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

CHRYSLER 200
2011-2014

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
- GREEN WHITE
- WHITE GREEN
- CONNECTIONS WITH AMP
- GREEN GREEN
- WHITE WHITE
- RED BLACK
- BLACK (NC)

STEP 3
- CH1 T-HARNESS
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

STEP 4
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 5
- OBDII CONNECTOR
- NOTE: PIN SIDE VIEW.
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 6
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- WIRING CABLES
- DATA CABLES
- AUDIO CABLES

STEP 7
- MAESTRO RR MODULE
- NOTE: PIN SIDE VIEW.
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

CHRYSLER 300
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Documentation</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setting screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF. Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

INSTALL GUIDE
CHRYSLER ASPEN
2008-2009

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, 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.
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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN
  - WHITE
  - WHITE
  - GREEN

- CONNECTIONS WITH AMP
  - GREEN
  - GREEN
  - WHITE
  - WHITE
  - RED
  - BLACK
  - BLACK (NC)

**STEP 4**
- FACTORY RADIO HARNESS
  - WIRES FROM VEHICLE
  - MAIN HARNESS
  - CONNECT TO AFTERMARKET RADIO
  - OBDII CONNECTOR
  - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 5**
- RED/BROWN - CANH2
- YELLOW/BROWN - CANL2

**STEP 6**
- DATA CABLE

**STEP 7**
- AUDIO CABLE
- MAIN HARNESS
- FACTORY RADIO HARNESS
- OBDII CONNECTOR
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

NOTE: PIN SIDE VIEW.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Pink</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/Red</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

Installation Instructions 3

Wiring Diagram 5

Vehicle Wire Reference Chart 6

Radio Wire Reference Chart 7
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES. Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
**WIRING DIAGRAM**

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- GREEN WHITE
- WHITE GREEN

**STEP 3**
- BLACK (NC)
- RED/BROWN - CANH
- YELLOW/BROWN - CANL

**STEP 4**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 5**
- ORBDII CONNECTOR
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 6**
- MAIN HARNESS

**STEP 7**
- MAESTRO RR MODULE

**CONNECTIONS WITHOUT AMP**
- GREEN WHITE
- WHITE GREEN

**CONNECTIONS WITH AMP**
- GREEN GREEN
- WHITE WHITE
- RED BLACK
- BLACK (NC)

**MAESTRO RR MODULE**
- CH1 T-HARNESS

**FACTORY RADIO HARNESS**
- WIRES FROM VEHICLE

**ORBDII CONNECTOR**
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>–</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

CHRYSLER TOWN AND COUNTRY
2008-2011

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Document</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female BLACK connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
CONNECTIONS WITHOUT AMP
- GREEN/WHITE
- WHITE/GREEN

CONNECTIONS WITH AMP
- GREEN/GREEN
- WHITE/WHITE
- BLACK/BLACK
- RED (NC)

STEP 3
- RED/BROWN - CANH
- YELLOW/BROWN - CANL

STEP 4
FACTORY RADIO HARNESS

STEP 5
ORBDII CONNECTOR

STEP 6
MAESTRO RR MODULE

CONNECT TO AFTERMARKET RADIO

STEP 7
MAESTRO RR MODULE

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

DATA CABLE

AUDIO CABLE

CH1 T-HARNESS

MAIN HARNESS
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

CHRYSLER TOWN AND COUNTRY 2012-2016

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Document Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation</td>
<td>3</td>
</tr>
<tr>
<td>Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (Fig. 2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
  • Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
  • Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
  • Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
  • Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE AVENGER
2008-2014
RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Instruction</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: [The factory Bluetooth system is OFF by default]
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- WHITE/GREEN - CONNECTIONS WITHOUT AMP
- WHITE/GREEN - CONNECTIONS WITH AMP
- BLACK (NC)
- RED

STEP 3
- PK/PNK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

STEP 4
- FACTORY RADIO HARNESS

STEP 5
- OBDII CONNECTOR

STEP 6
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- CONNECT TO AFTERMARKET RADIO
- WIRING DIAGRAM

STEP 7
- MAESTRO RR MODULE
- WIRING DIAGRAM

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
### 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(–)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE CALIBER
2009-2012

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, 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 Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS
WELCOME

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Tan</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
</tr>
<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>Yellow/Black</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE CHALLENGER
2008-2014
RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Instruction</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2

• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

• Plug the female RED connector to the male BLACK connector.

STEP 4

• Connect the factory harness to the CH1 T-harness.

STEP 5

• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7

• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
  - GREEN/WHITE
  - WHITE/GREEN
- CONNECTIONS WITH AMP
  - GREEN/GREEN
  - WHITE/WHITE
  - RED/BLACK
  - BLACK (NC)

STEP 3
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

STEP 4
- FACTORY RADIO HARNESS

STEP 5
- CH1 T-HARNESS
- ORBII CONNECTOR
  - NOTE: PIN SIDE VIEW.
  - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 6
- MAESTRO RR MODULE

STEP 7
- CONNECT TO AFTERMARKET RADIO
- WIRE FROM VEHICLE
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- BLUE/WHITE - AMP TURN ON (+)
- RED - ACCESSORY (+)
- YELLOW - GROUND
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- CONNECT TO AFTERMARKET RADIO

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

- Installation Instructions 3
- Wiring Diagram 5
- Vehicle Wire Reference Chart 6
- Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- GREEN - WHITE
- WHITE - GREEN

CONNECTIONS WITHOUT AMP
- GREEN
- WHITE

CONNECTIONS WITH AMP
- GREEN
- GREEN
- WHITE
- WHITE
- RED
- BLACK
- BLACK (NC)
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 3
- CH1 T-HARNESS

STEP 4
- FACTORY RADIO HARNESS

STEP 5
- OBDII CONNECTOR

STEP 6
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO

STEP 7
- DATA CABLE
- AUDIO CABLE
- WIRES FROM VEHICLE
- MAESTRO RR MODULE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE DAKOTA
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- GREEN WHITE
- WHITE GREEN

CONNECTIONS WITHOUT AMP
- WHITE GREEN
- WHITE WHITE
- RED BLACK
- BLACK (NC)

CONNECTIONS WITH AMP
- GREEN GREEN
- RED/BLACK
- ORANGE (+)
- PURPLE/WHITE (+)
- LTGREEN (-)
- BLUE/WHITE (+)
- RED (+)
- BROWN (NOT CONNECTED)

STEP 3
- CH1 T-HARNESS

STEP 4
- FACTORY RADIO HARNESS

STEP 5
- RED/BROWN - CANH
- YELLOW/BROWN - CANL

STEP 6
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO

STEP 7
- WIRES FROM VEHICLE
- MAESTRO RR MODULE
- ORBIT CONNECTOR

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>Pink/Red</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE DAKOTA
2011

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

- Installation Instructions  3
- Wiring Diagram  5
- Vehicle Wire Reference Chart  6
- Radio Wire Reference Chart  7

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
**WIRING DIAGRAM**

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN - WHITE
  - WHITE - GREEN

**STEP 3**
- CONNECTIONS WITH AMP
  - GREEN - GREEN
  - WHITE - WHITE
  - BLACK - BLACK
  - RED (NC)

**STEP 4**
- FACTORY RADIO HARNESS

**STEP 5**
- OBDII CONNECTOR
  - RED/BROWN - CANH
  - YELLOW/BROWN - CANL

**STEP 6**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE

**STEP 7**
- MAESTRO RR MODULE
- Wires from vehicle

**NOTE:** PIN SIDE VIEW.
- CONECT TO TWISTED WIRES BEHIND CONNECTOR.

---

Automotive Data Solutions Inc. © 2017
ADS-RR(SR)-CHR01-DS
maestro.idatalink.com
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake (-)</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>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] ([DATA])</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

Installation Instructions 3
Wiring Diagram 5
Vehicle Wire Reference Chart 6
Radio Wire Reference Chart 7

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN - WHITE
  - WHITE - GREEN

**STEP 3**
- CONNECTIONS WITH AMP
  - GREEN - GREEN
  - WHITE - WHITE
  - RED - BLACK
  - BLACK (NC)

**STEP 4**
- FACTORY RADIO HARNESS

**STEP 5**
- OBDII CONNECTOR
  - RED/BROWN - CAN2H
  - YELLOW/BROWN - CAN2L

**STEP 6**
- MAESTRO RR MODULE CONNECT TO AFTERMARKET RADIO

**STEP 7**
- CH1 T-HARNESS

**NOTE:** PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
# INSTALL GUIDE

## DODGE DURANGO

2011-2013

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

---

### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH1 Installation Harness

### OPTIONAL ACCESSORIES
- ADS-HRN(AV)-CHR01

### PROGRAMMED FIRMWARE
- ADS-RR(SR)-CHR01-DS

---

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999
support@idatalink.com
maestro.idatalink.com/support
www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
CONNECTIONS WITHOUT AMP
- GREEN/WHITE
- WHITE/GREEN

CONNECTIONS WITH AMP
- GREEN/GREEN
- WHITE/WHITE
- BLACK/BLACK
- RED (NC)

STEP 3
CH1 T-HARNESS

STEP 4
FACTORY RADIO HARNESS

STEP 5
OBDII CONNECTOR
- RED/BROWN - CANH2
- YELLOW/BROWN - CANL2

STEP 6
MAIN HARNESS
CONNECT TO AFTERMARKET RADIO

STEP 7
MAESTRO RR MODULE
NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>N/A</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>
</tr>
<tr>
<td>E-Brake (-)</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>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] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE GRAND CARAVAN
2008-2011
RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
</tr>
<tr>
<td>Wiring Diagram</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female BLACK connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>N/A</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>
</tr>
<tr>
<td>E-Brake (-)</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>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) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Installation Instructions</td>
</tr>
<tr>
<td>5</td>
<td>Wiring Diagram</td>
</tr>
<tr>
<td>6</td>
<td>Vehicle Wire Reference Chart</td>
</tr>
<tr>
<td>7</td>
<td>Radio Wire Reference Chart</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female BLACK connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED (NC)

STEP 3
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

STEP 4
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- OR1II CONNECTOR
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 5
- CH1 T-HARNESS
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 6
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE

STEP 7
- MAESTRO RR MODULE
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
## INSTALL GUIDE

**DODGE JOURNEY 2009-2010**

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH1 Installation Harness

### OPTIONAL ACCESSORIES
- ADS-HRN(AV)-CHR01

### PROGRAMMED FIRMWARE
- ADS-RR(SR)-CHR01-DS

---

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:

• To reset the module back its factory settings, 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.

• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- Black - Ground
- Red - Accessory (+)
- Yellow - 12V (+)
- Orange - Illumination (+)
- Purple/White - Reverse Light (+)
- Pink - Vehicle Speed (Connect if there is a match)
- Brown (Not Connected)

**STEP 2**
- Connections without Amp

  - Green - White
  - White - Green

**STEP 3**
- Connections with Amp

  - Green - Green
  - White - White
  - Black - Black
  - Red (NC)

**STEP 4**
- Factory Radio Harness

**STEP 5**
- OBDII Connector

  - Red/Brown - CAN2H
  - Yellow/Brown - CAN2L

**STEP 6**
- Main Harness

**STEP 7**
- Connect to Aftermarket Radio

- MAESTRO RR Module

- Wires from Vehicle

Note: Pin side view. Connect to twisted wires behind connector.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE
DODGE NITRO
2007-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2

• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

• Plug the female BLACK connector to the male BLACK connector.

STEP 4

• Connect the factory harness to the CH1 T-harness.

STEP 5

• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7

• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED (NC)

STEP 3
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

STEP 4
- FACTORY RADIO HARNES
- WIRES FROM VEHICLE

STEP 5
- OBDII CONNECTOR
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 6
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO

STEP 7
- MAESTRO RR MODULE

WIRING DIAGRAM FOR DODGE NITRO 2007-2011
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

DODGE RAM CV 2010-2015

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

Installation Instructions 3

Wiring Diagram 5

Vehicle Wire Reference Chart 6

Radio Wire Reference Chart 7
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear.
• Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
CONNECTIONS WITHOUT AMP
- GREEN - WHITE
- WHITE - GREEN

CONNECTIONS WITH AMP
- GREEN - GREEN
- WHITE - WHITE
- BLACK - BLACK
- RED (NC)

**STEP 3**
- RED/BROWN - CANH
- YELLOW/BROWN - CANL

**STEP 4**
FACTORY RADIO HARNESS

**STEP 5**
ORDBII CONNECTOR
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 6**
MAIN HARNESS

**STEP 7**
MAESTRO RR MODULE

CONNECT TO AFTERMARKET RADIO

WIRING DIAGRAM
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>N/A</td>
<td>N/A</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td>N/A</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEep COMMANDER

2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

Installation Instructions

Wiring Diagram

Vehicle Wire Reference Chart

Radio Wire Reference Chart

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female RED connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

**STEP 4**
- FACTORY RADIO HARNESS
  - WIRE CONNECTIONS:
    - GREEN - MAIN HARNESS
    - WHITE - AUDIO CABLE
    - BLACK - DATA CABLE

**STEP 5**
- ORDBII CONNECTOR
  - RED/BROWN - CANH
  - YELLOW/BROWN - CANL

**STEP 6**
- MAESTRO RR MODULE
  - CONNECT TO AFTERMARKET RADIO

**STEP 7**
- MAIN HARNESS
  - WIRE CONNECTIONS:
    - RED/BROWN - CANH
    - YELLOW/BROWN - CANL

**CONNECT TO TWISTED WIRES BEHIND CONNECTOR.**

NOTE: PIN SIDE VIEW.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td></td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake (-) Lt Green</td>
<td></td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake (+) Yellow/Black</td>
<td></td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td></td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEEP COMPASS
2009-2016

RETAINS STEERING WHEEL CONTROLS, UCONECT, UCONECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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.
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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

**NEED HELP?**

1 866 427-2999

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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female RED connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP:**
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

**OPTION 1:**
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: [The factory Bluetooth system is OFF by default]
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
**WIRING DIAGRAM**

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

**STEP 3**
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - RED BLACK
  - BLACK (NC)

**STEP 5**
- ORBDII CONNECTOR
- RED/BROWN - CANH2
- YELLOW/BROWN - CANL2

**STEP 6**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- WIRE CABLE
- AUDIO CABLE
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- PINK - RR SPEAKER (+)

**STEP 7**
- MAESTRO RR MODULE
- NOTE: PIN SIDE VIEW.
  - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Tan</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake (-)</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>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] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
INSTALL GUIDE
JEEP GRAND CHEROKEE
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
**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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

![Fig. 2.1](image)

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female RED connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP:**
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

**OPTION 1:**
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on
and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (connect if there is a match)
- BROWN (not connected)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

**STEP 3**
- CONNECTIONS WITH AMP
  - GREEN
  - WHITE

**STEP 4**
- FACTORY RADIO HARNESS

**STEP 5**
- OBDII CONNECTOR
  - RED/BROWN - CANH2
  - YELLOW/BROWN - CANL2

**STEP 6**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO

**STEP 7**
- MAESTRO RR MODULE

---

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEEP GRAND CHEROKEE
2011-2013

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Instruction</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector (Fig. 2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
  - Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
  - Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
  - Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
  - Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female BLACK connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP:**
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear.
  Choose one of the two Bluetooth OPTIONS below:

**OPTION 1:**
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on

and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED (NC)

STEP 3
- ORBDII CONNECTOR

STEP 4
- FACTORY RADIO HARNESS

STEP 5
- CH1 T-HARNESS

STEP 6
- MAIN HARNESS

STEP 7
- CONNECT TO AFTERMARKET RADIO

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
OPTIONAL ACCESSORIES
- ADS-HRN(AV)-CHR01
- ADS-RR(SR)-CHR01-DS

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH1 Installation Harness

INSTALL GUIDE
JEEP LIBERTY
2008-2012

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, 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.
WELCOME

Congratulations on the purchase of your iDatlink 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 iDatlink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th></th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Instructions</td>
<td>3</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female BLACK connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP:**
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

**OPTION 1:**
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2

CONNECTIONS WITHOUT AMP
- GREEN - WHITE
- WHITE - GREEN

CONNECTIONS WITH AMP
- GREEN - GREEN
- WHITE - WHITE
- BLACK - BLACK
- RED (NC)

STEP 3

CH1 T-HARNESS

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 5

OROII CONNECTOR

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 7

MAESTRO RR MODULE

NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CONNECT TO CH1 T-HARNESS

DATA CABLE

AUDIO CABLE

WIRING DIAGRAM

NOTE: PIN SIDE VIEW. CONNECT TO CH1 T-HARNESS.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEEP PATRIOT
2009-2016

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, 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.
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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on

and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
## VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/Tan</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Wire Description</td>
<td>Polarity</td>
<td>Wire Color on Maestro T-Harness</td>
<td>Wire Color on Alpine cable</td>
<td>Wire Color on Kenwood cable</td>
<td>Wire Color on Pioneer cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>----------</td>
<td>---------------------------------</td>
<td>---------------------------</td>
<td>-----------------------------</td>
<td>----------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td></td>
<td></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></td>
<td></td>
</tr>
<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></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></td>
<td></td>
</tr>
<tr>
<td>VSS [vehicle speed sensor] [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEEP WRANGLER AT 2007-2017

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female BLACK connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. [See the vehicle wire chart reference for wire colors]
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. [See the vehicle wire chart reference for wire colors]

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP**:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

**OPTION 1**:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 TUNE ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED (NC)

**STEP 4**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 5**
- CH1 T-HARNESS
  - RED/BROWN - CAN2H
  - YELLOW/BROWN - CAN2L

**STEP 6**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE

**STEP 7**
- ORBII CONNECTOR
- MAESTRO RR MODULE
- NOTE: PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
**VEHICLE WIRE REFERENCE CHART**

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake (-)</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>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) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
<td></td>
</tr>
</tbody>
</table>
INSTALL GUIDE

JEEP WRANGLER MT
2007-2017

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1-866-427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

Installation Instructions 3
Wiring Diagram 5
Vehicle Wire Reference Chart 6
Radio Wire Reference Chart 7
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female BLACK connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- To connect reverse camera, connect PURPLE/WHITE Reverse Light (+) wire from aftermarket radio to White/Gray wire in harness in passenger kick panel.

STEP 8
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
INSTALLATION INSTRUCTIONS

- Go to the OEM Bluetooth and press ON
- Press the BACK button [circular shaped arrow]
- Scroll down then press FINISH

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SET, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
**WIRING DIAGRAM**

**STEP 1**
- 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE (NC)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE (NC)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 3**
- GREEN - WHITE
- WHITE - GREEN
- WHITE - WHITE
- BLACK - BLACK
- BLACK - BLACK
- RED (NC)
- GREEN - GREEN
- WHITE - WHITE
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L
- PURPLE/WHITE (NC)

**STEP 4**
- FACTORY RADIO HARNESS
- ORBIDI CONNECTOR
- NOTE: PIN SIDE VIEW.
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 5**
- WIRES FROM VEHICLE
- ORBIDI CONNECTOR
- NOTE: PIN SIDE VIEW.
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

**STEP 6**
- CONNECT TO AFTERMARKET RADIO
- MAIN HARNESS
- AUDIO CABLE
- DATA CABLE

**STEP 7**
- PURPLE/WHITE REVERSE LIGHT (+)
- WHITE/GRAY

**STEP 8**
- MAESTRO RR MODULE
- WIRES FROM VEHICLE
- CH1 T-HARNESS
- OBDII CONNECTOR
- NOTE: PIN SIDE VIEW.
- CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>Reverse light</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>White/Gray</td>
<td>[+1]</td>
<td>Harness in passenger kick panel</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
## INSTALL GUIDE

**MITSUBISHI RAIDER**

**2008-2009**

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

---

### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH1 Installation Harness

### OPTIONAL ACCESSORIES
- ADS-HRN(AV)-CHR01

### PROGRAMMED Firmware
- ADS-RR(SR)-CHR01-DS

---

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.
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 and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

WELCOME

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

Installation Instructions

3

Wiring Diagram

5

Vehicle Wire Reference Chart

6

Radio Wire Reference Chart

7
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 CH1 T-harness and match the wire functions.

STEP 2
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
- Plug the female RED connector to the male BLACK connector.

STEP 4
- Connect the factory harness to the CH1 T-harness.

STEP 5
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - RED BLACK
  - BLACK (NC)

**STEP 3**
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

**STEP 4**
- FACTORY RADIO HARNESS

**STEP 5**
- OBDII CONNECTOR

**STEP 6**
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE

**STEP 7**
- MAESTRO RR MODULE
- H D A C B

**NOTE:** PIN SIDE VIEW. CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>Pink/Red</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
## 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS (vehicle speed sensor)</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>

Automotive Data Solutions Inc. © 2017

ADS-RR(SR)-CHR01-DS

maestro.idatalink.com
INSTALL GUIDE

RAM PICKUP

2009-2012

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AY)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system
If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

STEP 1
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- GREEN/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

STEP 3
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED/NC

STEP 4
- FACTORY RADIO HARNESS
  - WIRES FROM VEHICLE

STEP 5
- OBDII CONNECTOR
  - RED/BROWN - CANH
  - YELLOW/BROWN - CANL

STEP 6
- CONNECT TO AFTERMARKET RADIO
  - MAIN HARNESS
  - DATA CABLE
  - AUDIO CABLE

STEP 7
- MAESTRO RR MODULE
  - CH1 T-HARNESS
  - WIRING DIAGRAM
  - NOTE: PIN SIDE VIEW.
  - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/DkGreen</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>
INSTALL GUIDE

VOLKSWAGEN ROUTAN
2008-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED Firmware
ADS-RR(SR)-CHR01-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>

NEED HELP?

1 866 427-2999

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 CH1 T-harness and match the wire functions.

**STEP 2**
- Remove the factory radio.
- Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

**STEP 3**
- Plug the female BLACK connector to the male BLACK connector.

**STEP 4**
- Connect the factory harness to the CH1 T-harness.

**STEP 5**
- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

**STEP 6**
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

**STEP 7**
- Connect all the harnesses to the Maestro RR module then proceed to module setup.

**MODULE SETUP:**
- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

**OPTION 1:**
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH
OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.
For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.
The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.
Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back to its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP
Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

**STEP 3**
- CONNECTIONS WITH AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK
  - RED (NC)

**STEP 4**
- FACTORY RADIO HARNESS
  - WIRES FROM VEHICLE

**STEP 5**
- ORBDII CONNECTOR
  - RED/BROWN - CAN2H
  - YELLOW/BROWN - CAN2L

**STEP 6**
- MAIN HARNESS
  - CONNECT TO AFTERMARKET RADIO
  - DATA CABLE
  - AUDIO CABLE

**STEP 7**
- MAESTRO RR MODULE
  - NOTE: PIN SIDE VIEW.
  - CONNECT TO TWISTED WIRES BEHIND CONNECTOR.
# VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Connector Color</th>
<th>Connector Type</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>06</td>
<td>White/LtBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>-</td>
<td>16 pin</td>
<td>14</td>
<td>White/DkBlue</td>
<td>[DATA]</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[(DATA)]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>

**VOLKSWAGEN ROUTAN 2008-2011**
INSTALL GUIDE
VOLKSWAGEN ROUTAN
2012-2014

RETAILS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

<table>
<thead>
<tr>
<th>Installation Instructions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiring Diagram</td>
<td>5</td>
</tr>
<tr>
<td>Vehicle Wire Reference Chart</td>
<td>6</td>
</tr>
<tr>
<td>Radio Wire Reference Chart</td>
<td>7</td>
</tr>
</tbody>
</table>
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 CH1 T-harness and match the wire functions.

STEP 2
• Remove the factory radio.
• Access the main 22 pin factory radio connector (2.1) and determine if you have a factory amplifier.

If you don’t have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don’t have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3
• Plug the female BLACK connector to the male BLACK connector.

STEP 4
• Connect the factory harness to the CH1 T-harness.

STEP 5
• Access the OBDII connector located under the driver side dashboard.
• Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
• Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6
• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
• Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

STEP 7
• Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:
• Insert the key into the ignition and turn it to the ACC position.
• The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:
This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.
• To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
• Scroll down to Chrysler setup and press SET
• Go to the OEM Bluetooth and press ON
• Press the BACK button (circular shaped arrow)
• Scroll down then press FINISH
INSTALLATION INSTRUCTIONS

OPTION 2:
This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:
• Scroll to the bottom of the setup screen and press FINISH
• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system. For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner’s manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES. Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:
• To reset the module back its factory settings, 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.
• For technical assistance call 1-866-427-2999 or e-mail “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

2014 Pioneer Radios:
For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.
Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.
WIRING DIAGRAM

**STEP 1**
- 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 (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITHOUT AMP
  - GREEN WHITE
  - WHITE GREEN

**CONNECTIONS WITH AMP**
- GREEN GREEN
- WHITE WHITE
- BLACK BLACK
- RED (NC)

**STEP 4**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

**STEP 5**
- ORBDII CONNECTOR
- Connect to twisted wires behind connector.

**STEP 6**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO

**STEP 7**
- MAESTRO RR MODULE
- DATA CABLE
- AUDIO CABLE

**NOTE:** PIN SIDE VIEW.

Connect to twisted wires behind connector.
### VEHICLE WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Connector Name</th>
<th>Position</th>
<th>Wire Color</th>
<th>Polarity</th>
<th>Wire Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN2H</td>
<td>OBDII</td>
<td>16 pin</td>
<td>White/LtBlue</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
<tr>
<td>CAN2L</td>
<td>OBDII</td>
<td>16 pin</td>
<td>White</td>
<td>(DATA)</td>
<td>OBDII connector, under driver side dash</td>
</tr>
</tbody>
</table>
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</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>
</tr>
<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</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>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>