



HOW TO USE THIS INSTALL GUIDE

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

WARNING

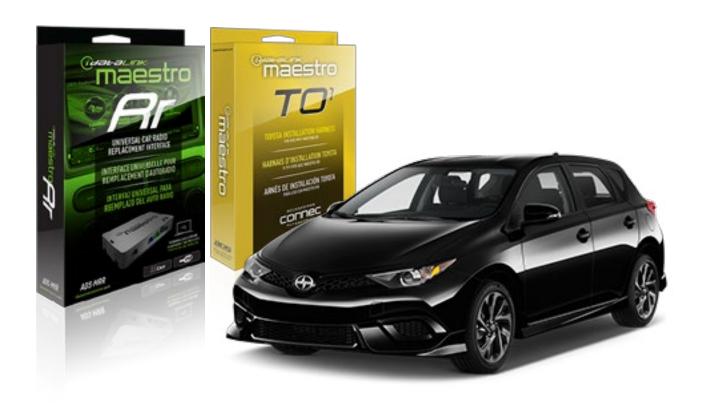
Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.



INSTALL GUIDE

2016 SCION IM

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

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NEED HELP?



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

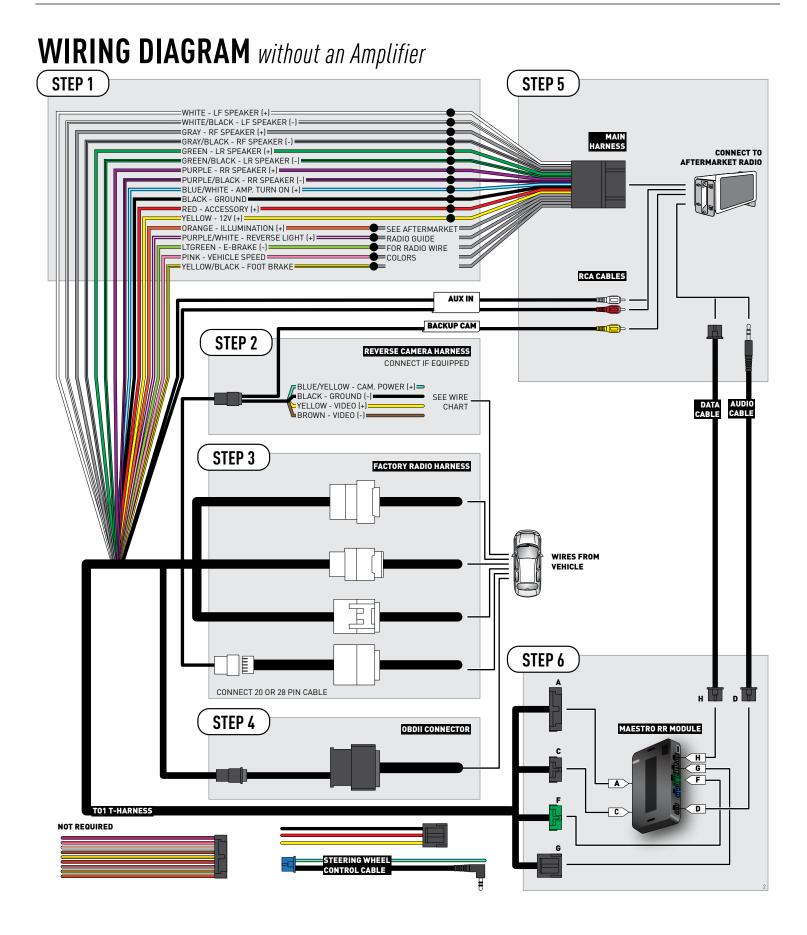
STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

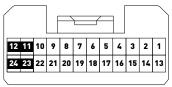
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	[+]	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	[+]	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Black	[+]	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)

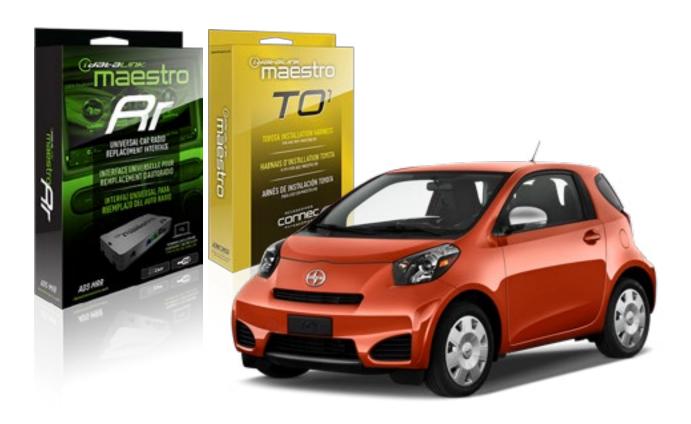




INSTALL GUIDE

2012-2015 SCION IQ

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

• Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

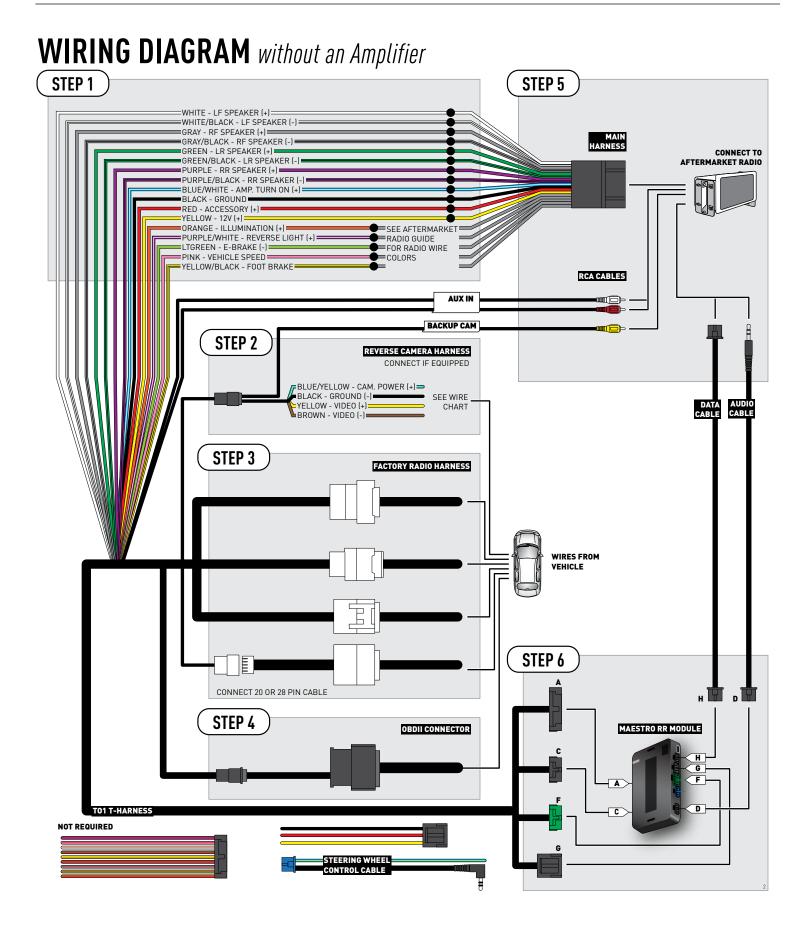
STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2007-2016 SCION TC

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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OPTIONAL ACCESSORIES



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STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

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• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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



VEHICLE WIRE REFERENCE CHART

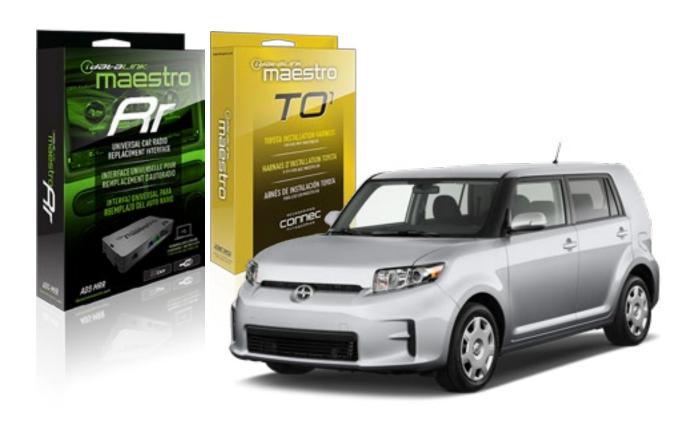
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2008-2016 SCION XB

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

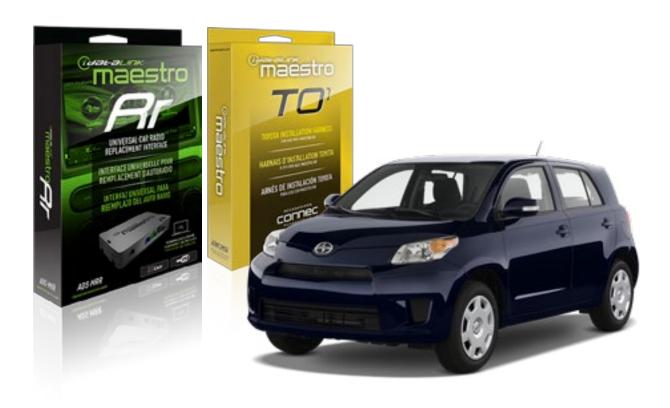
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2008-2014 SCION XD

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2005-2011 TOYOTA 4 RUNNER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

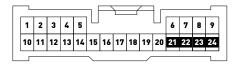
2006-2009

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	[-]	Reverse camera harness

2010-2011

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Black	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)



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INSTALL GUIDE

2012-2013 TOYOTA 4 RUNNER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"

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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 REVERSE CAMERA HARNESS CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL

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CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



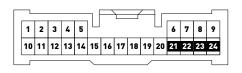
VEHICLE WIRE REFERENCE CHART

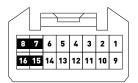
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	[+]	Reverse camera harness
Ground	~	~	24 pin	21	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	22	White	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Black	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2005-2011 TOYOTA 4 RUNNER WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

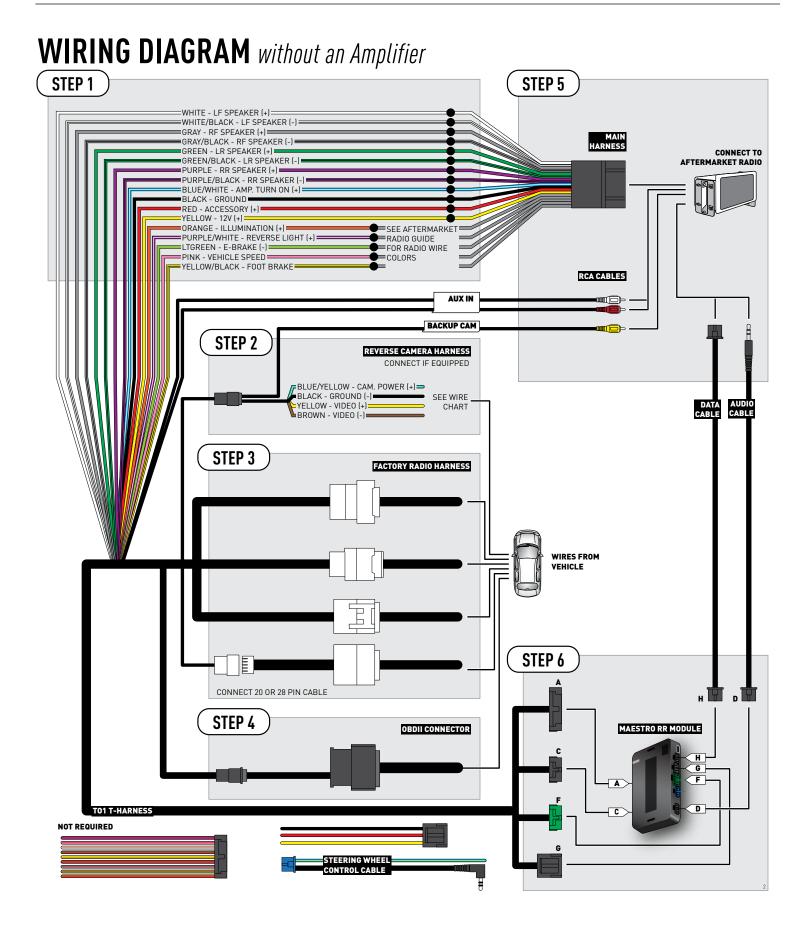
• Connect all the harnesses to the Maestro RR module then test your installation.

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2012-2013 TOYOTA 4 RUNNER WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

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

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• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

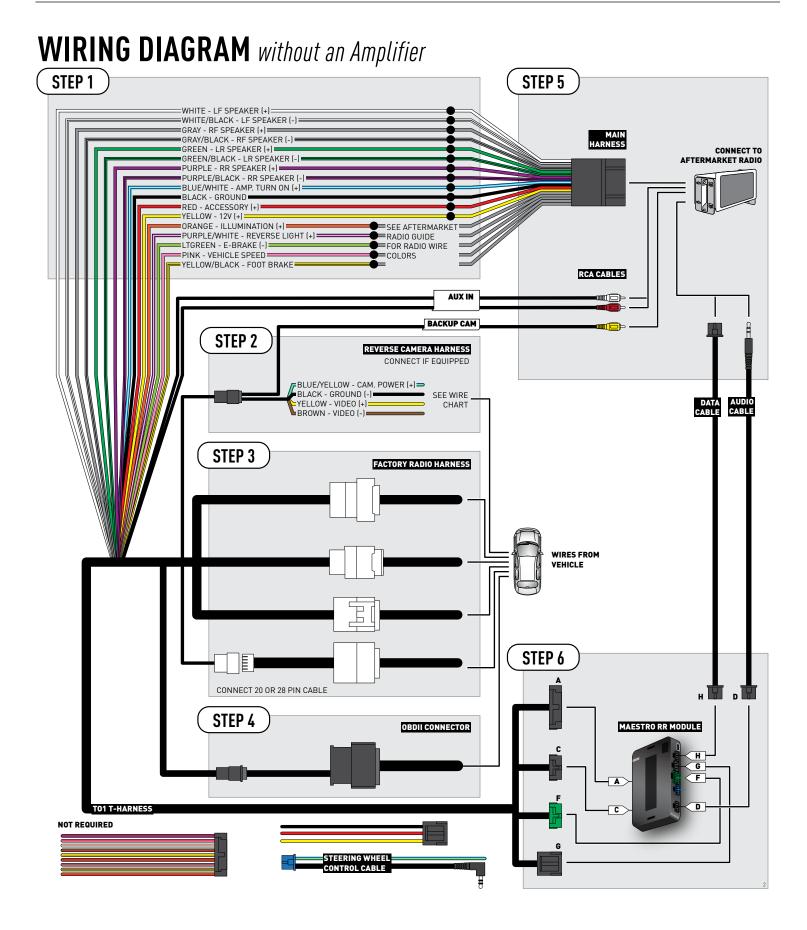
• Connect all the harnesses to the Maestro RR module then test your installation.

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.
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RADIO WIRE REFERENCE CHART

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



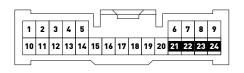
VEHICLE WIRE REFERENCE CHART

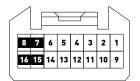
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	[+]	Reverse camera harness
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Video -	~	~	24 pin	23	Black	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



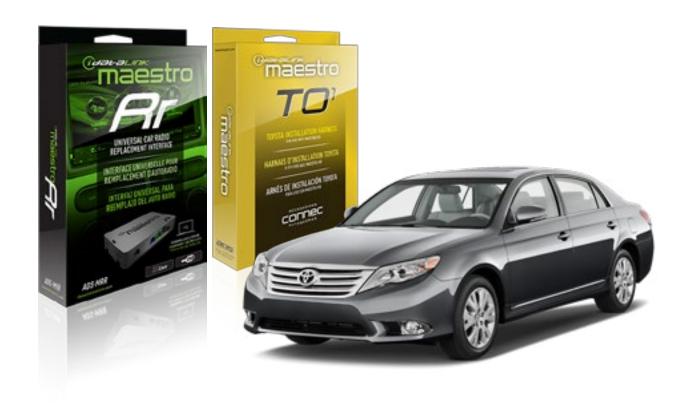




INSTALL GUIDE

2011-2012 TOYOTA AVALON WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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WELCOME

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TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL

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CONTROL CABLE



RADIO WIRE REFERENCE CHART

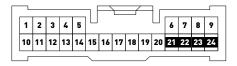
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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REVERSE CAMERA CONNECTOR (WIRE SIDE)

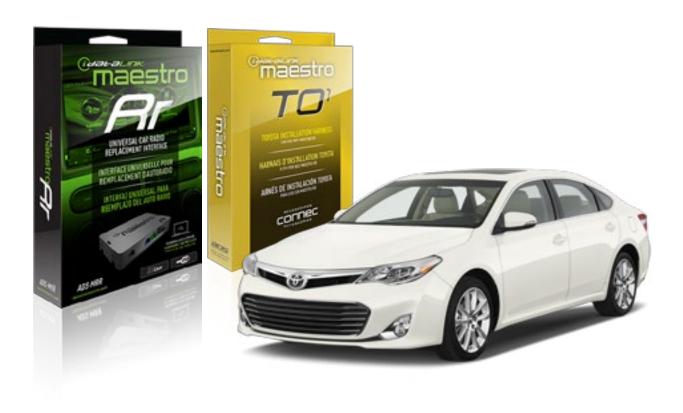




INSTALL GUIDE

2013-2014 TOYOTA AVALON WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

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

TROUBLESHOOTING TIPS:

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

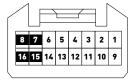
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REVERSE CAMERA CONNECTOR (WIRE SIDE)

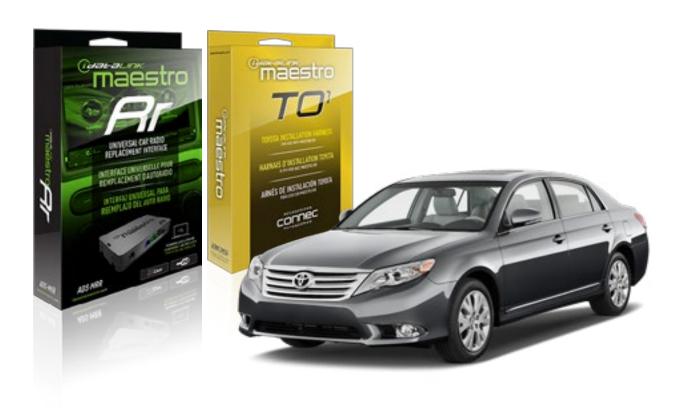




INSTALL GUIDE

2011-2012 TOYOTA AVALON WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

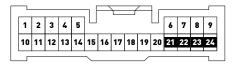
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Green	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Blue	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Pink	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

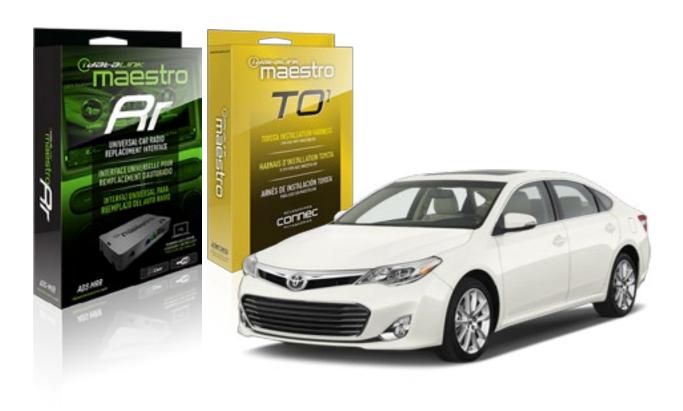




INSTALL GUIDE

2013-2014 TOYOTA AVALON WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

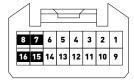
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Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	[-]	Reverse camera harness
Video +	~	~	16 pin	08	White	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Red	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

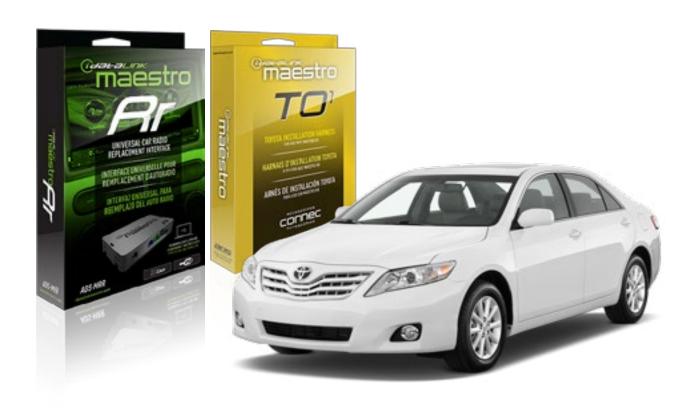




INSTALL GUIDE

2007-2011 TOYOTA CAMRY WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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and JVC Radios



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

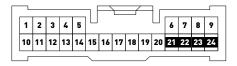
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	[+]	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	21	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	23	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

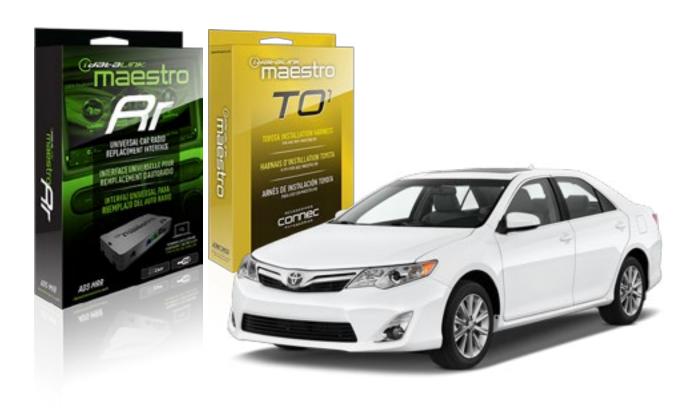




INSTALL GUIDE

2012-2014 TOYOTA CAMRY WITHOUT FACTORY SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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WELCOME

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

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

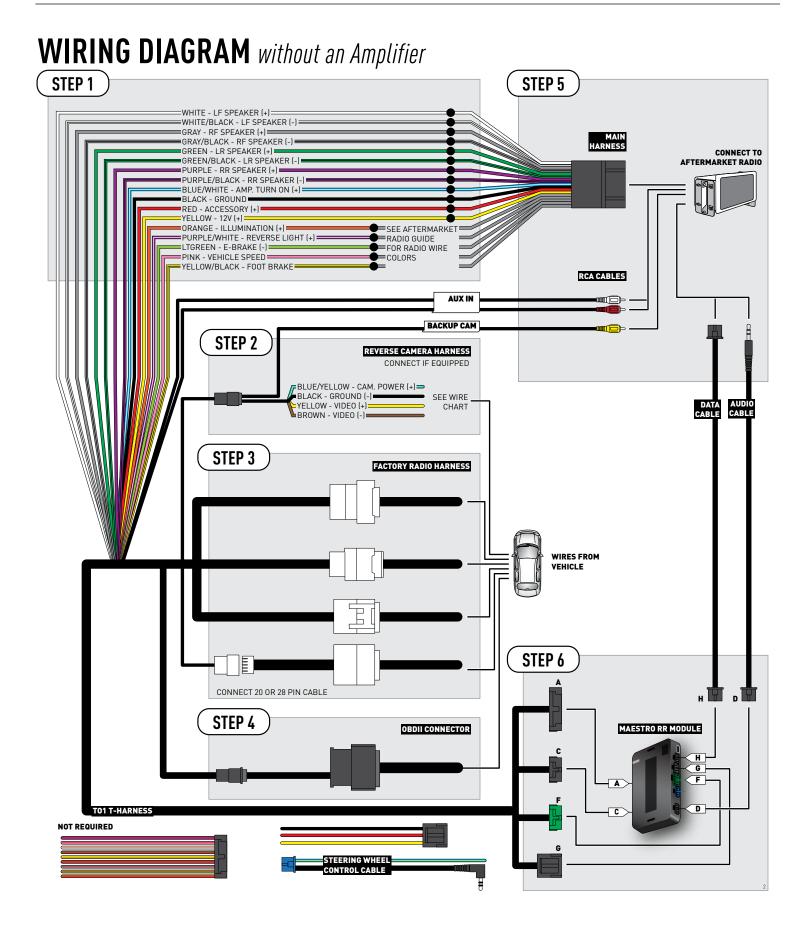
• Connect all the harnesses to the Maestro RR module then test your installation.

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.
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RADIO WIRE REFERENCE CHART

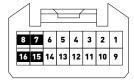
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	[-]	Reverse camera harness
Video +	~	~	16 pin	08	White	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Red	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

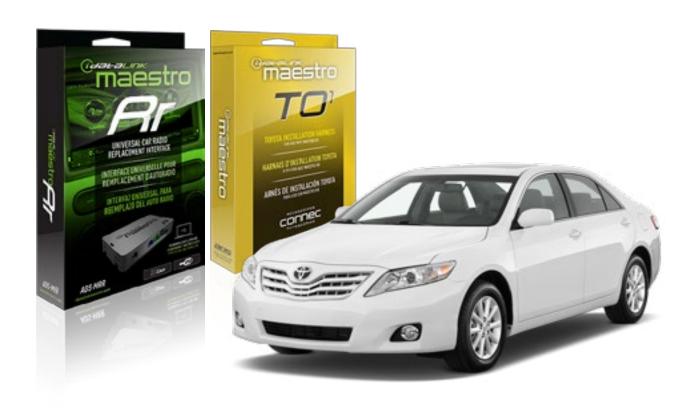




INSTALL GUIDE

2007-2011 TOYOTA CAMRY WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

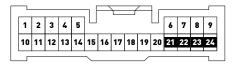
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REVERSE CAMERA CONNECTOR (WIRE SIDE)





INSTALL GUIDE

2017-2018 TOYOTA COROLLA IM

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

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

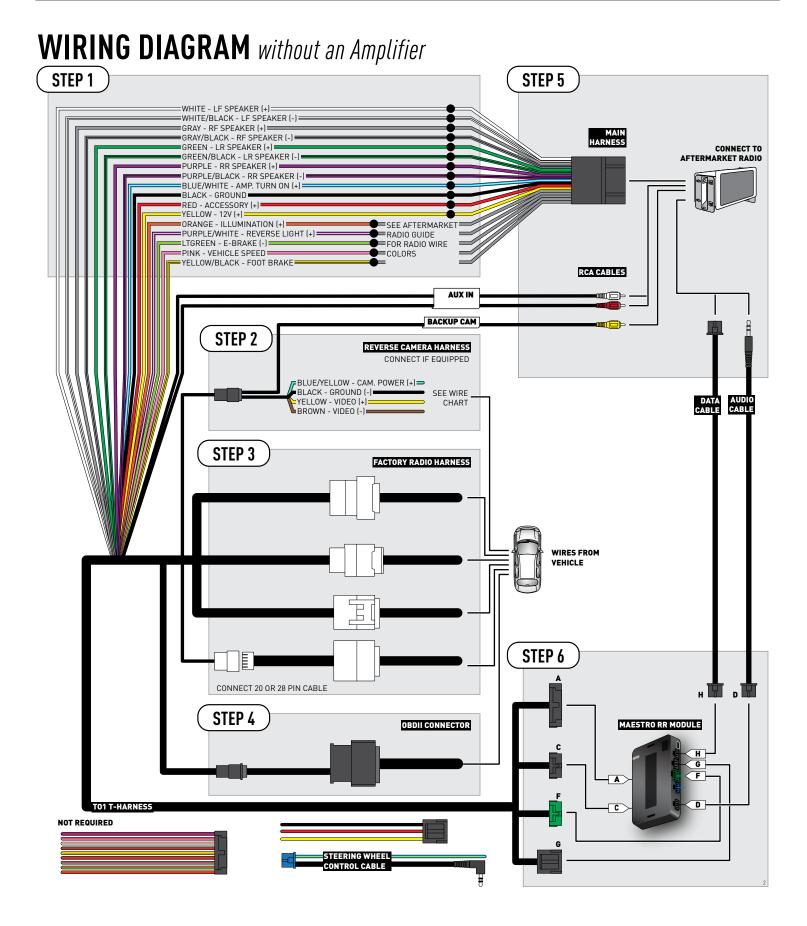
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RADIO WIRE REFERENCE CHART

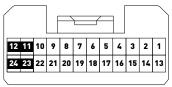
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Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Black	[+]	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)

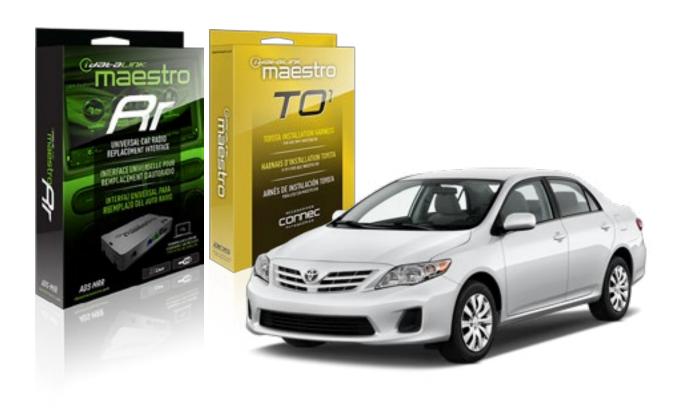




INSTALL GUIDE

2009-2013 TOYOTA COROLLA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"

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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

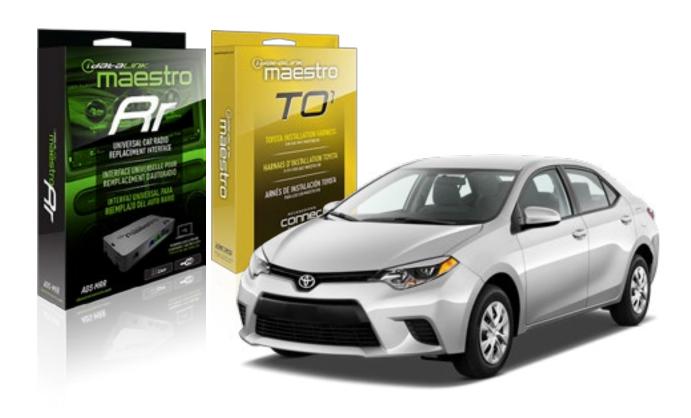
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2014-2015 TOYOTA COROLLA WITHOUT FACTORY SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

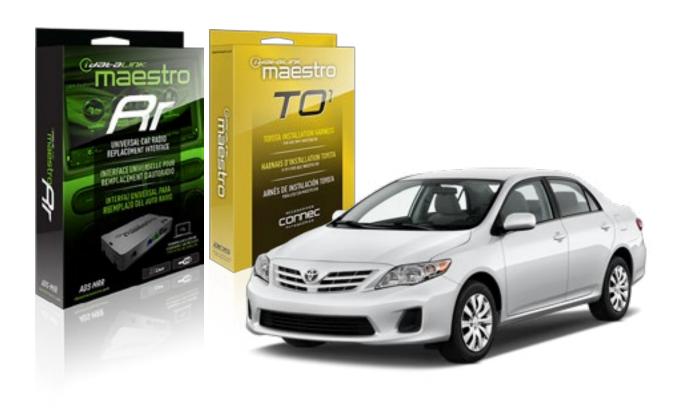
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2009-2013 TOYOTA COROLLA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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Radar Integration Owner's Guide for Kenwood
and JVC Radios



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

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2006-2014 TOYOTA FJ CRUISER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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



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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

NEED HELP?



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"



WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL

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CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2006-2014 TOYOTA FJ CRUISER WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
Radar Integration Installation Guide
Radar Integration Owner's Guide for Kenwood
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WELCOME

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

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TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

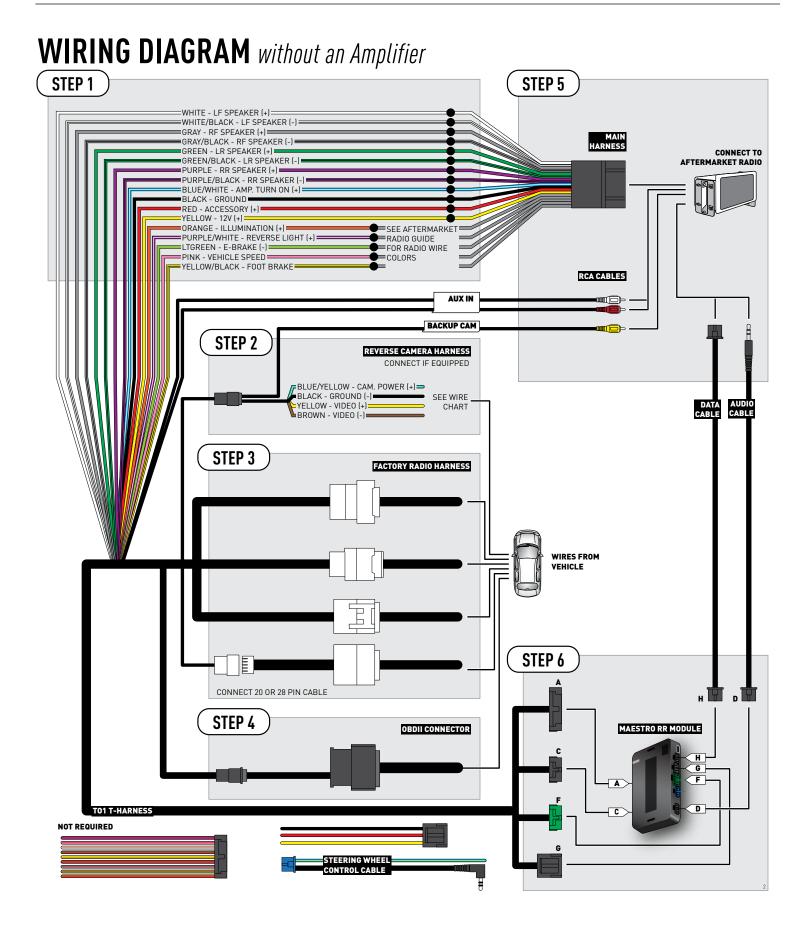
STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2008-2012 TOYOTA HIGHLANDER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

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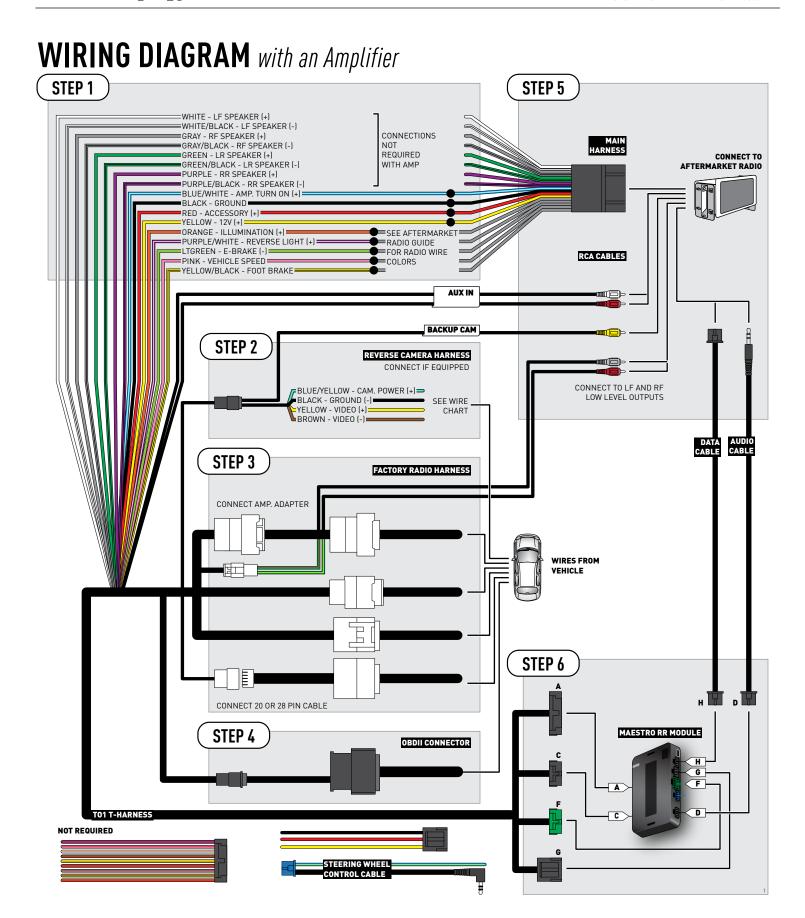
STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



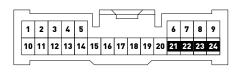
VEHICLE WIRE REFERENCE CHART

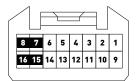
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2013 TOYOTA HIGHLANDER WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"



WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR

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NOT REQUIRED

STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



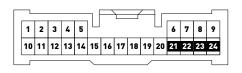
VEHICLE WIRE REFERENCE CHART

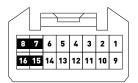
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	21	White	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Shield	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2008-2012 TOYOTA HIGHLANDER WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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and JVC Radios

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WELCOME

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

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

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TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

NEED HELP?



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2013 TOYOTA HIGHLANDER WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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and JVC Radios

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WELCOME

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

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

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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 TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

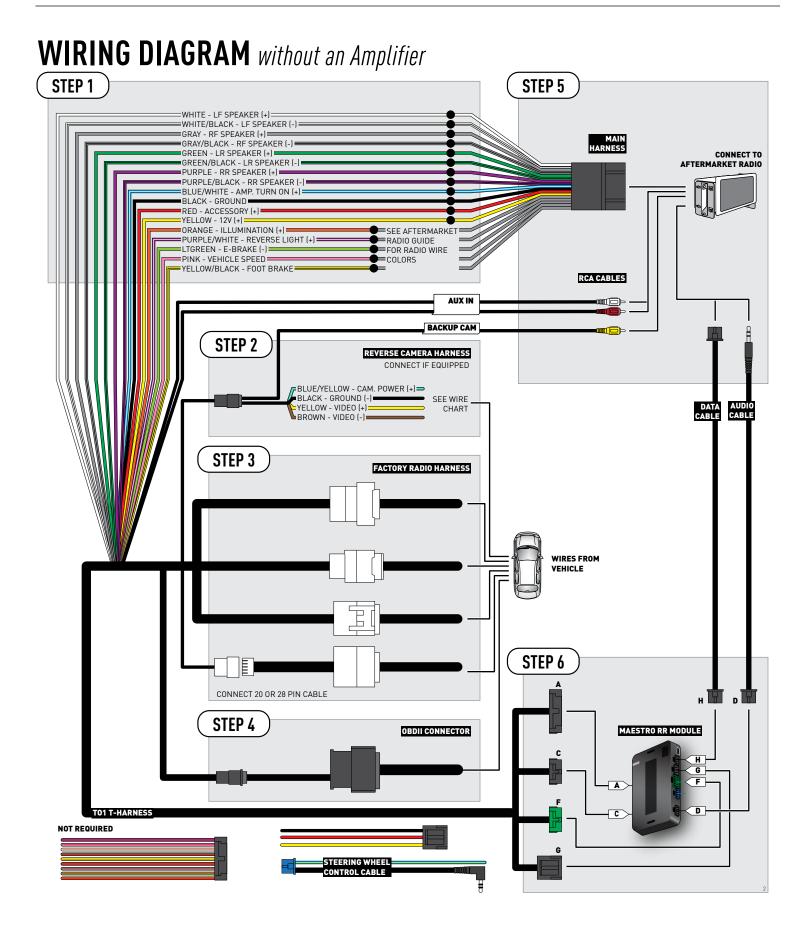
STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

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



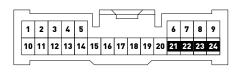
VEHICLE WIRE REFERENCE CHART

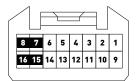
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	21	White	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Shield	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



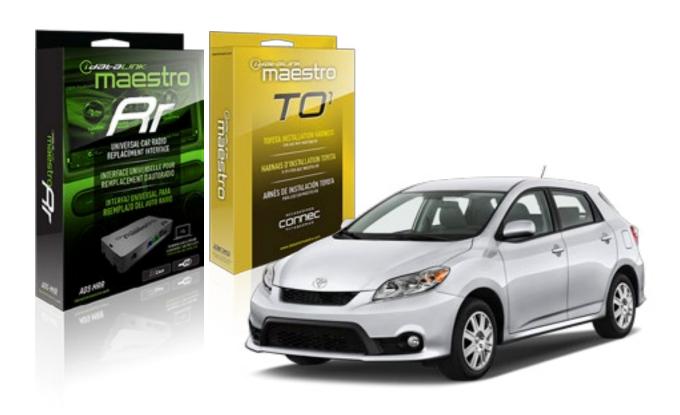




INSTALL GUIDE

2013-2014 TOYOTA MATRIX

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2009-2012 TOYOTA MATRIX WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



Click here for:
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and JVC Radios



WELCOME

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

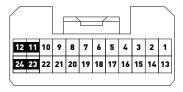
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Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

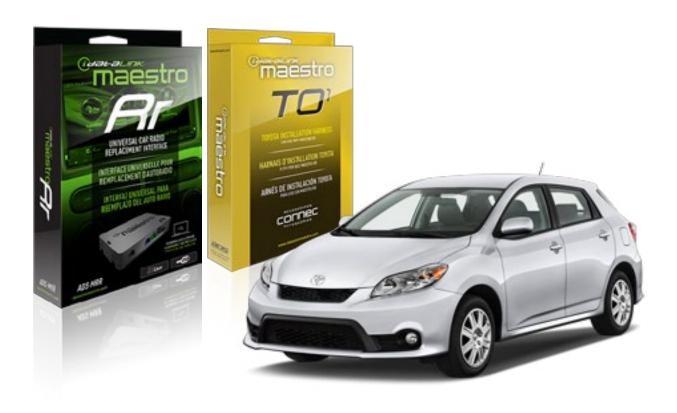




INSTALL GUIDE

2009-2012 TOYOTA MATRIX WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

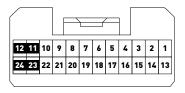
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

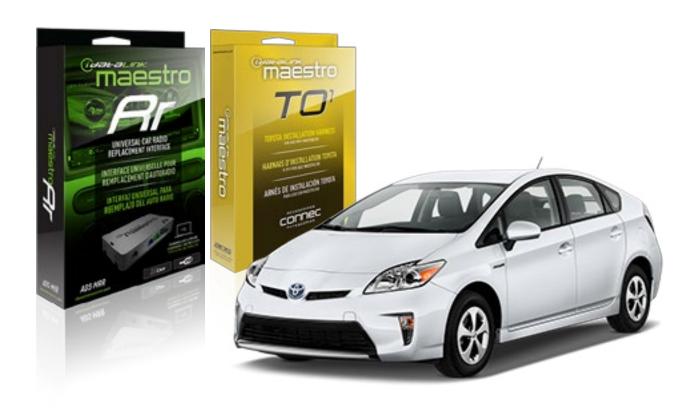




INSTALL GUIDE

2012-2015 TOYOTA PRIUS BASE

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

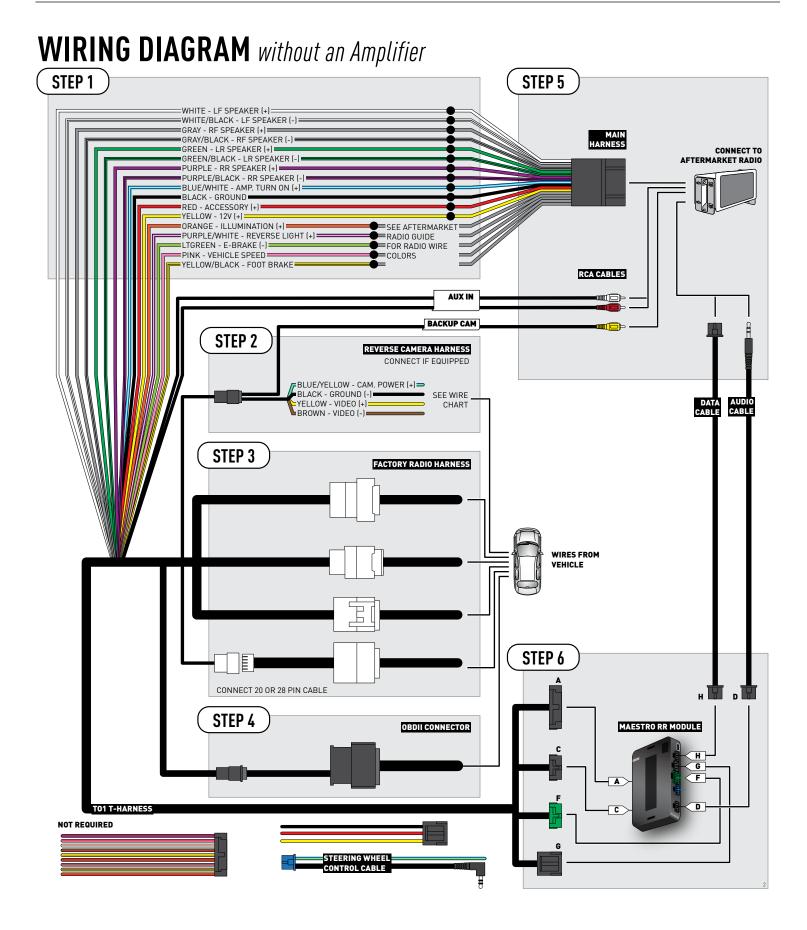
STEP 6

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

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.
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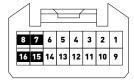
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	[-]	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Black	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

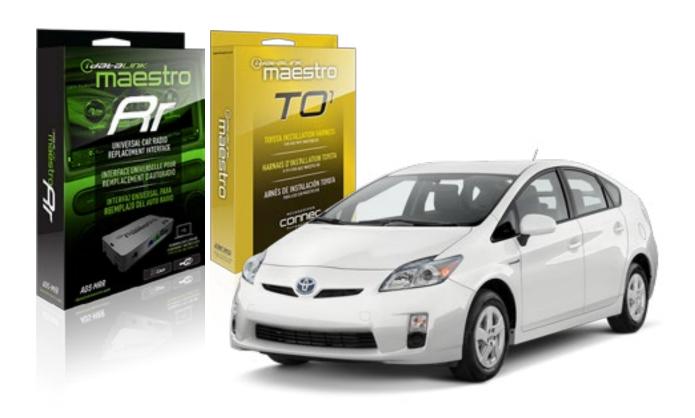




INSTALL GUIDE

2010-2011 TOYOTA PRIUS WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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NEED HELP?



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 REVERSE CAMERA HARNESS CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

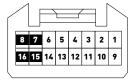
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Reverse Light	[+]	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	[-]	Reverse camera harness
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Video -	~	~	16 pin	16	Black	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

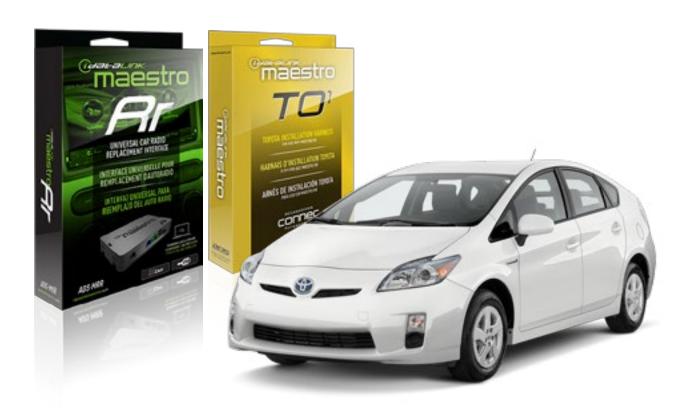




INSTALL GUIDE

2010-2011 TOYOTA PRIUS WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

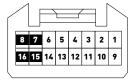
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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REVERSE CAMERA CONNECTOR (WIRE SIDE)

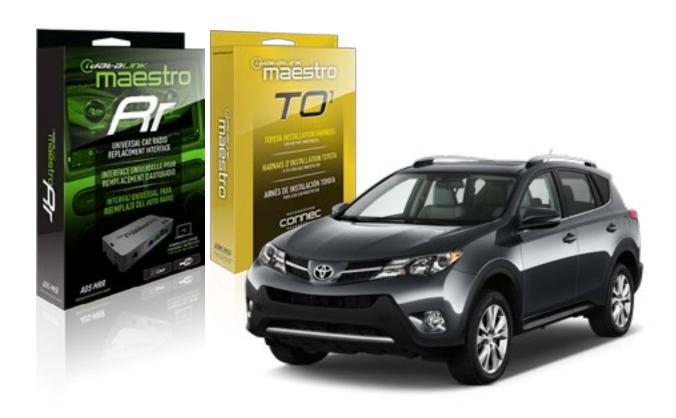




INSTALL GUIDE

2012 TOYOTA RAV 4

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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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 TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

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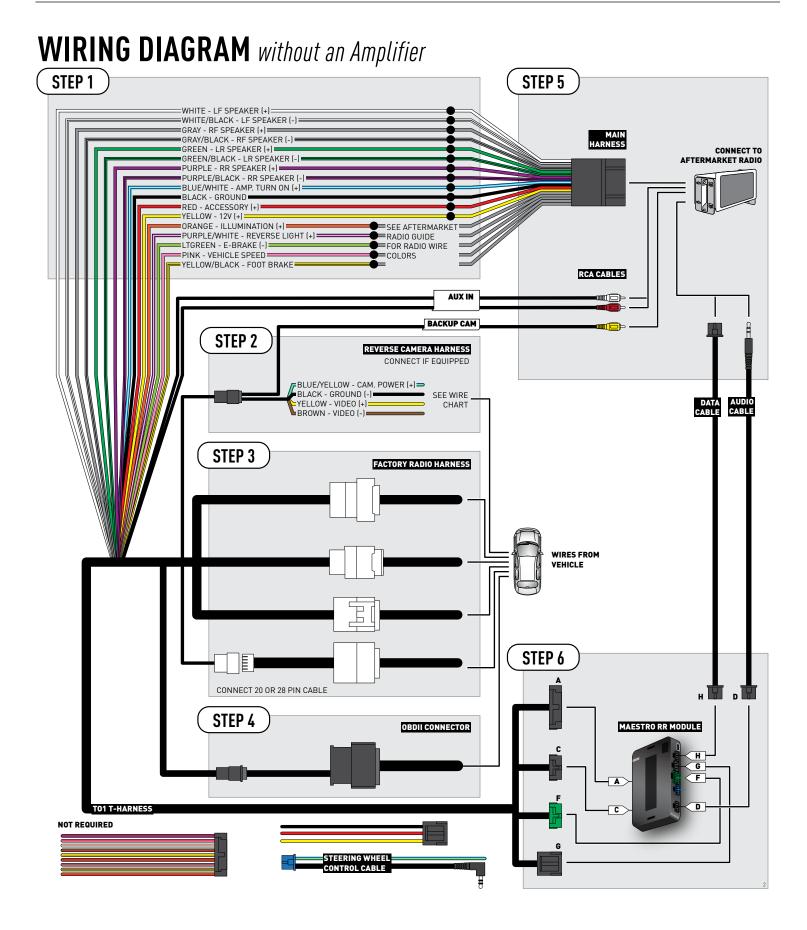
STEP 6

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

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.
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VEHICLE WIRE REFERENCE CHART

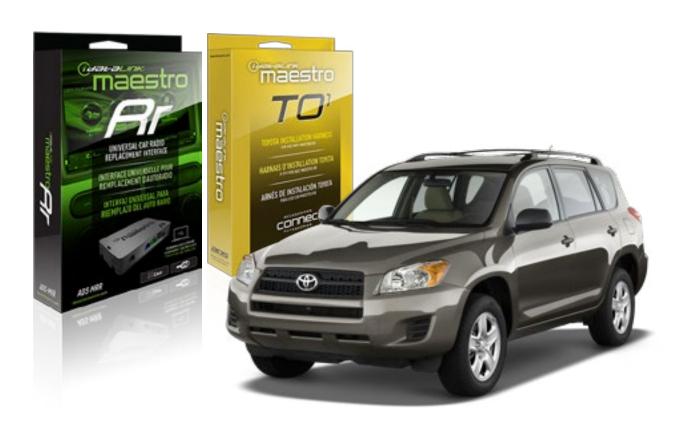
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INSTALL GUIDE

2006-2011 TOYOTA RAV 4 WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

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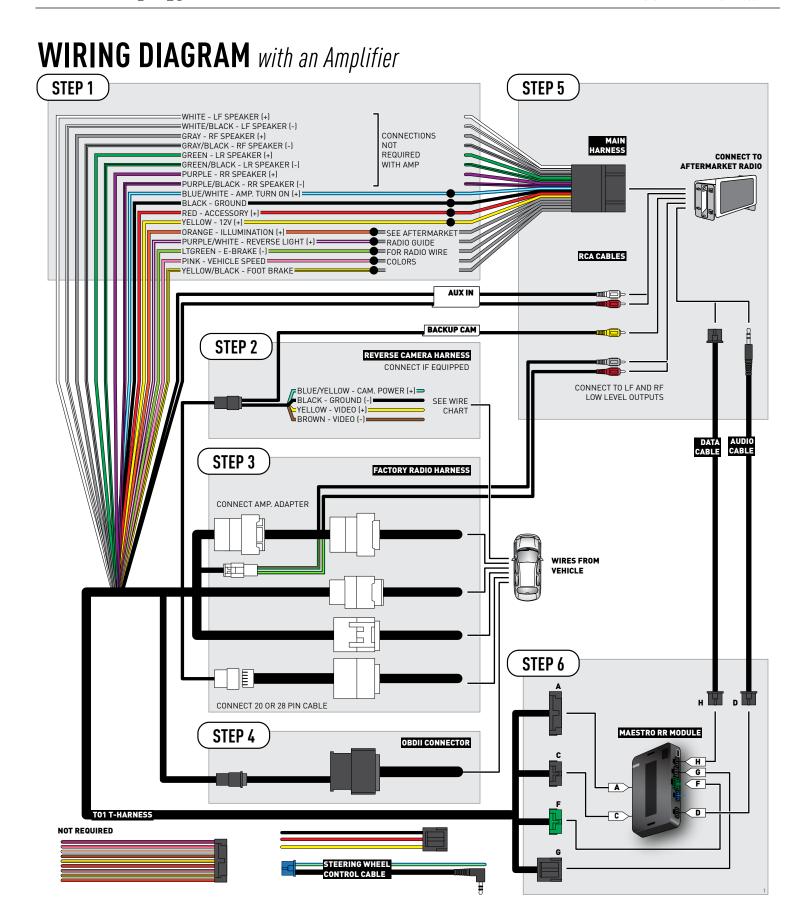
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VEHICLE WIRE REFERENCE CHART

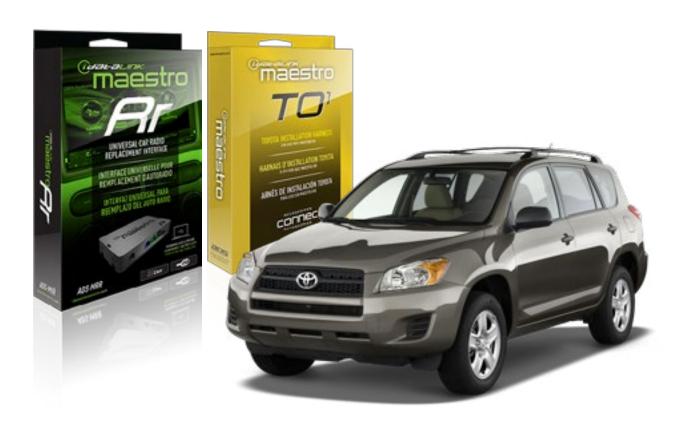
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INSTALL GUIDE

2006-2011 TOYOTA RAV 4 WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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NOTE:

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2008-2013 TOYOTA SEQUOIA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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

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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 REVERSE CAMERA HARNESS CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL

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CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



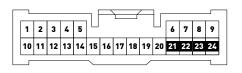
VEHICLE WIRE REFERENCE CHART

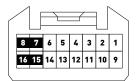
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2008-2013 TOYOTA SEQUOIA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

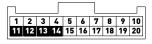
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	[+]	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	[+]	Reverse camera harness
Ground	~	~	20 pin	14	White	[-]	Reverse camera harness
Video +	~	~	20 pin	11	Red	[+]	Reverse camera harness
Video -	~	~	20 pin	12	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)





INSTALL GUIDE

2014-2018 TOYOTA SEQUOIA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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

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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

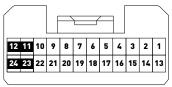
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	[+]	Reverse camera harness
Ground	~	~	24 pin	23	White	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	24	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)





INSTALL GUIDE

2007-2010 TOYOTA SIENNA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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

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WELCOME

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

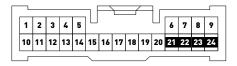
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Black	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

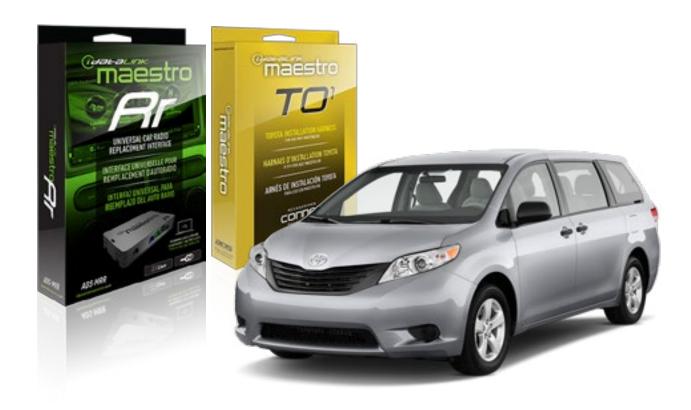




INSTALL GUIDE

2011-2014 TOYOTA SIENNA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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- Plug the Data cable to the data port of the aftermarket radio.
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STEP 6

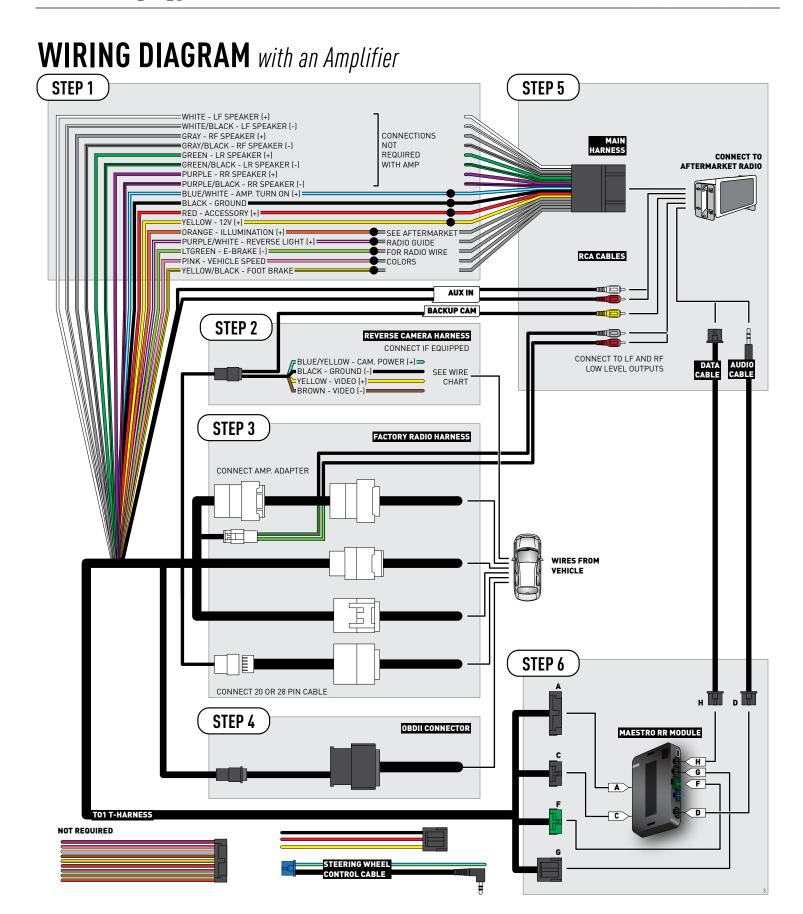
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TROUBLESHOOTING TIPS:

- 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.
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RADIO WIRE REFERENCE CHART

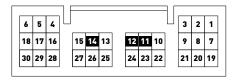
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	[-]	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	30 pin	14	Red	[+]	Parking assist ECU, behind glovebox
Ground	~	~	~	~	~	~	~
Video +	~	~	30 pin	12	Black	[+]	Parking assist ECU, behind glovebox
Video -	~	~	30 pin	11	White	[-]	Parking assist ECU, behind glovebox

PARKING ASSIST CONNECTOR (WIRE SIDE)

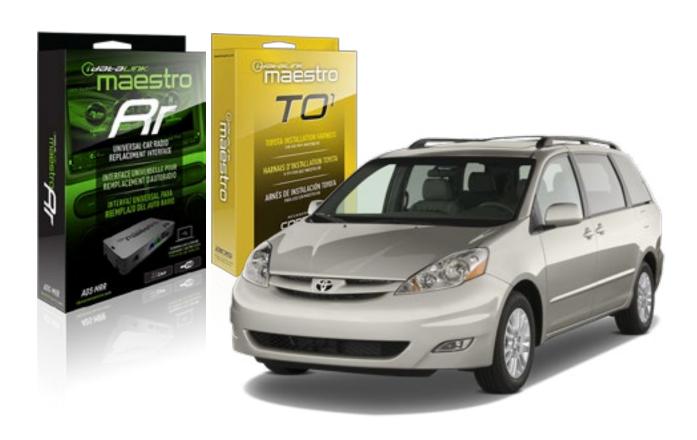




INSTALL GUIDE

2007-2010 TOYOTA SIENNA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

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NEED HELP?



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"

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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

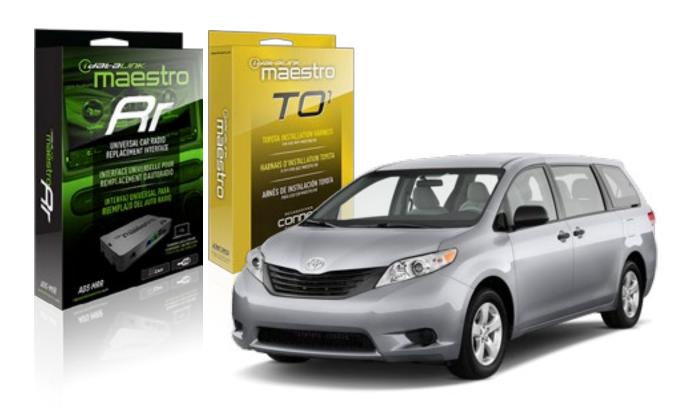
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2011-2014 TOYOTA SIENNA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



Click here for:
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Radar Integration Owner's Guide for Kenwood
and JVC Radios

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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

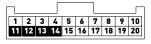
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Red	[+]	Reverse camera harness
Ground	~	~	20 pin	14	Shield	[-]	Reverse camera harness
Video +	~	~	20 pin	11	Black	[+]	Reverse camera harness
Video -	~	~	20 pin	12	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)





INSTALL GUIDE

2005-2011 TOYOTA TACOMA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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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.

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"



WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2012-2013 TOYOTA TACOMA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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 for your vehicle and that you carefully review the install guide.

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

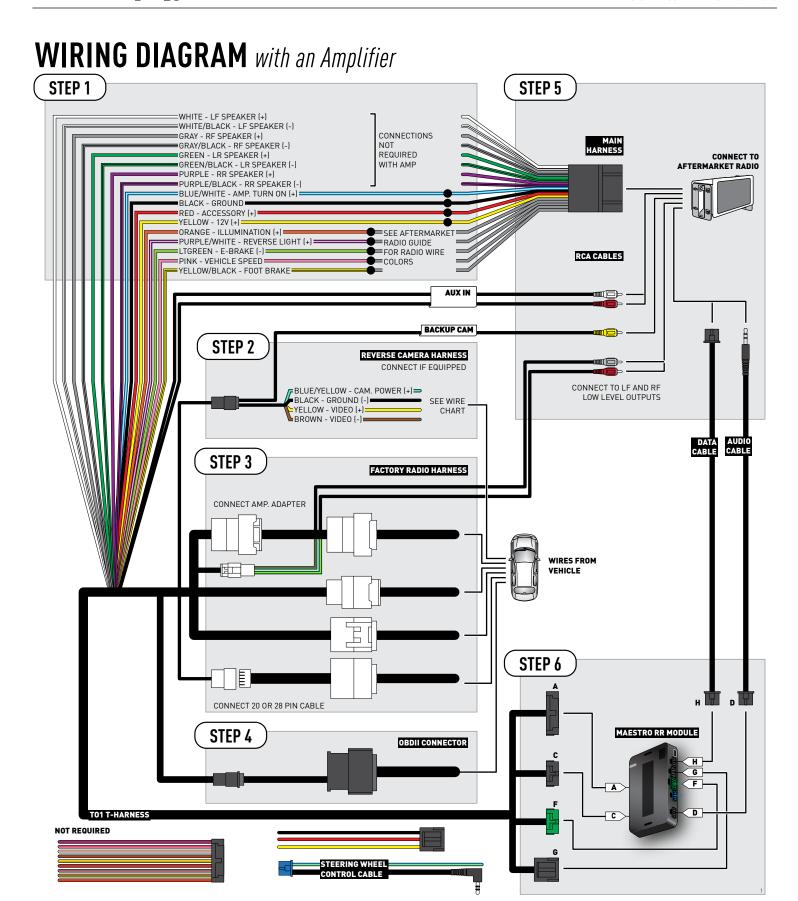
STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"







RADIO WIRE REFERENCE CHART

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



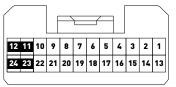
VEHICLE WIRE REFERENCE CHART

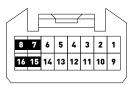
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2014-2015 TOYOTA TACOMA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
Radar Integration Installation Guide
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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 for your vehicle and that you carefully review the install guide.

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TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut RCA wires from amp. adapter and connect them to matching wires of TO1 t-harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

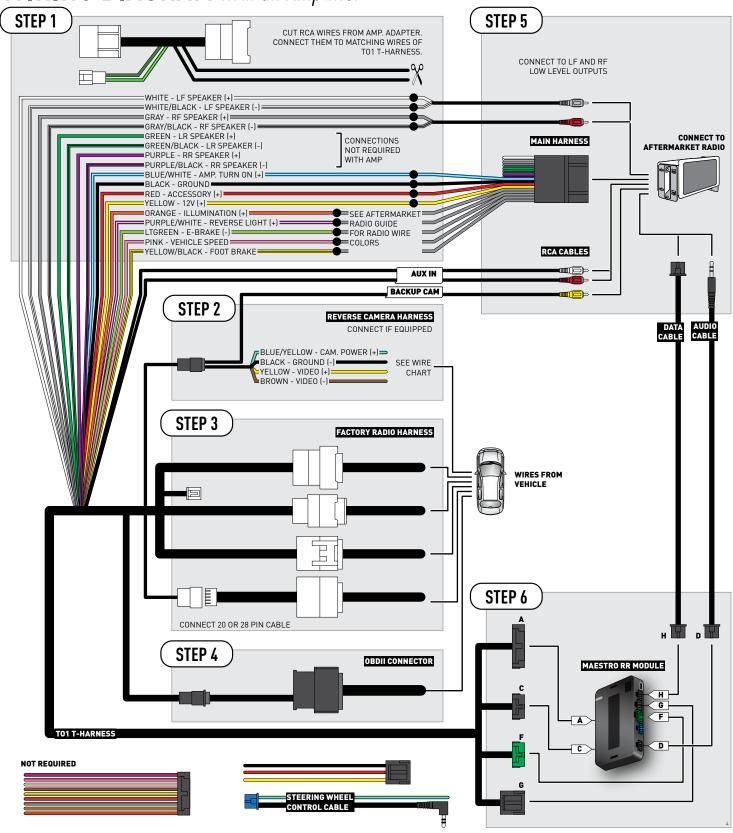
TROUBLESHOOTING TIPS:

- 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.
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WIRING DIAGRAM with an Amplifier



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RADIO WIRE REFERENCE CHART

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



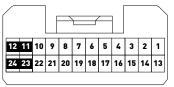
VEHICLE WIRE REFERENCE CHART

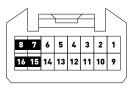
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Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	White	[-]	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2005-2011 TOYOTA TACOMA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2012-2015 TOYOTA TACOMA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

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



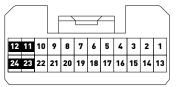
VEHICLE WIRE REFERENCE CHART

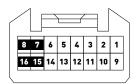
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)







INSTALL GUIDE

2007-2013 TOYOTA TUNDRA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



Click here for:
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Radar Integration Owner's Guide for Kenwood
and JVC Radios

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WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

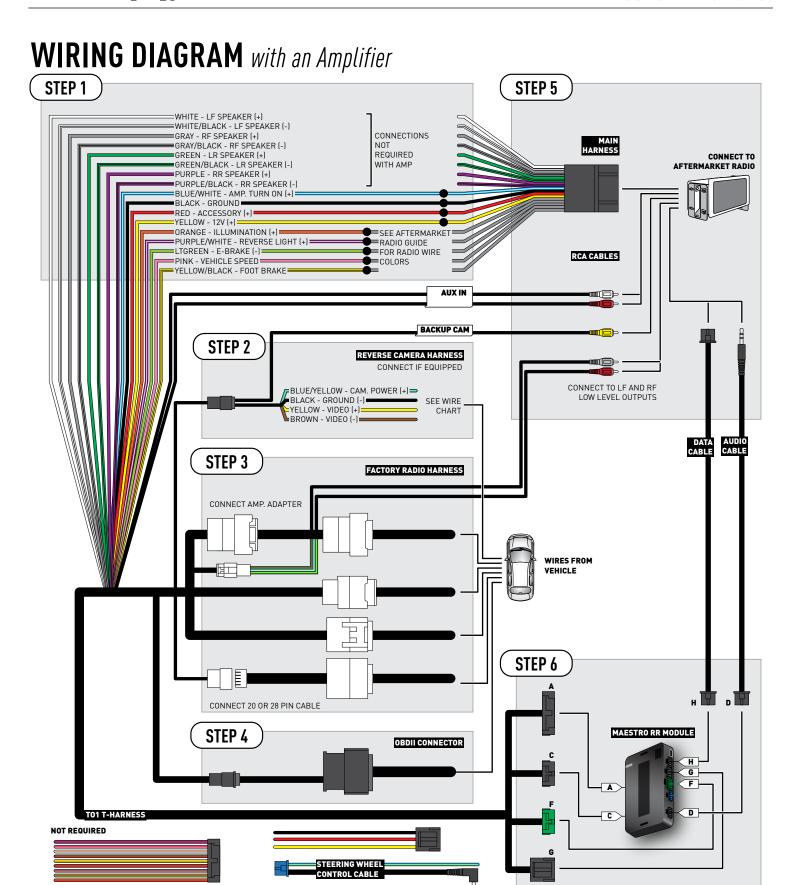
STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"





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RADIO WIRE REFERENCE CHART

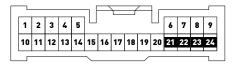
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	22	Red	[+]	Reverse camera harness
Video -	~	~	24 pin	23	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)





INSTALL GUIDE

2007-2013 TOYOTA TUNDRA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

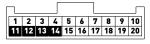
Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	[+]	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White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



VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	[+]	Reverse camera harness
Ground	~	~	20 pin	14	White	[-]	Reverse camera harness
Video +	~	~	20 pin	11	Red	[+]	Reverse camera harness
Video -	~	~	20 pin	12	Shield	[-]	Reverse camera harness

REVERSE CAMERA CONNECTOR (WIRE SIDE)

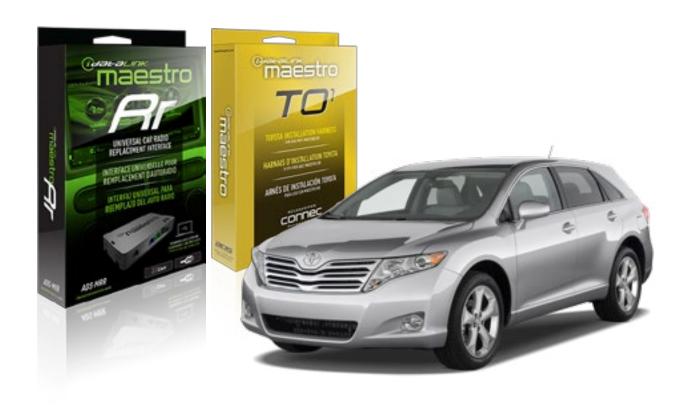




INSTALL GUIDE

2009-2012 TOYOTA VENZA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



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

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WELCOME

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

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

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

TABLE OF CONTENTS Installation Instructions Wiring Diagram Radio Wire Reference Chart Vehicle Wire Reference Chart

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables 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.

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED

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STEERING WHEEL CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



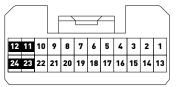
VEHICLE WIRE REFERENCE CHART

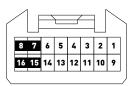
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



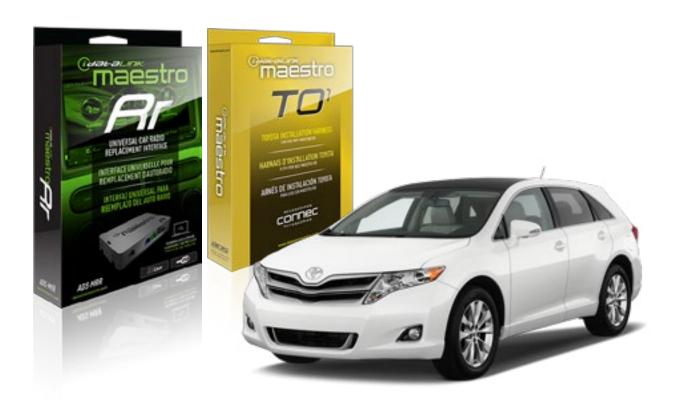




INSTALL GUIDE

2013-2014 TOYOTA VENZA WITH JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
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WELCOME

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

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

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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 TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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WIRING DIAGRAM with an Amplifier STEP 1 STEP 5 WHITE - LF SPEAKER (+) ■WHITE/BLACK - LF SPEAKER (-) ■GRAY - RF SPEAKER (+) CONNECTIONS ■GRAY/BLACK - RF SPEAKER (-) ■GREEN - LR SPEAKER (+) ■GREEN/BLACK - LR SPEAKER (-) NOT REQUIRED CONNECT TO WITH AMP AFTERMARKET RADIO PURPLE - RR SPEAKER (+) ■PURPLE/BLACK - RR SPEAKER (-) ■BLUE/WHITE - AMP. TURN ON (+) BLACK - GROUND RED - ACCESSORY (+) SEE AFTERMARKET PURPLE/WHITE - REVERSE LIGHT (+) =RADIO GUIDE =LTGREEN - E-BRAKE (-)= FOR RADIO WIRE RCA CABLES ■PINK - VEHICLE SPEED ■ ■YELLOW/BLACK - FOOT BRAKE =COLORS **AUX IN** STEP 2 **REVERSE CAMERA HARNESS** CONNECT IF EQUIPPED CONNECT TO LF AND RF BLUE/YELLOW - CAM. POWER (+)= LOW LEVEL OUTPUTS BLACK - GROUND (-) YELLOW - VIDEO (+) BROWN - VIDEO (-) SEE WIRE STEP 3 FACTORY RADIO HARNESS CONNECT AMP. ADAPTER WIRES FROM VEHICLE STEP 6 CONNECT 20 OR 28 PIN CABLE MAESTRO RR MODULE STEP 4 OBDII CONNECTOR NOT REQUIRED STEERING WHEEL

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CONTROL CABLE



RADIO WIRE REFERENCE CHART

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



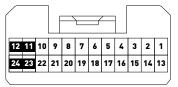
VEHICLE WIRE REFERENCE CHART

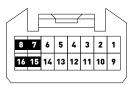
Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	[-]	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	[-]	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	[+]	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	[+]	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

REVERSE CAMERA CONNECTORS (WIRE SIDE)



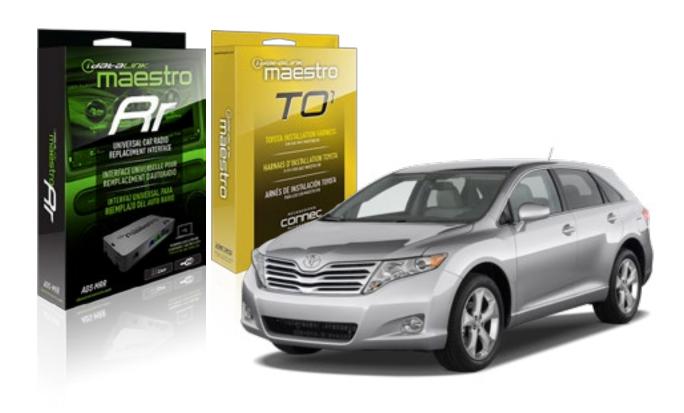




INSTALL GUIDE

2009-2012 TOYOTA VENZA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

OPTIONAL ACCESSORIES



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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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 "maestro.support@idatalink.com". Visit us at "maestro. idatalink.com/support" and "www.12voltdata.com/forum/"

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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

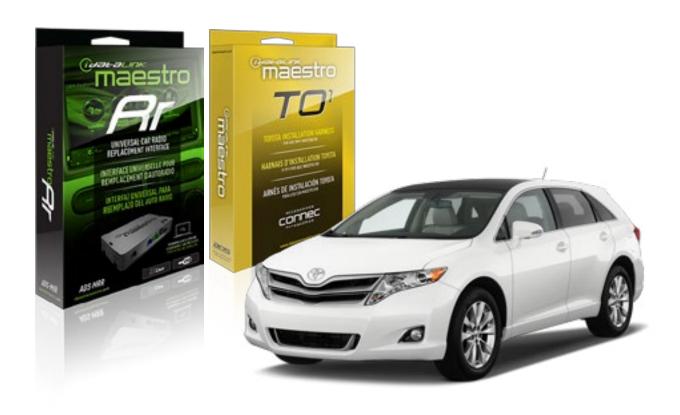
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2013-2014 TOYOTA VENZA WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
Radar Integration Installation Guide
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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 for your vehicle and that you carefully review the install guide.

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

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• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

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 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

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

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.
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RADIO WIRE REFERENCE CHART

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



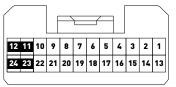
VEHICLE WIRE REFERENCE CHART

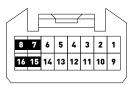
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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REVERSE CAMERA CONNECTORS (WIRE SIDE)



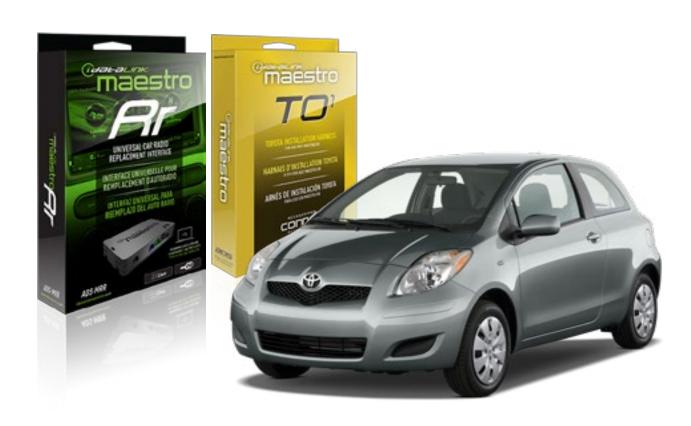




INSTALL GUIDE

2007-2011 TOYOTA YARIS

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

OPTIONAL ACCESSORIES



Click here for:
Radar Integration Installation Guide
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WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the TO1 T-harness and match the wire functions.
- · Remove the factory radio.

STEP 2

• If the vehicle is equipped with an OEM backup camera, connect the TO1 T-harness to the backup camera harness (see wire chart for details).

STEP 3

 Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

STEP 4

• Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

STEP 6

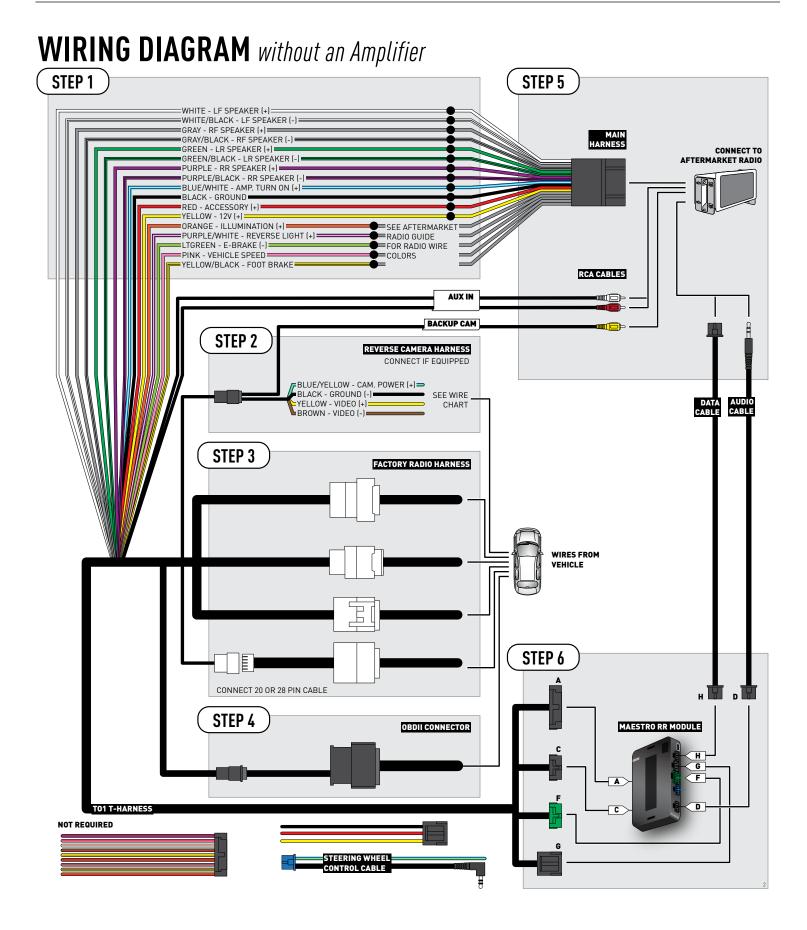
• Connect all the harnesses to the Maestro RR module then test your installation.

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.
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RADIO WIRE REFERENCE CHART

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



VEHICLE WIRE REFERENCE CHART

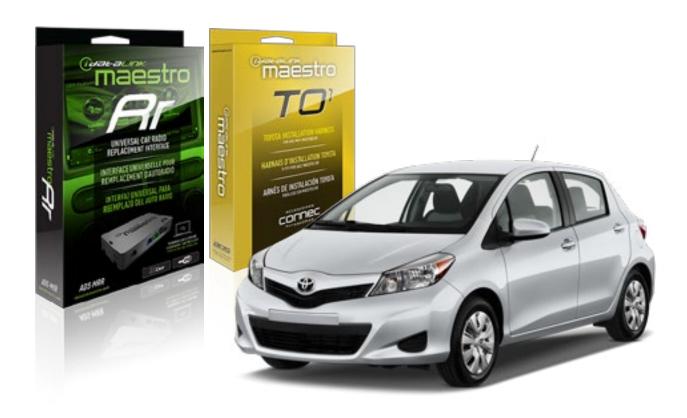
REVERSE CAMERA NOT AVAILABLE / NOT PRESENT



INSTALL GUIDE

2012-2018 TOYOTA YARIS

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro TO1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-T0Y01-DS

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



VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT