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 300
2015-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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PRODUCTS REQUIRED
- iDataLink Maestro RR Radio Replacement Interface
- iDataLink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
- ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
- ADS-SP1

Click here for:
- Radar Integration Installation Guide
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NEED HELP?

1 866 427-2999

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STEP 1
• Unbox the aftermarket radio and locate its main harness.
• Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

STEP 2
• Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

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• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

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• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
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NOTE:
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If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

TROUBLESHOOTING TIPS:
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<tr>
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  - Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.
- Remove the factory radio.

STEP 3

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

STEP 4

- If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
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NOTE:
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STEP 6

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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- YELLOW - 12V (+)
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- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- PURPLE/WHITE - AMP TURN ON (+)
- MAIN HARNESS
- BACKUP CAM
- RCA CABLES
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 2
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK N.C.

STEP 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN

STEP 4
- CAN JUNCTION CONNECTOR
  - LOCATION: RIGHT END OF DASH
  - CANH: YELLOW/BROWN
     - CANL: YELLOW

FOR HARNESS VER 1.6 AND EARLIER:
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

STEP 5
- SPEAKER*
  - *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
- RCA CABLES
- MAIN HARNESS

STEP 6
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN

*OPTIONAL ACCESSORY
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<td>VSS (vehicle speed sensor) [DATA]</td>
<td>Pink</td>
<td>Green/White</td>
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INSTALL GUIDE
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2017
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• Remove the factory radio.

STEP 3

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STEP 4

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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BLUE/WHITE - AMP TURN ON (+)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

#### Step 2
- CONNECTIONS WITH AMP
  - GREEN
  - WHITE
- CONNECTIONS WITHOUT AMP
  - GREEN
  - GREEN
  - WHITE
  - WHITE
- BLACK
- BLACK

#### Step 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- RCA CABLES

#### Step 4
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

#### Step 5
- SPEAKER*
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**STEP 2**
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK N.C.

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

**STEP 4**
- CAN JUNCTION Connector
- FOR HARNESS VER 1.4 AND EARLIER:
  - CUT AND REMOVE OBDII CONNECTOR.
  - CONNECT RED/BROWN TO CANH.
  - CONNECT YELLOW/BROWN TO CANL.
- LOCATION: RIGHT END OF DASH
  - CANH: YELLOW/BLUE
  - CANL: YELLOW

**STEP 5**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION
- DATA CABLE
- AUDIO CABLE

**STEP 6**
- SPEAKER*
  - *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
  - A
  - B
  - C
  - D
  - G
  - H

*OPTIONAL ACCESSORY*
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DODGE CHALLENGER
2015-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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

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- If using a CH3 T-harness **VER_1.6 or earlier**, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BROWN - NOT CONNECTED

**STEP 2**

CONNECTIONS WITH AMP

- GREEN WHITE

CONNECTIONS WITHOUT AMP

- GREEN GREEN
- WHITE WHITE
- BLACK BLACK
- N.C.

**STEP 3**

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

**STEP 4**

CAN JUNCTION CONNECTOR

FOR HARNESS VER. 1.6 AND EARLIER:
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

LOCATION: RIGHT END OF DASH
CANH: WHITE/BROWN
CANL: YELLOW

**STEP 5**

CONNECT TO AFTERMARKET RADIO

READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

**STEP 6**

MAESTRO RR MODULE

CONNECT TO AFTERMARKET RADIO

READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

- SPEAKER
- *OPTIONAL ACCESSORY

- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

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CANH: WHITE/BROWN
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RCA CABLES

MAESTRO RR MODULE

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DODGE CHARGER
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• Remove the factory radio.

STEP 3

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STEP 4

• Plug the aftermarket radio harnesses into the aftermarket radio.
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- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
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- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

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

STEP 3
- FACTORY RADIO HARNESS
  - WIRES FROM VEHICLE

STEP 4
- MAIN HARNESS
- AUDIO CABLE
- RCA CABLES
- BACKUP CAM
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 5
- MAESTRO RR MODULE
  - SPEAKER* *OPTIONAL ACCESSORY
  - CH3 T-HARNESS
  - CONNECTION NOT REQUIRED

CH3 T-HARNESS
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ORANGE - ILLUMINATION (+)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
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GREEN/WHITE
WHITE/GREEN
CONNECTIONS WITH AMP

WHITE/WHITE
GREEN/GREEN
CONNECTIONS WITHOUT AMP

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FACTORY RADIO HARNESS
WIRING FROM VEHICLE

STEP 4
BLACK
FOR HARNESS VER_1.6 AND EARLIER:
CUT AND REMOVE OBDII CONNECTOR.
CONNECT RED/BROWN TO CANH.
CONNECT YELLOW/BROWN TO CANL.

STEP 5
MAESTRO RR MODULE
CONNECT TO AFTERMARKET RADIO
READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 6
RCA CABLES
DATA CABLE
AUDIO CABLE
SPEAKER*
*OPTIONAL ACCESSORY

LOCATION: RIGHT END OF DASH
CANH: YELLOW/BROWN
CANL: YELLOW

READ NOTE IN INSTALLATION INSTRUCTIONS SECTION FOR HARNESS VER_1.6 AND EARLIER:
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DODGE DURANGO
2014-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
ADS-SP1

Click here for:
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NEED HELP?

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STEP 3
• Connect the factory harness to the CH3 T-harness.

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- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - ILLUMINATION (+)
- LTGREEN - E-BRAKE (-)
- BLUE/WHITE - AMP TURN ON (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
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STEP 2
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK

STEP 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

STEP 4
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- BACKUP CAM
- RCA CABLES
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 5
- SPEAKER*
  - OPTIONAL ACCESSORY
- MAESTRO RR MODULE

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• Connect the factory harness to the CH3 T-harness.

STEP 4

• If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
• Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
• Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

STEP 5

• Plug the aftermarket radio harnesses into the aftermarket radio.

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STEP 6

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STEP 3
- GREEN - MAIN HARNESS
- WHITE - DATA CABLE
- GREEN WHITE - AUDIO CABLE
- BLACK - HARNESS WIRES FROM VEHICLE
- N.C.

FOR HARNESS VER_1.6 AND EARLIER:
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

LOCATION: DRIVER SIDE DASH
- CANH: YELLOW/DBLUE
- CANL: YELLOW

STEP 5
- MAESTRO RR MODULE
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- BACKUP CAM
- MAIN HARNESS
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 6
- CONNECT TO AFTERMARKET RADIO
- AUDIO CABLE
- DATA CABLE
- SPEAKER*
- "OPTIONAL ACCESSORY"

CH3 T-HARNESS
- BLACK (NOT CONNECTED)

*OPTIONAL ACCESSORY

CONNECT FACTORY RADIO HARNESS WIRES FROM VEHICLE
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JEEP GRAND CHEROKEE
2014-2017

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
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- BLACK - GROUND
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- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNNECTIONS WITH AMP
  - GREEN - WHITE
  - WHITE - GREEN

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  - GREEN - GREEN
  - WHITE - WHITE
  - BLACK - N.C.

**STEP 4**
- CAM JUNCTION CONNECTOR
  - BLACK

**STEP 5**
- CONNECT TO AFTERMARKET RADIO

**STEP 6**
- RCA CABLES
- SPEAKER* (OPTIONAL ACCESSORY)

---

**FOR HARNESS VER_1.6 AND EARLIER:**
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

**LOCATION:** DRIVER SIDE DASH
- CANH : YELLOW/DKBLUE
- CANL : YELLOW
## RADIO WIRE REFERENCE CHART

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

JEEP WRANGLER JL
2018

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
ADS-SP1

Click here for:
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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

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

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 CH3 T-harness and match the wire functions.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).
If the vehicle DOES NOT have a factory amplifier:
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- Remove the factory radio.

STEP 3

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

STEP 4

- If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
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STEP 5

- 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.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 the Maestro RR.
If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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/”
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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
CONNECTIONS WITH AMP
- GREEN WHITE
- WHITE GREEN

CONNECTIONS WITHOUT AMP
- GREEN GREEN
- WHITE WHITE
- BLACK N.C.

STEP 3
FACTORY RADIO HARNESS

STEP 4
CAN JUNCTION CONNECTOR
- BLACK

FOR HARNESS VER_1.6 AND EARLIER:
CUT AND REMOVE OBDII CONNECTOR.
CONNECT RED/BROWN TO CANH.
CONNECT YELLOW/BROWN TO CANL.

STEP 5

STEP 6

CONNECT TO AFTERMARKET RADIO
READ NOTE IN INSTALLATION INSTRUCTIONS SECTION
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RAM 1500
2013-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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iDatalink Maestro CH3 Installation Harness

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OPTIONAL ACCESSORIES
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• Connect the wires shown on the next page from aftermarket radio main harness to the CH3 T-harness and match the wire functions.

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

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• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

STEP 4
• 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.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
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STEP 5
• Connect all the harnesses to the Maestro RR module then test your installation.
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If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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• 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.
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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TUNE ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
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- BROWN (NOT CONNECTED)

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

STEP 3
- CH3 T-HARNESS
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

STEP 4
- MAIN HARNESS
- RCA CABLES
- BACKUP CAM
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 5
- DATA CABLE
- AUDIO CABLE
- SPEAKER*
- *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- BACKUP CAM

CONNECTION NOT REQUIRED

*OPTIONAL ACCESSORY

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INSTALL GUIDE
RAM 1500
2018

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
ADS-SP1

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- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
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STEP 3
- Remove the factory radio.

STEP 4
- If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
- Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
- Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

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

STEP 6
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If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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RAM 1500
2019
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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ADS-SP1
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INSTALLATION INSTRUCTIONS

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

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STEP 2
CONNECTIONS WITH AMP
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- WHITE - GREEN

CONNECTIONS WITHOUT AMP
- GREEN - GREEN
- WHITE - WHITE
- BLACK - N.C.

STEP 3
FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

STEP 4
CAN JUNCTION CONNECTOR
- BLACK

FOR HARNESS VER 1.4 AND EARLIER:
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

STEP 5
MAESTRO RR MODULE
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 6
CONNECT TO FACTORY RADIO HARNESS WIRES FROM VEHICLE
- SPEAKER* : OPTIONAL ACCESSORY

*OPTIONAL ACCESSORY
- RCA CABLES
- DATA CABLE
- AUDIO CABLE

NOTE IN INSTALLATION INSTRUCTIONS SECTION
- FOR HARNESS VER 1.6 AND EARLIER:
- CUT AND REMOVE OBDII CONNECTOR.
- CONNECT RED/BROWN TO CANH.
- CONNECT YELLOW/BROWN TO CANL.

LOCATION: DRIVER SIDE DASH
- CANH : YELLOW/BROWN
- CANL : YELLOW
# 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>
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<tbody>
<tr>
<td>Illumination (+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
<td>Orange/White</td>
<td>Orange/White</td>
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<tr>
<td>Reverse Light (+)</td>
<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
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<tr>
<td>E-Brake (-)</td>
<td>Lt Green</td>
<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>
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</tbody>
</table>
INSTALL GUIDE
RAM 2500 & 3500
2013-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, 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 CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
Click here for:
Radar Integration Installation Guide
Radar Integration Owner’s Guide for Kenwood and JVC Radios

ADS-SP1

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WELCOME

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

Before starting your installation, please ensure that your iDataLink Maestro module is programmed with the correct firmware 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.

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<td>Radio Wire Reference Chart</td>
<td>5</td>
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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 CH3 T-harness and match the wire functions.

STEP 2
• Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.
• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

STEP 4
• 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.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5
• Connect all the harnesses to the Maestro RR module then test your installation.
• If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 the Maestro RR.

If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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/”
**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 (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BLUE/WHITE - AMP. TURN ON (+)
- GREEN/WHITE
- WHITE/GREEN
- CONNECTIONS WITH AMP
- WHITE/BLACK
- BLUE/WHITE
- BLACK/BLACK
- CONNECTIONS WITHOUT AMP
- GREEN
- GREEN
- WHITE
- WHITE
- BLACK
- BLACK

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

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

**STEP 4**
- MAIN HARNESS
- RCA CABLES
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

**STEP 5**
- SPEAKER*
- "OPTIONAL ACCESSORY"
- MAESTRO RR MODULE
- RCA CABLES
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- AUDIO CABLE
- CH3 T-HARNESS
- CONNECTION NOT REQUIRED

*OPTIONAL ACCESSORY

---

**Notes:**
- CH3 T-HARNESS
- FACTORY RADIO HARNESS
- SPEAKER*
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• Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

STEP 3
• Remove the factory radio.

STEP 4
• If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
• Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
• Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

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

STEP 6
• Connect all the harnesses to the Maestro RR module then test your installation.
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- GRAY - RF SPEAKER (+)
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- 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)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- PURPLE/BLACK - RR SPEAKER (-)
- BROWN (NOT CONNECTED)

STEP 2
CONNECTIONS WITH AMP
- GREEN WHITE
CONNECTIONS WITHOUT AMP
- GREEN GREEN
- WHITE WHITE
- BLACK N.C.

STEP 3
FACTORY RADIO HARNESS
WIRES FROM VEHICLE

STEP 4
CAN JUNCTION CONNECTOR
LOCATION: DRIVER SIDE DASH
CANH: YELLOW/BROWN
CANL: YELLOW
FOR HARNESS VER_1.6 AND EARLIER: CUT AND REMOVE OBDII CONNECTOR. CONNECT RED/BROWN TO CANH. CONNECT YELLOW/BROWN TO CANL.

STEP 5
CONNECT TO AFTERMARKET RADIO
MAIN HARNESS
BACKUP CAM
RCA CABLES
READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 6
MAESTRO RR MODULE
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<tr>
<td>Illumination (+)</td>
<td></td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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<td>Reverse Light (+)</td>
<td></td>
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<td>Foot Brake (+)</td>
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<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
RAM CHASSIS CAB
2013-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, 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 CH3 Installation Harness

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

OPTIONAL ACCESSORIES
ADS-SP1

Click here for:
Radar Integration Installation Guide
Radar Integration Owner’s Guide for Kenwood and JVC Radios
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.

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<tr>
<td>Radio Wire Reference Chart</td>
<td>5</td>
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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 CH3 T-harness and match the wire functions.

STEP 2
• Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
• Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:
• Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
• Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.

• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

STEP 4
• 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.

NOTE:
In Pioneer radios: plug Audio cable in auxiliary input of the radio.
If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5
• Connect all the harnesses to the Maestro RR module then test your installation.
• If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 the Maestro RR.

If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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/”
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 (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN

- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK

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

**STEP 4**
- MAIN HARNESS
- DATA CABLE
- AUDIO CABLE
- RCA CABLES
- CONNECT TO AFTERMARKET RADIO
- BACKUP CAM

**STEP 5**
- SPEAKER*
  - *OPTIONAL ACCESSORY
- CH3 T-HARNESS
- CONNECTION NOT REQUIRED

*OPTIONAL ACCESSORY

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ADS-RR(SR)-CHR03-DS
maestro.idatalink.com
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• Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.
• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

STEP 4
• If using a CH3 T-harness VER_1.6 or earlier, the OBDII connection will not provide the data necessary for this solution to function properly.
• Connect the black 2-pin connector from the OBDII cable to the CH3 T-harness. Cut and remove the OBDII connector from the cable.
• Connect Red/Brown wire to vehicle CANH and Yellow/Brown to vehicle CANL, located at CAN junction connector.

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

STEP 6
• 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.

NOTE:
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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BROWN (NOT CONNECTED)

STEP 2
- GREEN WHITE
- WHITE GREEN
- CONNECTIONS WITH AMP
- CONNECTIONS WITHOUT AMP
- GREEN GREEN
- WHITE WHITE
- BLACK N.C.

STEP 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

STEP 4
- CAN JUNCTION CONNECTOR
- LOCATION: DRIVER SIDE DASH
- CANH: YELLOW/BROWN
- CANL: YELLOW
- FOR HARNESS VER_1.6 AND EARLIER:
  CUTF AND REMOVE OBDII CONNECTOR.
  CONNECT RED/BROWN TO CANH.
  CONNECT YELLOW/BROWN TO CANL.

STEP 5
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- CONNECTIONS WITH AMP
- CONNECTIONS WITHOUT AMP
- GREEN WHITE
- WHITE GREEN
- RCA CABLES

STEP 6
- CONNECT TO AFTERMARKET RADIO
- CONNECTIONS WITH AMP
- CONNECTIONS WITHOUT AMP
- GREEN WHITE
- WHITE GREEN
- RCA CABLES
- BACKUP CAM
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION
- SPEAKER*
- *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
- DATA CABLE
- AUDIO CABLE
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