CABLE
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<td>[DATA]</td>
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1. Turn the key to the OFF position, then disconnect all connectors from the module.
2. 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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INSTALL GUIDE
2014-2019
TOYOTA HIGHLANDER
WITH JBL

RETAILS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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STEP 5
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WIRING DIAGRAM with an Amplifier

STEP 1

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- WHITE/BLACK
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- PURPLE/BLACK - RR SPEAKER (+)
- PURPLE - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

STEP 2

REVERSE CAMERA HARNESS
CONNECT IF EQUIPPED

STEP 3

FACTORY RADIO HARNESS
WIRING FROM VEHICLE

STEP 4

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

STEP 5

MAESTRO RR MODULE
STEERING WHEEL CONTROL CABLE

NOT REQUIRED
TO2 T-HARNESS

CONNECT YELLOW RCA AUX IN
IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

CONNECT TO AFTERMARKET RADIO

DATA CABLE

RCA CABLES

CONNECT IF EQUIPPED
YELLOW - 12V (+)
BLACK - GROUND
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YELLOW/GREEN (NOT CONNECTED)
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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
2014-2019
TOYOTA HIGHLANDER
WITHOUT JBL

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iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

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Wiring Diagram 4

Radio Wire Reference Chart 5

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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

- Plug the aftermarket radio harnesses into the aftermarket radio.
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STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM without an Amplifier**

**STEP 1**
Cut and remove the speaker wire junction connectors.

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- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- ORANGE - REVERSE LIGHT (+)
- ORANGE/WHITE - REVERSE LIGHT (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/WHITE - AMP TURN ON (-)
- GREEN/WHITE - LR SPEAKER (+)
- GREEN/WHITE - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (+)
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LIGTH - E-BRAKE (-)
- LTGREEN - E-BRAKE (+)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE/WHITE - AMP TURN ON (-)
- YELLOW/GREEN - (NOT CONNECTED)
- YELLOW - 12V (+)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/BLACK - FOOT BRAKE
- YELLO/GREEN - FOOT BRAKE

**STEP 2**
Reverse Camera Harness Connect if equipped.

**STEP 3**
Factory Radio Harness.

**STEP 4**
(Pioneer Radio) Ensure that nothing is plugged in W/R Port.

**STEP 5**
Connect yellow RCA aux in if vehicle is equipped with auxiliary video.

*NOT REQUIRED*

- N.C.
- MAESTRO RR MODULE
- PIONEER RADIO: Ensure that nothing is plugged in W/R PORT.
- RCA CABLES
- DATA CABLE
- WIRES FROM VEHICLE
- MAESTRO RR MODULE
- TO2 T-HARNESS
- FACTORY RADIO HARNESS
- REVERSE CAMERA HARNESS
- MAIN HARNESS
- AUX IN
- BACKUP CAM
- DATA CABLE
- CABLE BENDERS
- WIRING DIAGRAM without an Amplifier
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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-TO2 Installation Harness

**PROGRAMMED FIRMWARE**

ADS-RR|SRI-TOY02-DS

**ADDITIONAL RESOURCES**

- [Maestro RR2 Programmable Outputs Guide](#)

---

**OPTIONAL ACCESSORIES**

Click here for:

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---

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- Unbox the aftermarket radio and locate its main harness.
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- 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
- 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 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.
WIRING DIAGRAM without an Amplifier

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness connect if equipped.

**STEP 3**
Factory radio harness.

**STEP 4**
OBDII connector.

**STEP 5**
Main harness. Connect to aftermarket radio. Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 6**
Data cable. Connect yellow RCA aux in if vehicle is equipped with auxiliary video.

---

**TO2 T-Harness**
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple - RR speaker (+)
- Purple/black - RR speaker (-)
- Orange - Illumination (+)
- Purple/white - Reverse light (+)
- LT Green - E-brake (-)
- Pink - Vehicle speed
- Yellow/black - Foot brake
- Yellow/green (not connected)

**NOT REQUIRED**
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple/black - RR speaker (-)
- Purple - RR speaker (+)
- Yellow/black - Foot brake
- Yellow/green (not connected)

---

**FACTORY RADIO HARNESS**
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- Gray - RF speaker (+)
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**ATA CABLES**
- SEE AFTERMARKET RADIO GUIDE FOR RADIO WIRE COLORS

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**CONNECT IF EQUIPPED**
- Yellow/green (not connected)
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WIRING DIAGRAM with an Amplifier

**STEP 1**
- Connect yellow RCA AUX IN if vehicle is equipped with auxiliary video.

**STEP 2**
- REVERSE CAMERA HARNESS: Connect if equipped.

**STEP 3**
- FACTORY RADIO HARNESS.

**STEP 4**
- OBDII CONNECTOR.
- NOT REQUIRED:
  - WHITE
  - WHITE/BLACK
  - GRAY/BLACK
  - GREEN - LR SPEAKER (+)
  - GREEN/BLACK - LR SPEAKER (-)
  - PURPLE - RR SPEAKER (+)
  - PURPLE/BLACK - RR SPEAKER (-)
  - BLUE/WHITE - AMP. TURN ON (+)
  - BLACK - GROUND
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**STEP 5**
- RCA CABLES.
- MAIN HARNESS.
- PIONEER RADIO: Ensure that nothing is plugged in W/R port.

**STEP 6**
- TO2 T-HARNESS.
- DATA CABLE.
- MAESTRO RR MODULE.
- NOT REQUIRED:
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**MAESTRO RR RESET PROCEDURE:**

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

**TECHNICAL ASSISTANCE**

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Web: maestro.idatalink.com/support
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INSTALL GUIDE
2012-2014
TOYOTA PRIUS C
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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NEED HELP?

1 866 427-2999

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www.12voltdata.com/forum
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- 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
- 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.
**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness: connect if equipped.

**STEP 3**
Factory radio harness:
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple - RR speaker (+)
- Purple/black - RR speaker (-)
- Orange - Reverse light (+)
- Orange/black - Reverse light (-)
- Light green - E-brake (-)
- Lilac - Vehicle speed
- Pink - Vehicle speed
- Yellow - 12V (+)
- Yellow/black - Foot brake
- Yellow/orange (not connected)

**STEP 4**
OBDII connector:
- Lt green - E-brake (-)
- White - LF speaker (+)
- White/black - LF speaker (-)
- Gray - RF speaker (+)
- Gray/black - RF speaker (-)
- Green - LR speaker (+)
- Green/black - LR speaker (-)
- Purple - RR speaker (+)
- Purple/black - RR speaker (-)
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- Orange/black - Reverse light (-)
- Light green - E-brake (-)
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**STEP 5**
Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 6**
Data cable:
- Not required
- Steering wheel control cable:
- TO2 T-harness

Connecting yellow RCA AUX in if vehicle is equipped with auxiliary video.

Connect to aftermarket radio.

Connecting yellow RCA AUX in if vehicle is equipped with auxiliary video.
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1. Turn the key to the OFF position, then disconnect all connectors from the module.
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### TECHNICAL ASSISTANCE

- **Phone:** 1-866-427-2999
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- **Web:** maestro.idatalink.com/support

### IMPORTANT:

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INSTALL GUIDE

2015-2019
TOYOTA PRIUS C
WITHOUT JBL

RETAILS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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STEP 2

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STEP 6

• Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM** *without an Amplifier*

**STEP 1**
- Cut and remove the speaker wire junction connectors.

**STEP 2**
- Reverse camera harness: connect if equipped.

**STEP 3**
- Factory radio harness.

**STEP 4**
- OBDII connector.

**STEP 5**
- Pioneer radio: ensure that nothing is plugged in W/R port.
- Connect to aftermarket radio.

**STEP 6**
- Wiring diagram without an Amplifier.
- TO2 T-Harness.
- Steering wheel control cable.
- Data cable.
- Maestro RR module.

*NOT REQUIRED*

**FACTORY RADIO HARNESS**
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLUE - FOOT BRAKE
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - ILLUMINATION (-)
- PINK - VEHICLE SPEED
- LTGREEN - E-BRAKE (-)
- BLUE/WHITE - AMP TURN ON (-)
- BLUE/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**REVERSE CAMERA HARNESS**
- REVERSE LIGHT (+)
- REVERSE LIGHT (-)
- SEE AFTERMARKET RADIO GUIDE FOR RADIO WIRE COLORS

**MAESTRO RR MODULE**
- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.
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ESCORT

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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
• Plug the male WHITE 2 pin connector of your TO2 T-harness into the OBDII harness.
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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.

12
WIRING DIAGRAM with an Amplifier

**STEP 1**
- Connect yellow RCA AUX IN if vehicle is equipped with auxiliary video.
- Connect to aftermarket radio.

**STEP 2**
- Cut reverse camera connector from TO2 T-Harness and connect wires as shown.

**STEP 3**
- Factory Radio Harness.

**STEP 4**
- OBDII Connector.

**STEP 5**
- Pioneer Radio: Ensure that nothing is plugged in W/R Port.
- Connect yellow RCA AUX IN if vehicle is equipped with auxiliary video.

**STEP 6**
- MAESTRO RR Module.

Wiring colors and connections:
- YELLOW: 12V (+)
- YELLOW/BLACK: Foot Brake
- GREEN: LR Speaker (+)
- GREEN/BLACK: LR Speaker (-)
- PURPLE: RR Speaker (+)
- PURPLE/BLACK: RR Speaker (-)
- RED: Accessory (+)
- RED - ACCESSORY (+)
- ORANGE: Illumination (+)
- PURPLE/WHITE: Reverse Light (+)
- PINK: Vehicle Speed
- LTGREEN: E-Brake (-)
- BLUE/YELLOW: AMP Turn On (+)
- WHITE: Other
- BLACK: Ground
- GRAY: Other
- GRAY/BLACK: Other
- LF RCA INPUT: Yellow RCA AUX IN
- RF RCA INPUT: Other
- RCA CABLES: Main Harness
- RCA CABLES: Data Cable
- RCA CABLES: Steering Wheel Control Cable
- OBDII: OBDII Connector
- FACTORY RADIO HARNESS: Factory Radio Harness
- TO2 T-HARNESS: TO2 T-Harness
- REVERSE CAMERA HARNESS: Reverse Camera Harness
- MAIN HARNESS: Main Harness
- RCA CABLES: RCA Cables
- OBDII CONNECTOR: OBDII Connector
- FACTORY RADIO HARNESS: Factory Radio Harness
-圖 and 平面圖

**Diagram Notes:**
- Connections not required with amp.
- Connect to steering wheel control cable.
- Connect wires from vehicle.
- Not required.
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### MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

### TECHNICAL ASSISTANCE

Phone: 1-866-427-2999  
Email: maestro.support@idatalink.com  
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.
RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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PROGRAMMED FIRMWARE
ADS-RRISR1-TOY02-DS

ADDITIONAL RESOURCES
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OPTIONAL ACCESSORIES
Click here for:
K40 Electronics
ESCORT Radar Installation Guides

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WELCOME

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NEED HELP?

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• 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
• 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 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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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

STEP 1

- WHITE
- WHITE/BLACK
- GRAY
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BK - FOOT BRAKE
- YELLOW/Green (NOT CONNECTED)

STEP 2

- REVERSE CAMERA HARNESS
- CONNECT IF EQUIPPED

STEP 3

- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

STEP 4

- OBDII CONNECTOR

STEP 5

- RCA CABLES
- MAIN HARNESS
- RCA CABLES
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUX IN
- BACKUP CAM

STEP 6

- MAESTRO RR MODULE
- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

NOT REQUIRED

- LF RCA INPUT
- RF RCA INPUT
- NF RCA INPUT
# RADIO WIRE REFERENCE CHART

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<td>N/A</td>
<td>N/A</td>
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<td>VSS [vehicle speed sensor] [DATA]</td>
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INSTALL GUIDE

2012-2014
TOYOTA PRIUS V
WITHOUT JBL

RETIENS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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- Cut and remove the front speaker wire junction connectors.
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- 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
- 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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STEP 6
- Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Cut reverse camera connector from TO2 T-Harness and connect wires as shown.

**STEP 3**
Factory radio harness.

**STEP 4**
Connect if equipped.
Connect reverse camera harness and connect wires as shown.

**STEP 5**
Data cable.

**STEP 4**
Pioneer radio: Ensure that nothing is plugged in W/R port.

Connect to aftermarket radio.

Connect yellow RCA aux in if vehicle is equipped with auxiliary video.

Wires from vehicle.

**TO2 T-HARNESS**

**FACTORY RADIO HARNESS**

**REVERSE CAMERA HARNESS**

Connect if equipped.

**MAESTRO RR MODULE**

**OBDII CONNECTOR**

**STEERING WHEEL CONTROL CABLE**

**DATA CABLE**

NOT REQUIRED

**MAESTRO RR(SR)-TOY02-DS-IG-EN**

TOYOTA PRIUS v WITHOUT JBL 2012-2014

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maestro.idatalink.com 4
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1. Turn the key to the OFF position, then disconnect all connectors from the module.
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INSTALL GUIDE
2015-2017
TOYOTA PRIUS V
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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
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• Plug the OBDII connector into the OBDII of the vehicle.

STEP 5
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STEP 6
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WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- **Green/Black** - LR speaker (-)
- **Purple** - RR speaker (+)
- **Purple/Black** - RR speaker (-)
- **Yellow** - Foot brake
- **Orange** - Illumination (+)
- **Purple/White** - Reverse light (+)
- **Pink** - Vehicle speed
- **LtGreen** - E-brake (-)
- **Blue/White** - Amp turn on (+)
- **Yellow/Green** (not connected)

**STEP 2**
Reverse camera harness connect if equipped.

**STEP 3**
Factory radio harness.

**STEP 4**
OBDII Connector.

**STEP 5**
Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 6**
Connect to aftermarket radio.

- **AUX IN**
- **Backup Cam**
- **Main Harness**
- **RCA Cables**
- **Data Cable**
- **Obdii Connector**

Connect yellow RCA aux in if vehicle is equipped with auxiliary video.

Wires from vehicle.

TO2 T-Harness.

Steering wheel control cable.

NOT REQUIRED.
## RADIO WIRE REFERENCE CHART

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Radar Installation Guides

OR

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NEED HELP?

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maestro.support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum
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STEP 1
• Unbox the aftermarket radio and locate its main harness.
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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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• 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.
• Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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Notes
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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
TOYOTA PRIUS WITH JBL 2012-2014

WIRING DIAGRAM with an Amplifier

STEP 1

- **WHITE** - LF RCA INPUT
- **WHITE/BLACK** - RF RCA INPUT
- **GRAY** - D+ (Accessory)
- **GRAY/BLACK** - D-/ACC
- **GREEN** - LR SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)
- **BLUE/WHITE** - AMP. TURN ON (+)
- **BLACK** - GROUND
- **RED** - ACCESSORY (+)
- **YELLOW** - 12V (+)
- **YELLOW/BLACK** - FOOT BRAKE
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **PINK** - VEHICLE SPEED
- **LTGREEN** - E-BRAKE (-)
- **BLUE/YELLOW** - AMP. TURN ON (+)
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- **ILLUMINATION**
- **REVERSE LIGHT**
- **VEHICLE SPEED**
- **E-BRAKE**

STEP 2

- **WHITE**
- **WHITE/BLACK**
- **GRAY**
- **GRAY/BLACK**
- **GREEN**
- **GREEN/BLACK**
- **PURPLE**
- **PURPLE/BLACK**
- **BLUE/WHITE**
- **BLACK**
- **RED**
- **YELLOW**
- **ORANGE**
- **PURPLE/WHITE**
- **PINK**
- **LTGREEN**
- **BLUE/YELLOW**
- **BLACK**

STEP 3

- **FACTORY RADIO HARNESS**

STEP 4

- **OBII CONNECTOR**

STEP 5

- **CHANNEL 1**
- **CHANNEL 2**
- **CHANNEL 3**
- **CHANNEL 4**
- **CHANNEL 5**
- **CHANNEL 6**
- **CHANNEL 7**
- **CHANNEL 8**
- **CHANNEL 9**
- **CHANNEL 10**
- **CHANNEL 11**

STEP 6

- **MAESTRO RR MODULE**

NOT REQUIRED

STEERING WHEEL CONTROL CABLE

DATA CABLE

CONNECT TO AFTERMARKET RADIO

CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

SEE AFTERMARKET RADIO GUIDE FOR RADIO WIRE COLORS

PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.
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<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
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INSTALL GUIDE
2015-2019
TOYOTA PRIUS
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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INSTALL GUIDE

2012-2014

TOYOTA PRIUS

WITH NAV WITHOUT JBL

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**WIRING DIAGRAM without an Amplifier**

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness: Connect if equipped.

**STEP 3**
Factory radio harness.

**STEP 4**
OBDII connector.

**STEP 5**
Pioneer radio: Ensure that nothing is plugged in W/R Port.

**STEP 6**
Connect to aftermarket radio.

Wiring diagram with color codes for various connections:
- White - LF Speaker (+)
- White/Black - LF Speaker (-)
- Gray - RF Speaker (+)
- Gray/Black - RF Speaker (-)
- Green - LR Speaker (+)
- Green/Black - LR Speaker (-)
- Purple - RR Speaker (+)
- Purple/Black - RR Speaker (-)
- Orange - Reverse Light (+)
- Purple/White - Reverse Light (-)
- Blue/White - Amp Turn On (+)
- Black - Ground
- Red - Accessory (+)
- Yellow - 12V (+)
- Yellow/Black - Foot Brake
- Orange - Illumination (+)
- Green - LR Speaker (+)
- Green/Black - LR Speaker (-)
- Purple/Black - RR Speaker (-)
- Purple - RR Speaker (+)
- Pink - Vehicle Speed
- LTGreen - E-Braze (-)
- Blue/White - Amp Turn On (+)
- Yellow/Black - Foot Brake
- Yellow/Green (Not Connected)

Additional notes:
- Connect to aftermarket radio if equipped with auxiliary video.
- See aftermarket guide for radio wire colors.
- White - LF Speaker (+)
- White/Black - LF Speaker (-)
- Gray - RF Speaker (+)
- Gray/Black - RF Speaker (-)
- Gray - RF Speaker (+)
- Gray/Black - RF Speaker (-)
- Yellow/Green (Not Connected)

Other connections:
- Green - LR Speaker (+)
- Green/Black - LR Speaker (-)
- Purple/Black - RR Speaker (-)
- Purple - RR Speaker (+)
- Pink - Vehicle Speed
- LTGreen - E-Braze (-)
- Blue/White - Amp Turn On (+)
- Yellow/Black - Foot Brake
- Yellow/Green (Not Connected)

**NOT REQUIRED**
Steering Wheel Control Cable.

**TOYOTA PRIUS WITH NAV WITHOUT JBL 2015-2019**

Maestro Data Solutions Inc. © 2019

ADS-RR(SR)-TOY02-DS-IG-EN
maestro.idatalink.com
## RADIO WIRE REFERENCE CHART

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<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
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<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
<td>Pink</td>
<td>N/A</td>
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<td>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.</td>
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<tr>
<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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<td>There is no firmware on the module; flash the RR module.</td>
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**Maestro RR Reset Procedure:**

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

**Technical Assistance**

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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.
INSTALL GUIDE

2013-2018
TOYOTA RAV 4
WITH FACTORY 6.1" SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SRI)-TOY02-DS

ADDITIONAL RESOURCES
Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES
OR
Click here for:
Radar Installation Guides

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WELCOME

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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

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum
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

• 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 5

• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
**GREEN/BLACK** - LR SPEAKER (-)
**PURPLE** - RR SPEAKER (+)
**PURPLE/BLACK** - RR SPEAKER (-)
**YELLOW/BLACK** - FOOT BRAKE
**ORANGE** - ILLUMINATION (+)
**PURPLE/WHITE** - REVERSE LIGHT (+)
**BLUE/WHITE** - AMP TURN ON (+)
**RED** - ACCESSORY (+)
**RED/BLACK** - ACC (+)
**ORANGE** - IGNITION (+)
**YELLOW** - POWER (+)
**YELLOW/BLACK** - FOOT BRAKE
**YELLOW/GREEN** (NOT CONNECTED)

**STEP 2**
REVERSE CAMERA HARNESS
CONNECT IF EQUIPPED

**STEP 3**
FACTORY RADIO HARNESS

**STEP 4**
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**STEP 5**
CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**TO2 T-HARNESS**

**NOT REQUIRED**

**STEERING WHEEL CONTROL CABLE**

**DATA CABLE**

**MAESTRO RR MODULE**
# RADIO WIRE REFERENCE CHART

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<td>(+)</td>
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<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
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<td>Green/White</td>
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**MAESTRO RR RESET PROCEDURE:**

Turn the key to the **OFF** position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

**TECHNICAL ASSISTANCE**

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ELECTRONICS

Click here for:

Radar Installation Guides

2013-2018

TOYOTA RAV 4

WITH FACTORY 6.1" SCREEN AND JBL

RETTAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RRJRI-TOY02-DS

OPTIONAL ACCESSORIES

Click here for:

Radar Installation Guides

additional resources

Maestro RR2 Programmable Outputs Guide
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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💬 maestro.idatalink.com/support
🌐 www.12voltdata.com/forum
INSTALLATION INSTRUCTIONS

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- 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

- 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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STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

**STEP 1**
- WHITE
- WHITE/BLACK
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**
- REVERSE CAMERA HARNESS
- CONNECT IF EQUIPPED

**STEP 3**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**
- RCA CABLES
- MAIN HARNESS
- DATA CABLE
- STEERING WHEEL CONTROL CABLE

**STEP 5**
- MAESTRO RR MODULE

**NOT REQUIRED**
- TO2 T-HARNESS
- AUX IN
- BACKUP CAM
- RCA CABLES

**PIONEER RADIO**
- ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**CONNECT TO AFTERMARKET RADIO**
- CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**DATA CABLE**
- CONNECT IF EQUIPPED

**WIRING DIAGRAM with an Amplifier**

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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

2014-2019
TOYOTA SEQUOIA
WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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• 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
• 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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• Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM with an Amplifier**

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- GRAY/BLACK
- GREEN - LR SPEAKER (+)
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- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**
- REVERSE CAMERA HARNESS
- CONNECT IF EQUIPPED

**STEP 3**
- FACTORY RADIO HARNESS

**STEP 4**
- OBDDII CONNECTOR

**STEP 5**
- RCA CABLES
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- WIRE FROM VEHICLE
- RCA CABLES
- CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**STEP 6**
- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.
- STEERING WHEEL CONTROL CABLE
- MAESTRO RR MODULE
- NOT REQUIRED

---

TOYOTA SEQUOIA WITH JBL 2014-2019

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ADS-RR(SR)-TOY02-DS-IG-EN  
maestro.idatalink.com
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
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</tr>
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<td>N/A</td>
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<td>N/A</td>
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<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
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<td></td>
<td>YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not</td>
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<tr>
<td></td>
<td>use T-Taps. Soldering or military splicing methods are recommended.</td>
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<tr>
<td></td>
<td>Reset the RR.</td>
</tr>
<tr>
<td>The light on the Maestro is blinking RED TWICE.</td>
<td>Ensure the 4-pin data cable is connected between the radio and the RR,</td>
</tr>
<tr>
<td></td>
<td>and that it is plugged into the black port on the Maestro RR. The red</td>
</tr>
<tr>
<td></td>
<td>and blue ports on the RR should be empty.</td>
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<td></td>
<td>Make sure the correct radio model and serial number were entered during</td>
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## MAESTRO RR RESET PROCEDURE:

1. Turn the key to the OFF position, then disconnect all connectors from the module.
2. 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).
3. 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.
INSTALL GUIDE

2015-2019

TOYOTA SIENNA

WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED Firmware

ADS-RR(SR)-TOY02-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 3
Wiring Diagram 4
Radio Wire Reference Chart 5
Troubleshooting Table 6

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltage.com/forum
**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.
  
  *Note: The reverse camera cannot be retained in this vehicle.*

**STEP 3**
- Connect the factory harness to the TO2 T-harness.

**STEP 4**
- 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.
WIRING DIAGRAM with an Amplifier

**STEP 1**
- **Connect to Factory Radio Harness**
- **Connect to Aftermarket Radio**
- **Connect Yellow RCA AUX IN if vehicle is equipped with auxiliary video**
- **See Aftermarket Radio Guide for radio wire colors**

**STEP 2**
- **Reverse Camera Harness**
- **Connect if equipped**
- **Connection not required**
- **Reverse camera cannot be retained**

**STEP 3**
- **Factory Radio Harness**
- **Wires from vehicle**

**STEP 4**
- **QBDII Connector**
- **Not required**

**STEP 5**
- **RCA Cables**
- **Main Harness**
- **Connect to Aftermarket Radio**

**STEP 6**
- **Steering Wheel Control Cable**
- **Maestro RR Module**
- **Pioneer Radio: Ensure that nothing is plugged in W/R port.**

---

**TOYOTA SIENNA WITH JBL 2015-2019**

**NOT REQUIRED**
- **Yellow/Green (not connected)**

**WITH AN AMPLIFIER**

**WHITE**
- LF RCA Input

**WHITE/BLACK**
- RF RCA Input

**GRAY**
- Connections not required with AMP

**GRAY/BLACK**
- See Aftermarket Radio Guide for radio wire colors

**GREEN - LR SPEAKER (+)**
- Yellow - 12V (+)

**GREEN/BLACK - LR SPEAKER (-)**
- Black - Ground

**ORANGE - ILLUMINATION (+)**
- Orange - Illumination (+)

**PURPLE/WHITE - REVERSE LIGHT (+)**
- Pink - Vehicle Speed

**LTGREEN - E-BRAKE (-)**
- LT Green - E-Brake (-)

**BLUE/WHITE - AMP. TURN ON (+)**
- Blue/White - Amp. Turn On (+)

**YELLOW**
- Foot Brake

**YELLOW/BLACK**
- Foot Brake

**YELLOW/GREEN** (not connected)
- Foot Brake

**GRAY**
- Connections not required with AMP

**GRAY/BLACK**
- Connections not required with AMP

**LF RCA INPUT**
- Connections not required with AMP

**RF RCA INPUT**
- Connections not required with AMP

---

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ADS-RR(SR)-TOY02-DS-IG-EN

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<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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Web: maestro.idatalink.com/support

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.
ELECTRONICS

Click here for:

Radar Installation Guides

2015-2019
TOYOTA SIENNA
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED

- iDatalink Maestro RR or RR2 Radio Replacement Interface
- iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED Firmware

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

Click here for:
Radar Installation Guides

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WELCOME

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</table>

NEED HELP?

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maestro.support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
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
• 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.
**Wiring Diagram without an Amplifier**

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness. Connect if equipped.

**STEP 3**
Factory radio harness.

**STEP 4**
OBDII connector. Not required.

**STEP 5**
Main harness. Connect to aftermarket radio. Pioneer radio: Ensure that nothing is plugged in W/R port.

**STEP 6**
Data cable.

- **Wires from Vehicle**: WHITE - LF speaker (+), WHITE/BLACK - LF speaker (-), GRAY/BLACK - RF speaker (+), GREEN - LR speaker (+), GREEN/BLACK - LR speaker (-), PURPLE - RR speaker (+), PURPLE/BLACK - RR speaker (-), BLUE/WHITE - Amp turn on (+), BLACK - Ground, RED - Accessory (+), ORANGE - Illumination (+), SEE AFTERMARKET RADIO GUIDE, PURPLE/WHITE - Reverse light (+), LT GREEN - E-brake (-), PINK - Vehicle speed, LT GREEN - E-brake (-), YELLOW/BLACK - Foot brake, YELLOW/GREEN (not connected).

- **RCA Cables**: GREEN - LR speaker (+), GREEN/BLACK - LR speaker (-), PURPLE/BLACK - RR speaker (-), PURPLE - RR speaker (+), BLUE/WHITE - Amp turn on (+).

- **Data Cable**: OBDII connector.

- **Steering Wheel Control Cable**: Not required.

- **TO2 T-Harness**: Not required.
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INSTALL GUIDE
2016-2019
TOYOTA TACOMA
WITH JBL

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iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(10)-TOY02-DS

ADDITIONAL RESOURCES
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NEED HELP?

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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

• 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).
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STEP 5

• Connect all the harnesses to the Maestro RR module then test your installation.
**STEP 1**

- **WHITE** - LF RCA INPUT
- **WHITE/BLACK** - RF RCA INPUT
- **GRAY/BLACK** - MAIN HARNESS
- **GREEN** - LR SPEAKER (+)
- **GREEN/BLACK** - LR SPEAKER (-)
- **PURPLE** - RR SPEAKER (+)
- **PURPLE/BLACK** - RR SPEAKER (-)
- **BLUE/WHITE** - AMP. TURN ON (+)
- **BLACK** - GROUND
- **RED** - ACCESSORY (+)
- **YELLOW** - 12V (+)
- **ORANGE** - ILLUMINATION (+)
- **PURPLE/WHITE** - REVERSE LIGHT (+)
- **LTGREEN** - E-BRAKE (-)
- **YELLOW/BLACK** - FOOT BRAKE
- **YELLOW/GREEN** (NOT CONNECTED)

**STEP 2**

- **REVERSE CAMERA HARNESS**
- **CONNECT IF EQUIPPED**

**STEP 3**

- **FACTORY RADIO HARNESS**
- **WIRING DIAGRAM**
- **NOT REQUIRED**
  - **GREEN** - LR SPEAKER (+)
  - **GREEN/BLACK** - LR SPEAKER (-)
  - **PURPLE/BLACK** - RR SPEAKER (-)
  - **PURPLE** - RR SPEAKER (+)
  - **PINK** - VEHICLE SPEED
  - **LTGREEN** - E-BRAKE (-)
  - **BLUE/WHITE** - AMP. TURN ON (+)
  - **WHITE**
  - **WHITE/BLACK**
  - **GRAY**
  - **GRAY/BLACK**
  - **LF RCA INPUT**
  - **RF RCA INPUT**

**STEP 4**

- **PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.**
- **CONNECT TO AFTERMARKET RADIO**
- **CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO**

**STEP 5**

- **MAESTRO RR MODULE**
- **STEERING WHEEL CONTROL CABLE**
- **NOT REQUIRED**
- **N.C.**

**WIRING DIAGRAM with an Amplifier**

1. Connect yellow RCA AUX IN if vehicle is equipped with auxiliary video.
2. Reverse camera harness.
3. FACTORY RADIO HARNESS.
4. Pioneer radio: Ensure that nothing is plugged in w/r port.
5. Maestro RR module.

---

*TOYOTA TACOMA WITH JBL 2016-2019*

Automotive Data Solutions Inc. © 2019

ADS-RR(SR)-TOY02-DS-IG-EN

maestro.idatalink.com
# RADIO WIRE REFERENCE CHART

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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

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.
INSTALL GUIDE

2016-2019
TOYOTA TACOMA
WITHOUT JBL

RETAILS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR or RR2 Radio Replacement Interface
- iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR[RRI]-TOY02-DS

ADDITIONAL RESOURCES
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OPTIONAL ACCESSORIES
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WELCOME

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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
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
• 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 5
• Connect all the harnesses to the Maestro RR module then test your installation.
TOYOTA TACOMA WITHOUT JBL 2016-2019

WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- ORANGE - ILLUMINATION (+)
- GREEN/WHITE - REVERSE LIGHT (+)
- BLUE/WHITE - AMP TURN ON (+)
- RED - ACCESSORY (+)
- ORANGE - AMP TURN ON (+)
- PINK - VEHICLE SPEED
- LTGREEN - E-BRAKE (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- ORANGE - ILLUMINATION (+)
- RED - ACCESSORY (+)
- ORANGE - AMP TURN ON (+)

**STEP 2**
REVERSE CAMERA HARNESS
CONNECT IF EQUIPPED

**STEP 3**
FACTORY RADIO HARNESS

**STEP 4**
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

**STEP 5**
CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**WIRING DIAGRAM without an Amplifier**

**NOT REQUIRED**

- N.C.
- STEERING WHEEL CONTROL CABLE

**TO2 T-HARNESS**

**MAESTRO RR MODULE**

**FACTORY RADIO HARNESS**

**MAIN HARNESS**

**RCA CABLES**

**DATA CABLE**

**CONNECT TO AFTERMARKET RADIO**

**CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO**
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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
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STEP 4
- 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
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STEP 6
- Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

STEP 1

- WHITE
- WHITE/BLACK
- GRAY
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (+)
- PURPLE - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- YELLOW/GREEN (NOT CONNECTED)

STEP 2

- REVERSE CAMERA HARNESS

STEP 3

- FACTORY RADIO HARNESS

STEP 4

- OBDII CONNECTOR

STEP 5

- RCA CABLES

STEP 6

- PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.

TOYOTA TUNDRA WITH JBL 2014-2019

TO2 T-HARNESS

NOT REQUIRED

STEERING WHEEL CONTROL CABLE

MAESTRO RR MODULE
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2014-2019
TOYOTA TUNDRA WITHOUT JBL

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WIRING DIAGRAM without an Amplifier

**STEP 1**
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 (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE/WHITE - AMP. TURN ON (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LIGHT GREEN - E-BRAKE (-)
- BLUE/WHITE - AMP. TURN ON (+)
- BLUE/WHITE - AMP. TURN ON (-)
- YELLOW/GREEN (NOT CONNECTED)

**STEP 2**
Reverse camera harness connect if equipped.

**STEP 3**
Factory radio harness connect.

**STEP 4**
OBDII connector. TO2 t-harness not required.

**STEP 5**
Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 6**
Connect yellow RCA aux in if vehicle is equipped with auxiliary video.

- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- YELLOW - 12V (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
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<th>Maestro T-Harness</th>
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<th>Kenwood Cable</th>
<th>Pioneer Cable</th>
<th>Sony Cable</th>
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<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
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<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
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<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
<td>N/A</td>
<td></td>
</tr>
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Automotive Data Solutions Inc. © 2019 maestro.idatalink.com 5
## TROUBLESHOOTING TABLE

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<tr>
<td>The light on the Maestro is blinking <strong>RED TWICE</strong>.</td>
<td>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.</td>
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### MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module. Press and hold the module’s programming button and connect all the connectors back to the module. Wait, the module’s LED will flash RED rapidly (this may take up to 10 seconds). Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

### TECHNICAL ASSISTANCE

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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.
INSTALL GUIDE

2015-2016

TOYOTA VENZA
WITH JBL

RETAILS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

Click here for:
Radar Installation Guides

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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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<td>5</td>
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<tr>
<td>Troubleshooting Table</td>
<td>6</td>
</tr>
</tbody>
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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
www.12voltdata.com/forum
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
- 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.
WIRING DIAGRAM with an Amplifier

**STEP 1**
- **TO2 T-HARNESS**

**STEP 2**
- **REVERSE CAMERA HARNESS**
  - **CONNECT IF EQUIPPED**

**STEP 3**
- **FACTORY RADIO HARNESS**

**STEP 4**
- **OBDII CONNECTOR**

**STEP 5**
- **RCA CABLES**
  - **CONNECT TO**
    - **AFTERMARKET RADIO**

**STEP 6**
- **MAESTRO RR MODULE**

**PIONEER RADIO:** Ensure that nothing is plugged in W/R Port.

**NOT REQUIRED**
- **STEERING WHEEL CONTROL CABLE**

**CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO**

**WIRING DIAGRAM:**
- **WHITE**
- **WHITE/BLACK**
- **GRAY**
- **GRAY/BLACK**
- **GREEN - LR SPEAKER (+)**
- **GREEN/BLACK - LR SPEAKER (-)**
- **PURPLE - RR SPEAKER (+)**
- **BLUE/WHITE - AMP. TURN ON (+)**
- **RED - ACCESSORY (+)**
- **YELLOW - 12V (+)**
- **ORANGE - ILLUMINATION (+)**
- **YELLOW/GREEN - REVERSE LIGHT (+)**
- **LT GREEN - E-BRAKE (-)**
- **YELLOW/BLACK - FOOT BRAKE**
- **PURPLE/WHITE (NOT CONNECTED)**
- **STEERING WHEEL CONTROL CABLE**

**NOT CONNECTED WITH AMP**
- **BLUE/WHITE**
- **YELLOW/GREEN**
- **PURPLE/WHITE (NOT CONNECTED)**
# RADIO WIRE REFERENCE CHART

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<td>Orange</td>
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<td>Orange</td>
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<td>(+)</td>
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<tr>
<td>E-Brake</td>
<td>(-)</td>
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<td>VSS (vehicle speed sensor)</td>
<td>(DATA)</td>
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<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
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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

**IMPORTANT:** To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer’s website and look for any updates pertaining to your radio.
INSTALL GUIDE
2013-2014
TOYOTA VENZA
WITH JBL AND NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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PRODUCTS REQUIRED
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iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED Firmware
ADS-RR|SRI-TOY02-DS

ADDITIONAL RESOURCES
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NEED HELP?

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maestro.support@idatalink.com

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www.12voltdata.com/forum
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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
• 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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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
WIRING DIAGRAM with an Amplifier

**STEP 1**
- WHITE
- WHITE/BLACK
- GRAY/BLACK
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE/BLACK - RR SPEAKER (+)
- BLUE/WHITE - AMP TURN ON (+)
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- YELLOW/GREEN - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE
- PURPLE/WHITE (NOT CONNECTED)

**STEP 2**
- CUT REVERSE CAMERA CONNECTOR FROM TO2 T-HARNESS
- CONNECT WIRES AS SHOWN.

**STEP 3**
- FACTORY RADIO HARNESS
- NOT REQUIRED WITH AMP

**STEP 4**
- OBDII CONNECTOR
- CONNECT IF EQUIPPED

**STEP 5**
- CONNECT YELLOW RCA AUX IN IF VEHICLE IS EQUIPPED WITH AUXILIARY VIDEO

**STEP 6**
- MAESTRO RR MODULE
- CONNECT TO AFTERMARKET RADIO
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### MAESTRO RR RESET PROCEDURE:

1. Turn the key to the OFF position, then disconnect all connectors from the module.
2. 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).
3. Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2015-2016
TOYOTA VENZA
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NEED HELP?

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www.12voltdata.com/forum
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
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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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STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
**WIRING DIAGRAM without an Amplifier**

**STEP 1**
Cut and remove the speaker wire junction connectors.

**STEP 2**
Reverse camera harness: connect if equipped.

**STEP 3**
Factory radio harness:
- **WHITE** - LF speaker (+)
- **WHITE/BLACK** - LF speaker (-)
- **GRAY** - RF speaker (+)
- **GRAY/BLACK** - RF speaker (-)
- **GREEN** - LR speaker (+)
- **GREEN/BLACK** - LR speaker (-)
- **PURPLE** - RR speaker (+)
- **PURPLE/BLACK** - RR speaker (-)
- **BLUE/WHITE** - AMP turn on (+)
- **BLACK** - Ground
- **RED** - Accessory (+)
- **ORANGE** - Illumination (+)
- **YELLOW/GREEN** - Reverse light (+)
- **LT GREEN** - E-brake (-)
- **BLUE/WHITE** - Amp turn on (+)

**STEP 4**
OBDII connector:
- **WHITE** - LF speaker (+)
- **WHITE/BLACK** - LF speaker (-)
- **GRAY** - RF speaker (+)
- **GRAY/BLACK** - RF speaker (-)
- **GREEN** - LR speaker (+)
- **GREEN/BLACK** - LR speaker (-)
- **PURPLE** - RR speaker (+)
- **PURPLE/BLACK** - RR speaker (-)
- **BLUE/WHITE** - Amp turn on (+)

**STEP 5**
Pioneer radio: ensure that nothing is plugged in W/R port.

**STEP 6**
Steering wheel control cable:
- **MAESTRO RR MODULE**: Ensure that nothing is plugged in W/R port.
- **STEERING WHEEL CONTROL CABLE**
- **DATA CABLE**
- **MAIN HARNESS**
- **FACTORY RADIO HARNESS**
- **REVERSE CAMERA HARNESS**
- **TO2 T-HARNESS**
- **WIRING DIAGRAM**
- **NOT REQUIRED**

**TOYOTA VENZA WITHOUT JBL 2015-2016**

Additional notes:
- Connect yellow RCA aux in if vehicle is equipped with auxiliary video.
- Connect yellow RCA aux in.
- Connect if equipped.
- Cut and remove the speaker wire junction connectors.
- Connect to aftermarket radio.
- See aftermarket radio guide for radio wire colors.
- Connect to Pioneer radio.
## RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
<th>Wire Color on Sony cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange</td>
</tr>
<tr>
<td>Reverse Light</td>
<td>(+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>Pink</td>
<td>Pink</td>
<td>N/A</td>
</tr>
</tbody>
</table>
# TROUBLESHOOTING TABLE

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gauges do not work, radio shows OBD2 Error 1 or Error 2.</td>
<td>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.</td>
</tr>
<tr>
<td>The light on the Maestro is blinking RED TWICE.</td>
<td>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.</td>
</tr>
<tr>
<td>The light on the Maestro is flashing RED ONCE.</td>
<td>There is no firmware on the module; flash the RR module.</td>
</tr>
</tbody>
</table>

**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

**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.