



HOW TO USE THIS INSTALL GUIDE

- 1** Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
- 2** Print only the pages for your vehicle using the advanced options in the Print menu.
- 3** Install your Maestro SR 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.

2008-2020

FORD ECONOLINE
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

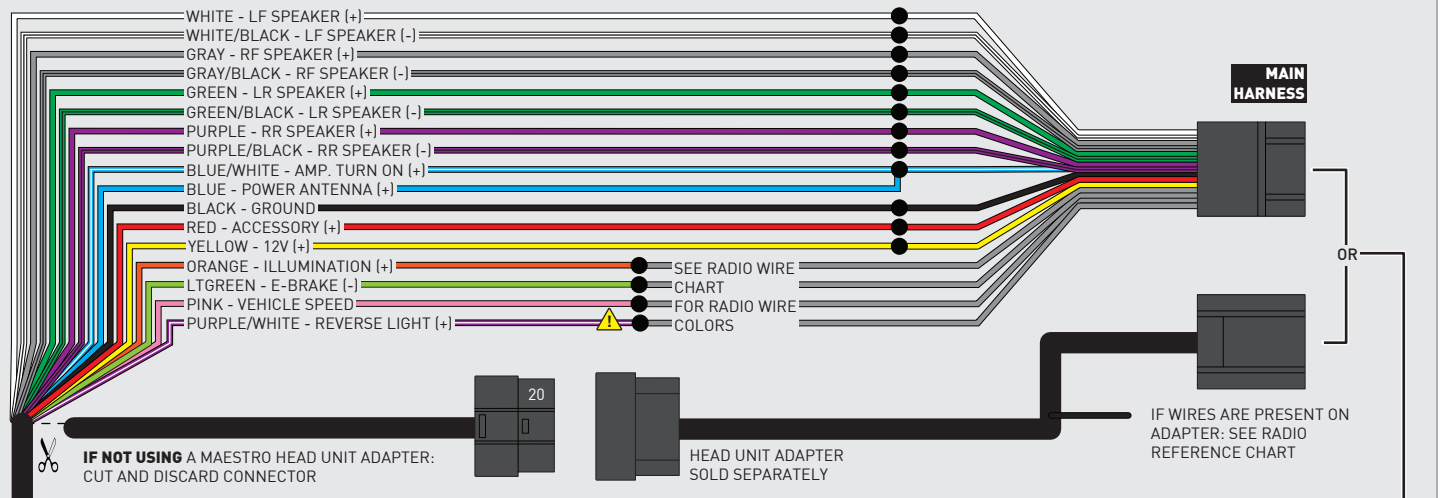
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

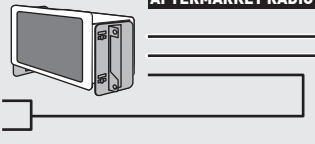
WIRING DIAGRAM

STEP 1



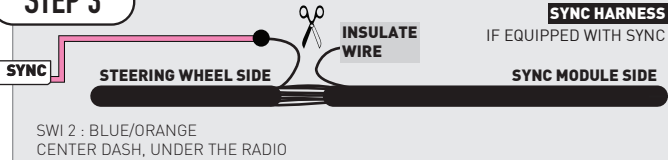
STEP 2

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

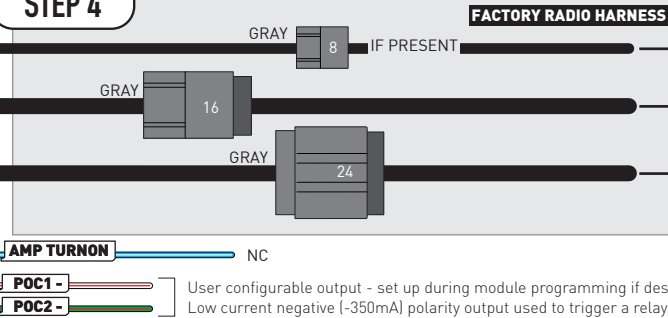


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
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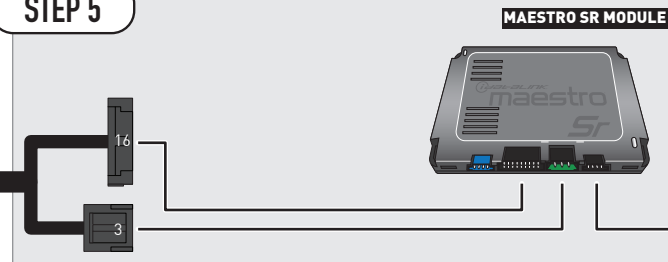
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

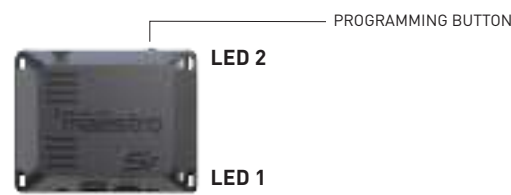
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
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ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

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

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WITH FACTORY AMPLIFIER:

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Vehicles equipped with SYNC:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

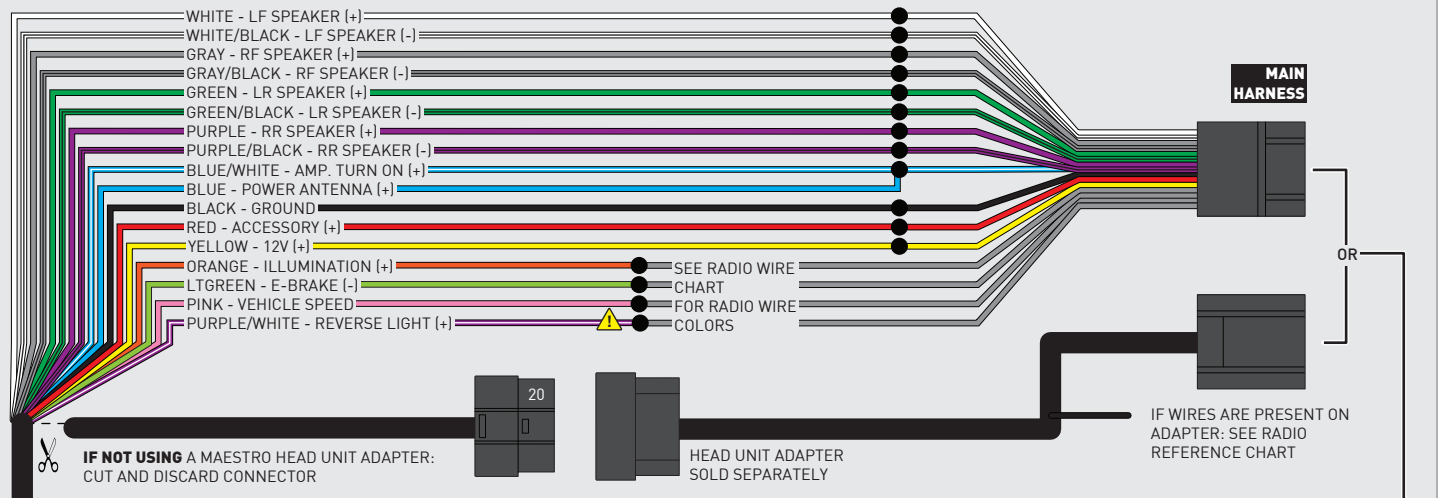
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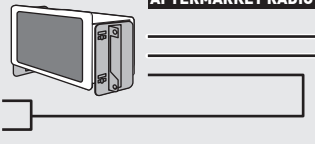
WIRING DIAGRAM

STEP 1

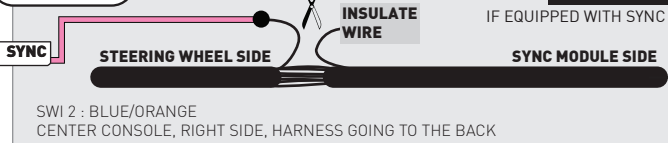


STEP 2

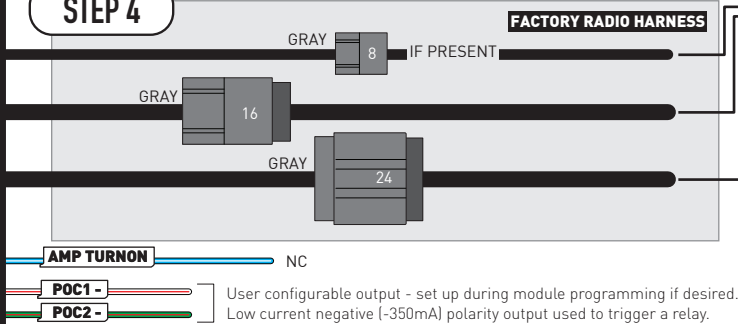
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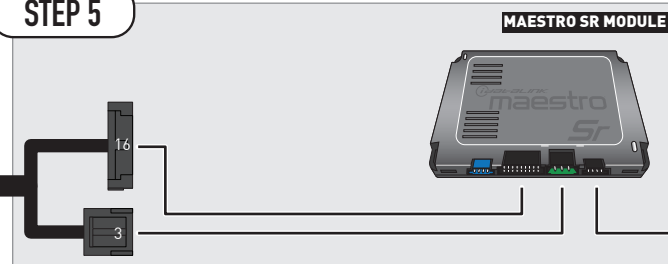
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

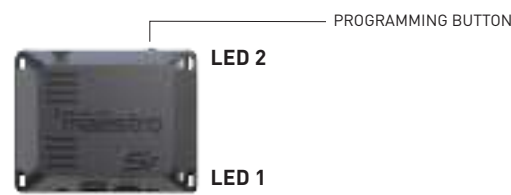
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MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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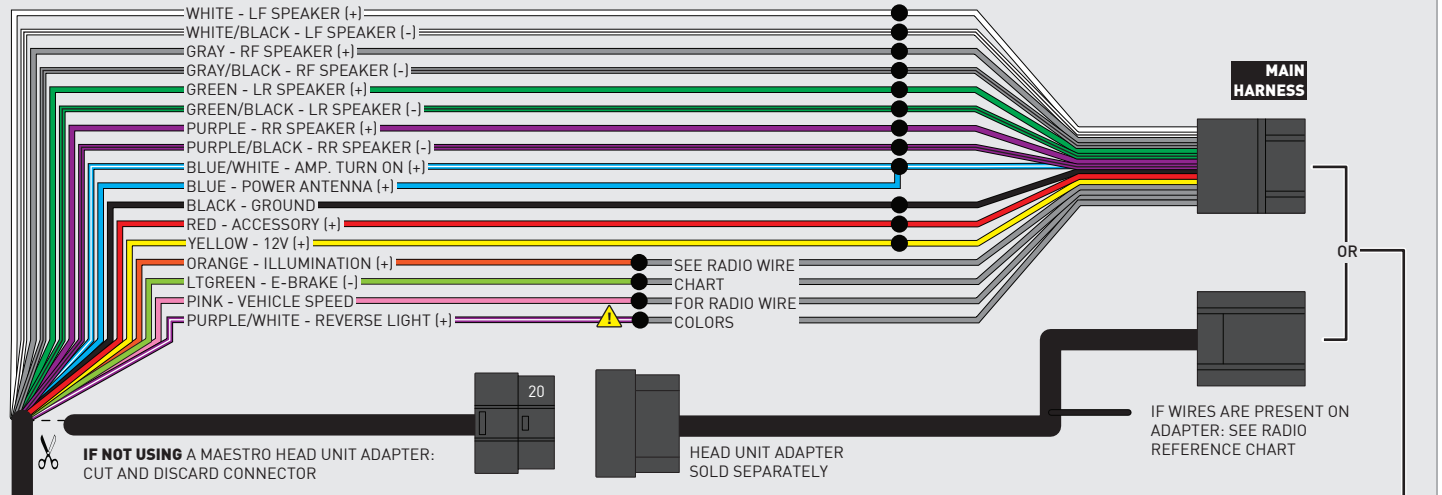
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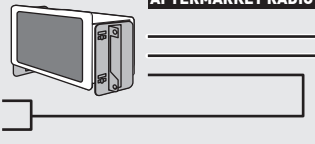
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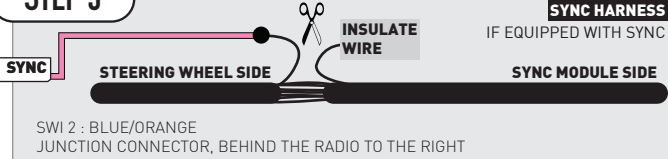
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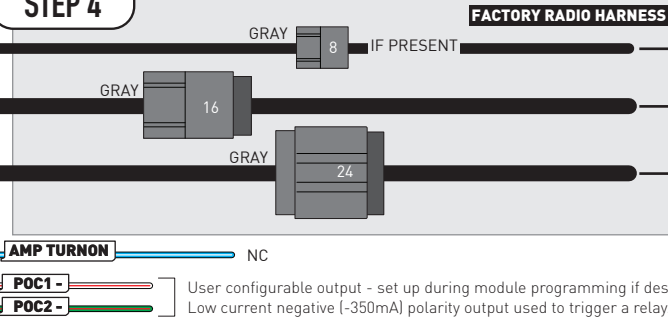


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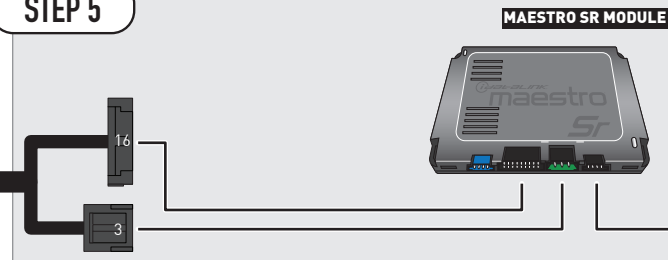
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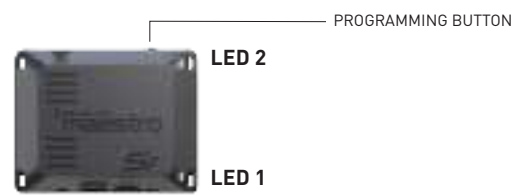
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2007-2014

FORD EXPEDITION
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

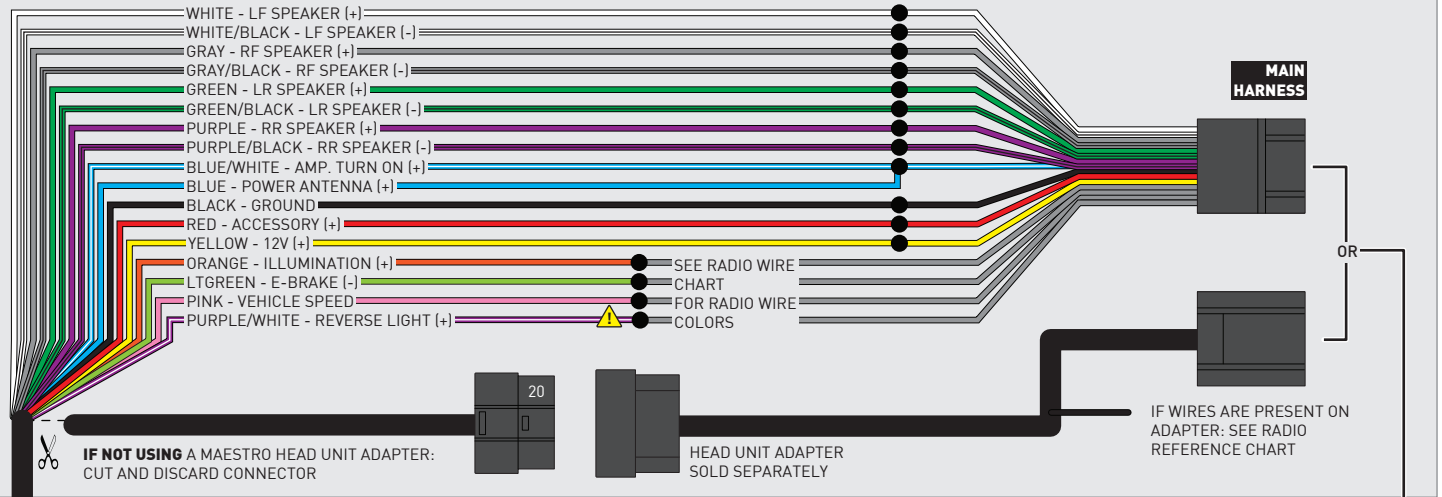
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

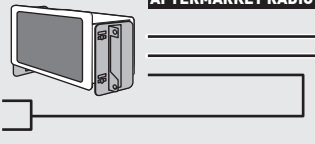
WIRING DIAGRAM

STEP 1

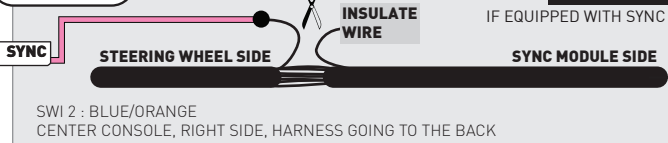


STEP 2

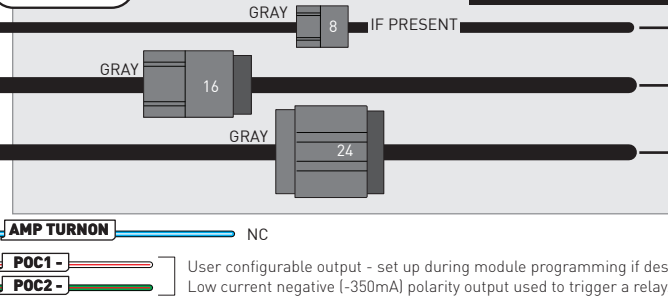
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



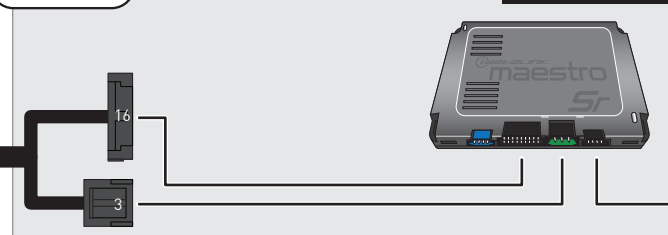
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

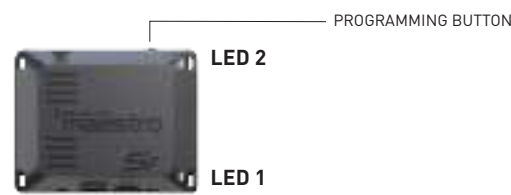
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

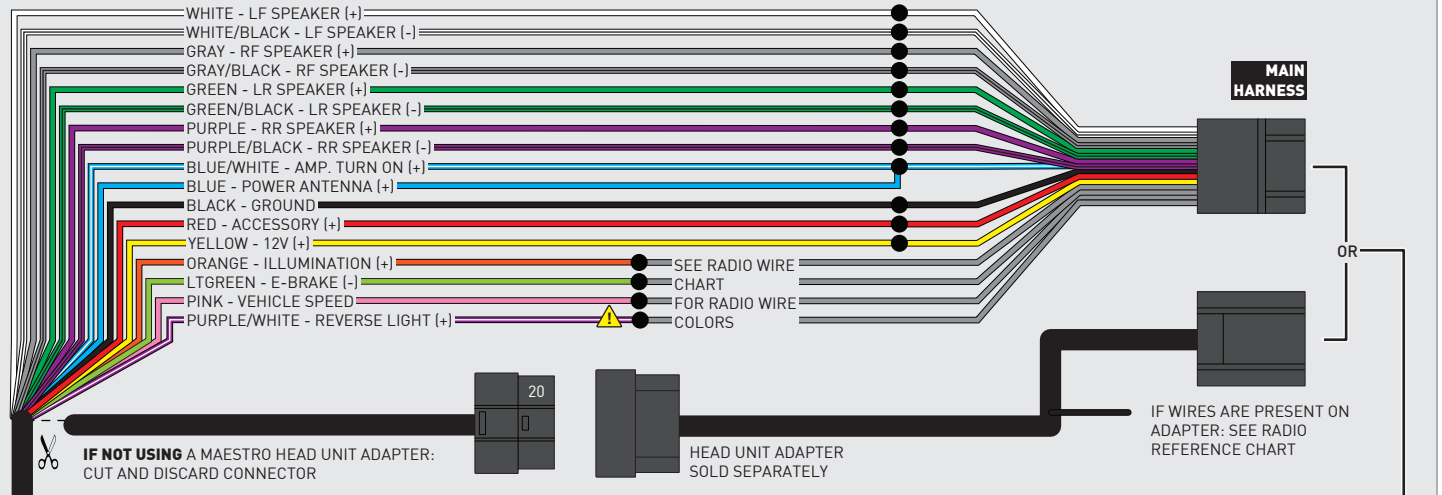
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

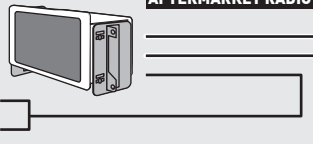
WIRING DIAGRAM

STEP 1

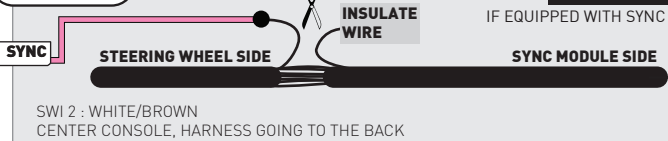


STEP 2

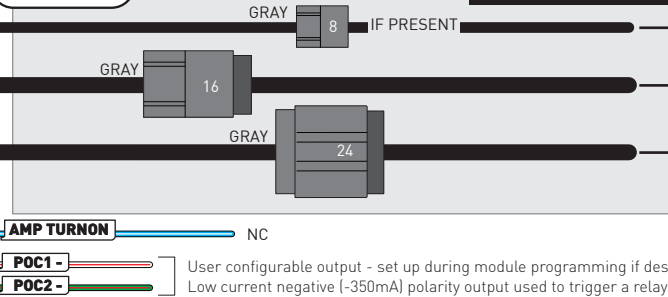
PIONEER RADIO: ENSURE THAT
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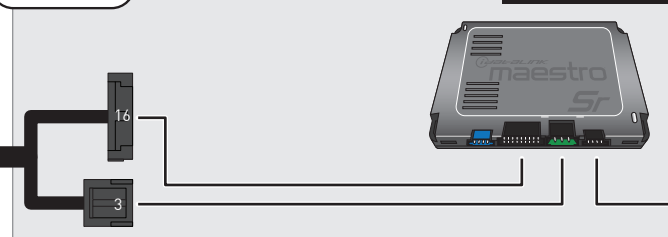
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

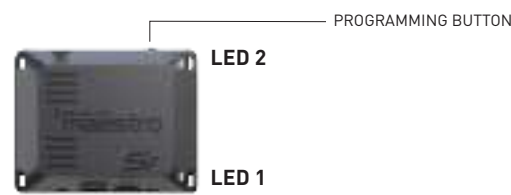
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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2006-2010

FORD EXPLORER
WITHOUT FACTORY NAV

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+



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ADAPTER READY**

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NEED HELP?

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

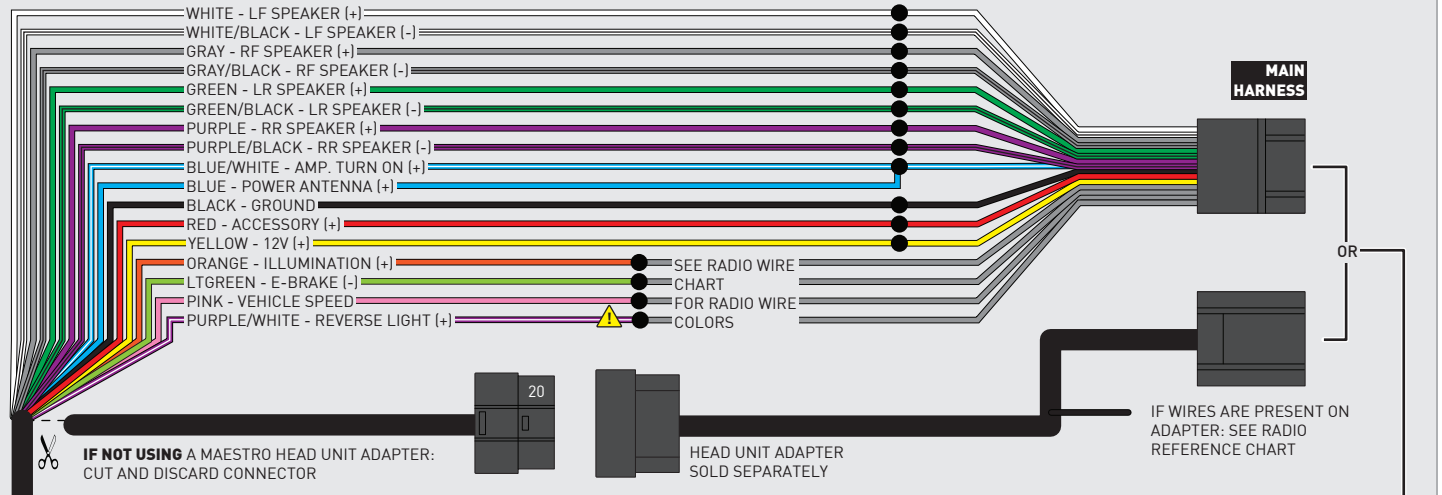
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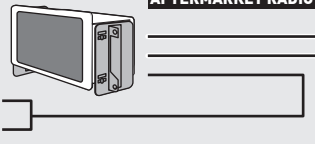
WIRING DIAGRAM

STEP 1

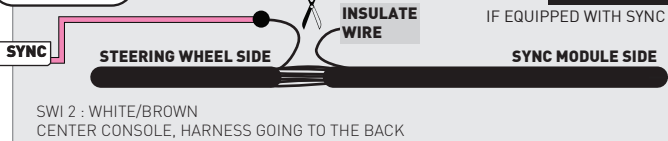


STEP 2

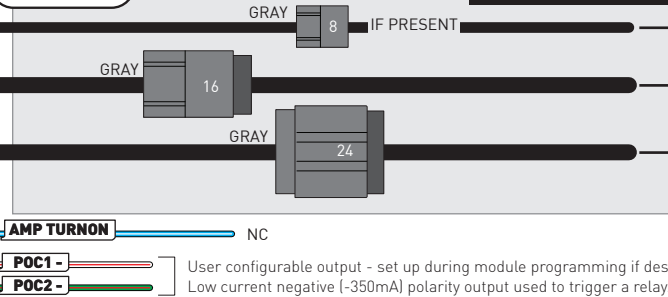
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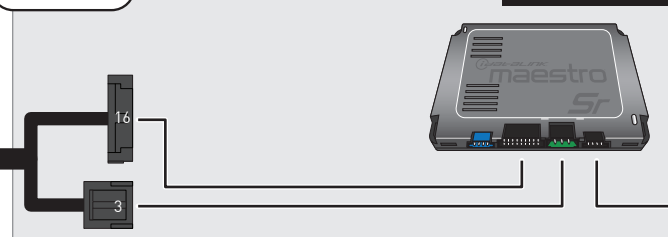
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

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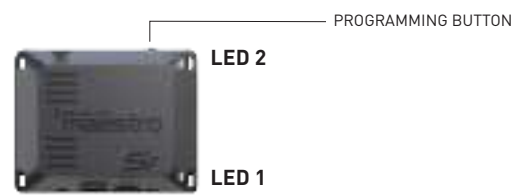
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Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2013-2016

FORD F-250 350 450

WITHOUT 8 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

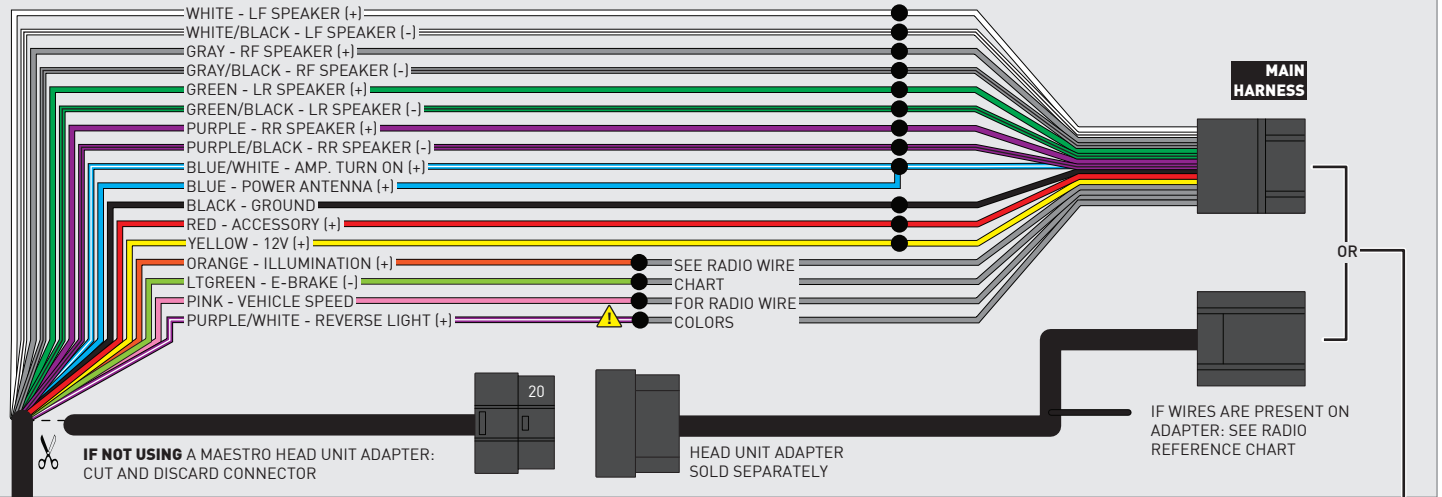
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

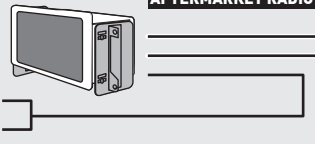
WIRING DIAGRAM

STEP 1



STEP 2

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

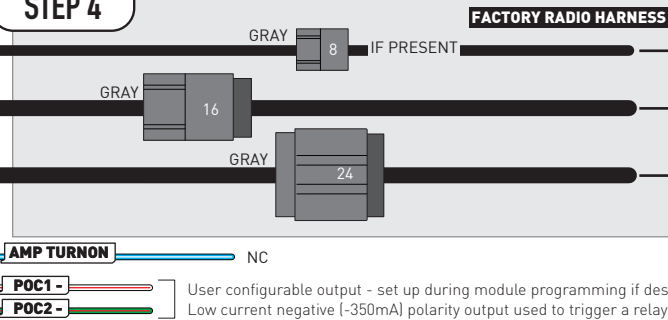


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

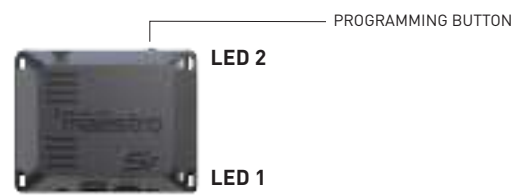
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
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		OFF	Normal operation (inactive).

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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

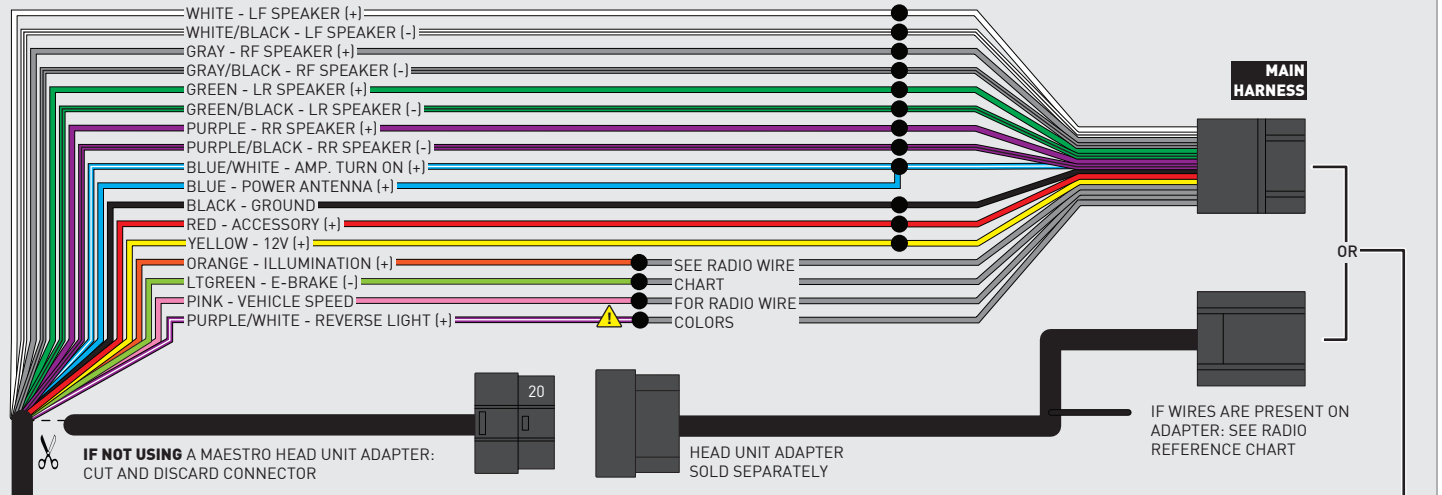
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

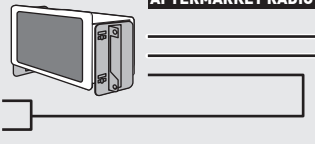
WIRING DIAGRAM

STEP 1



STEP 2

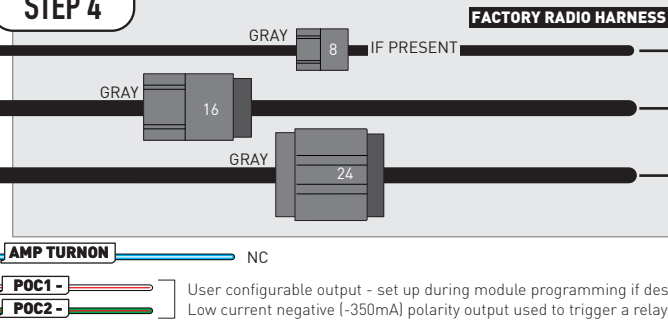
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



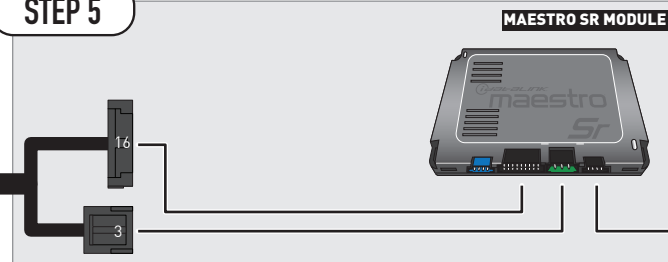
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

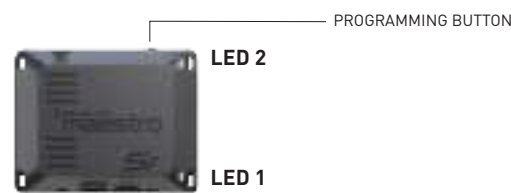
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2013-2014

FORD F150

WITHOUT MYFORD OR MYFORD TOUCH

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

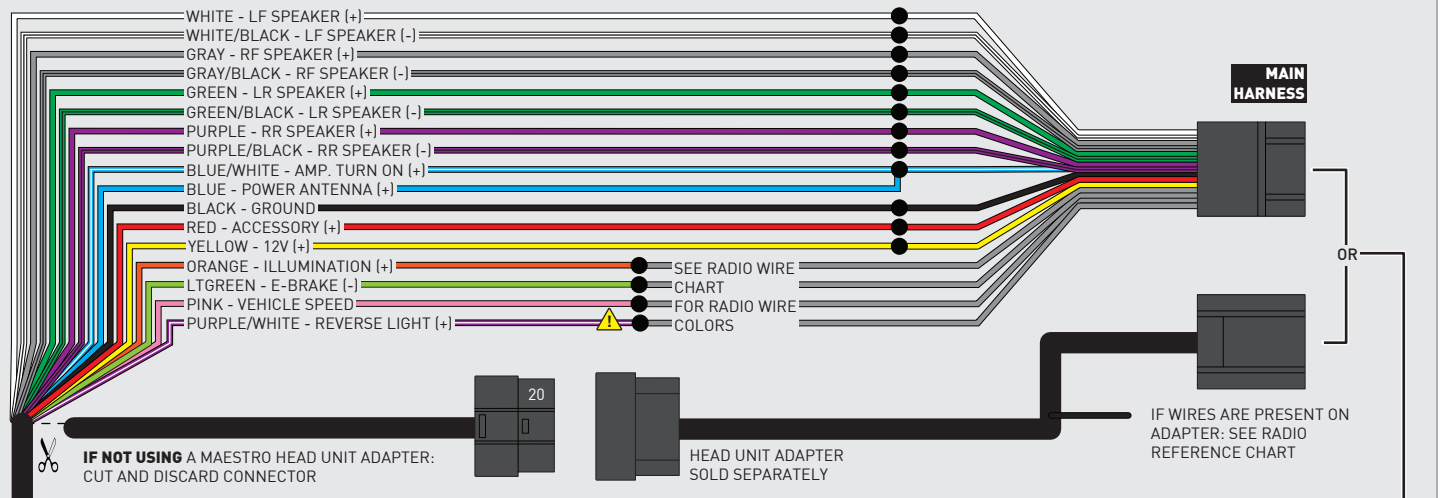
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

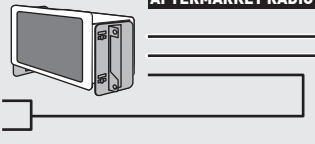
WIRING DIAGRAM

STEP 1



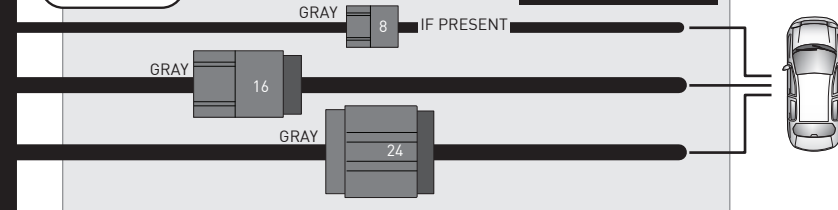
STEP 2

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



STEP 3

FACTORY RADIO HARNESS



SYNC

NC

AMP TURNON

NC

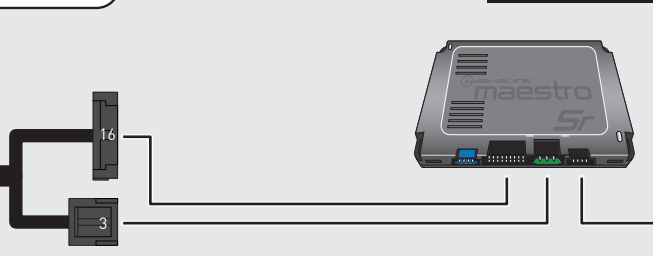
POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative [-350mA] polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

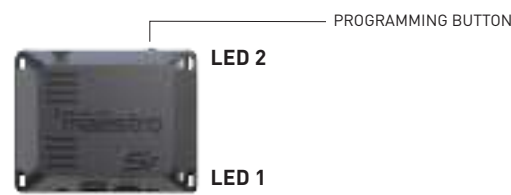
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2009-2012

FORD F150

WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

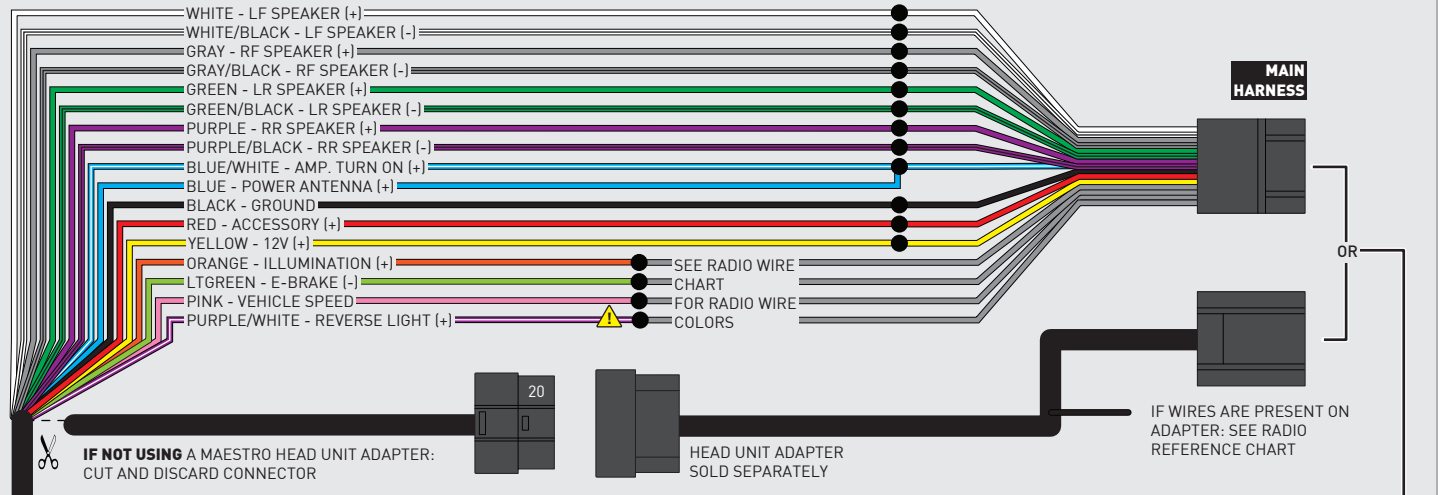
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

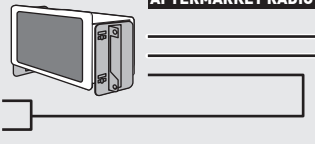
WIRING DIAGRAM

STEP 1

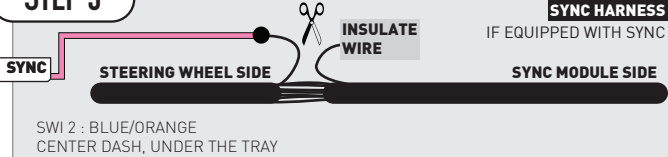


STEP 2

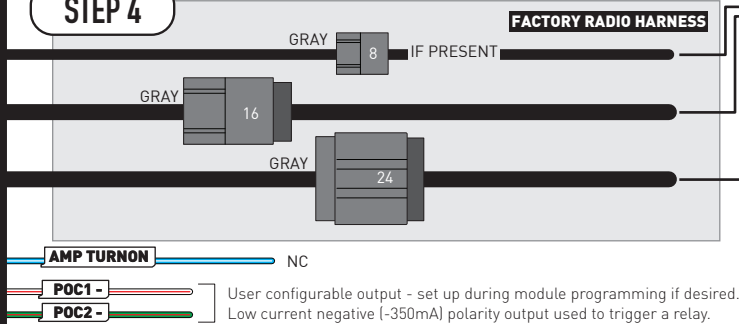
PIONEER RADIO: ENSURE THAT
NOTHING IS PLUGGED IN W/R PORT.



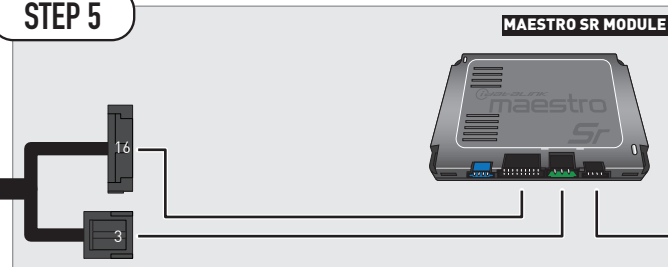
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

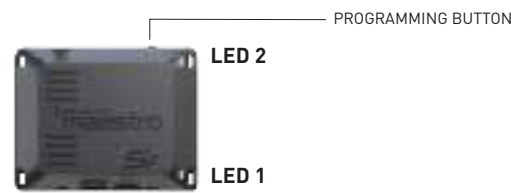
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

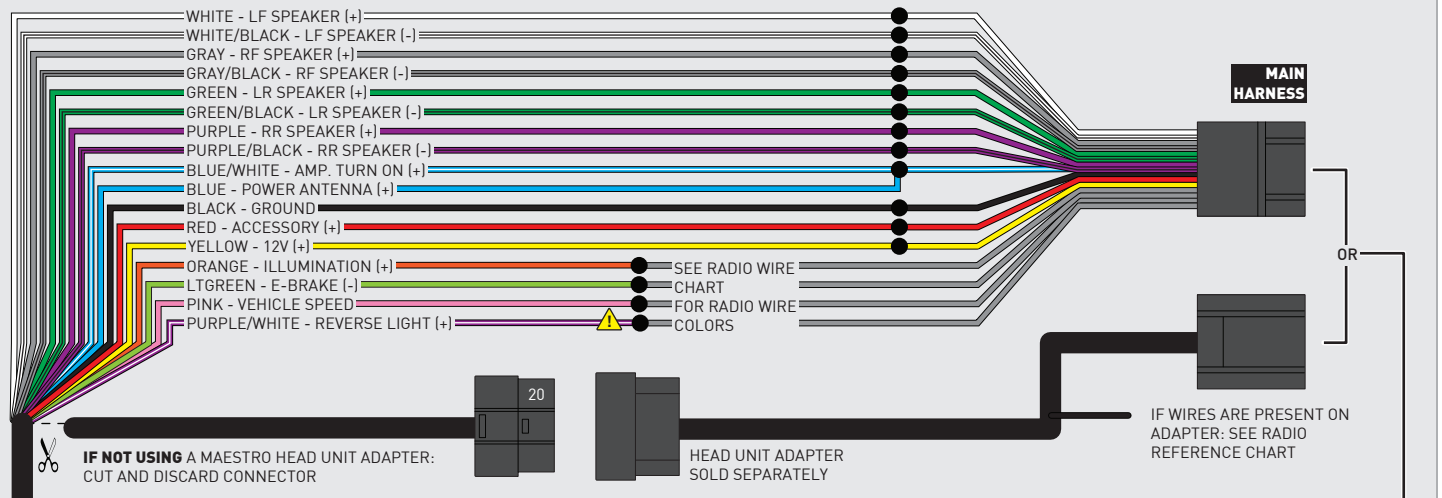
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

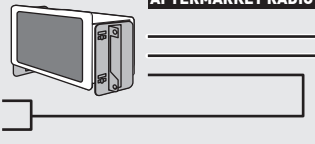
WIRING DIAGRAM

STEP 1



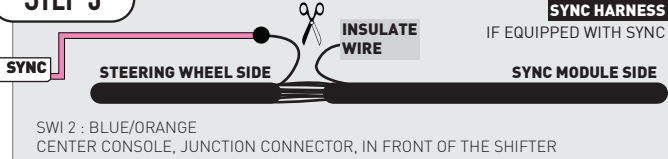
STEP 2

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

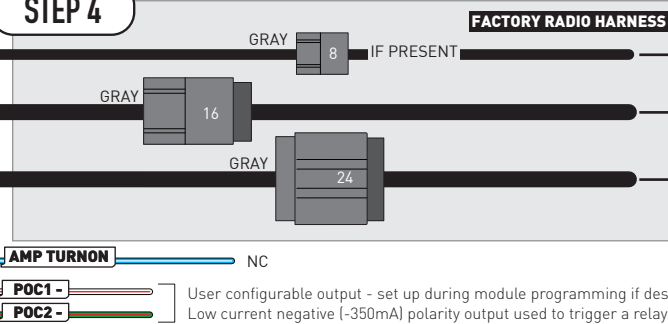


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

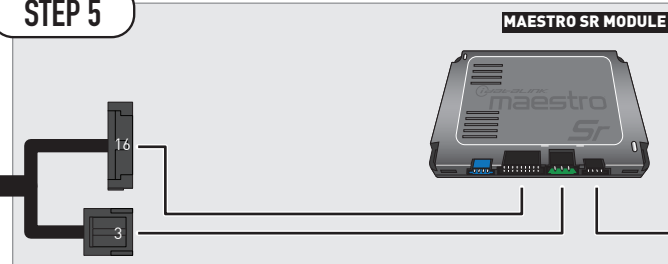
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

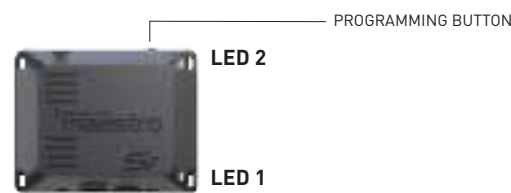
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO SR RESET PROCEDURE:

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[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

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STEP 2

- Plug the harnesses into the aftermarket radio.
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- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

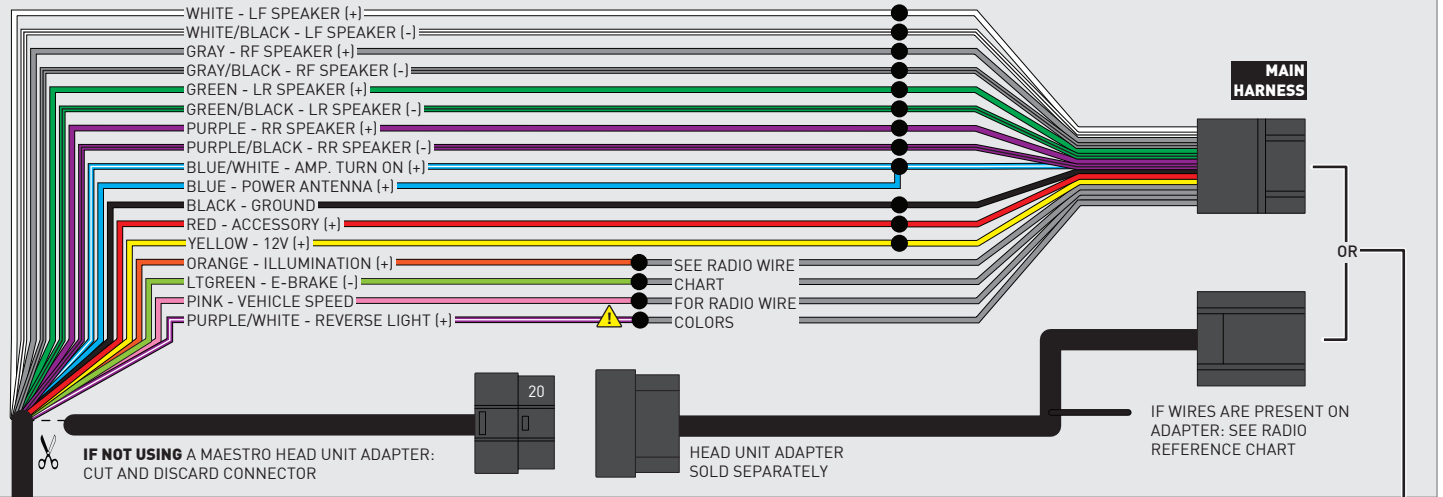
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Test your installation.

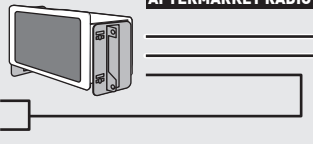
WIRING DIAGRAM

STEP 1

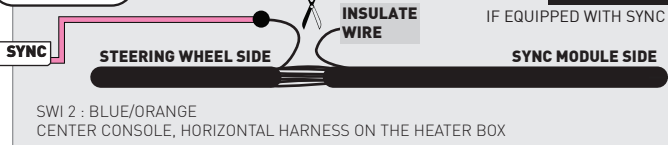


STEP 2

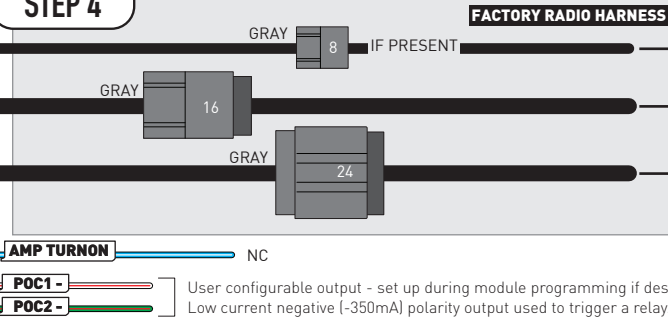
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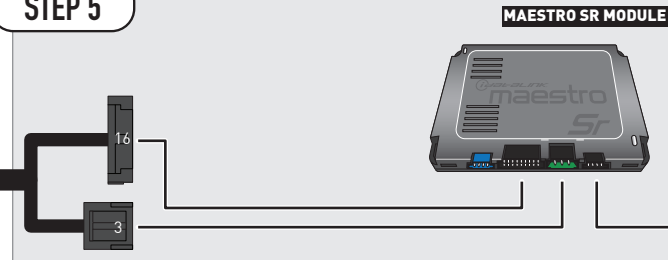
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STEP 4



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RADIO WIRE REFERENCE CHART

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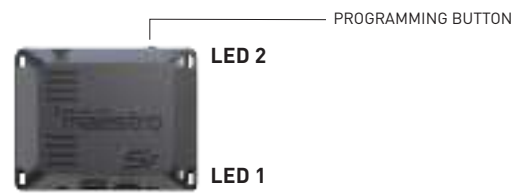
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Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

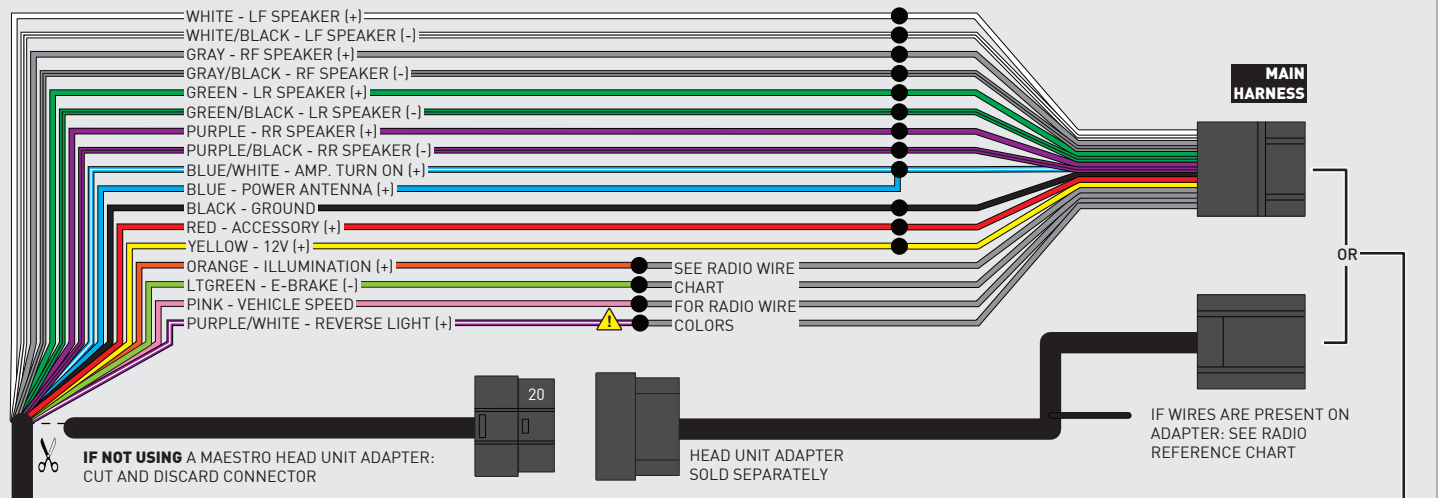
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

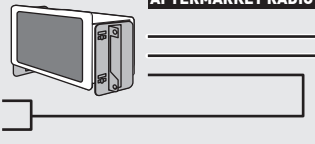
WIRING DIAGRAM

STEP 1



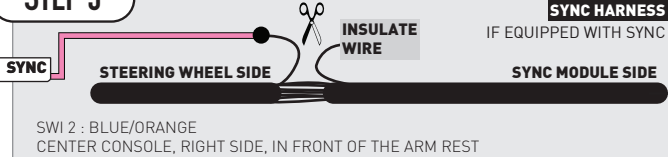
STEP 2

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

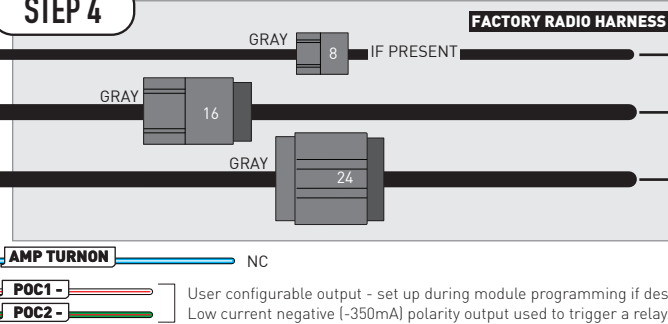


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

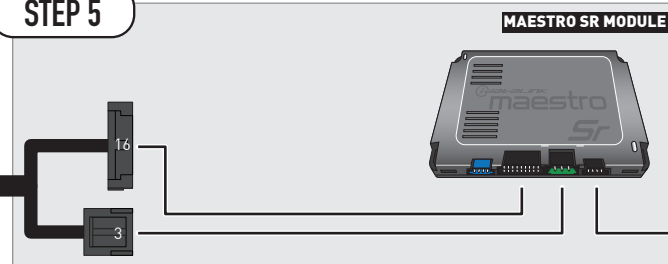
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

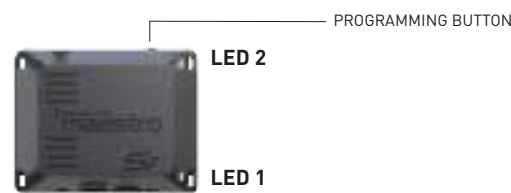
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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MAESTRO SR RESET PROCEDURE:

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

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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ADAPTER READY**

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PROGRAMMED FIRMWARE: F01-SR-DS

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NEED HELP?

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



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- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

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If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

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STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

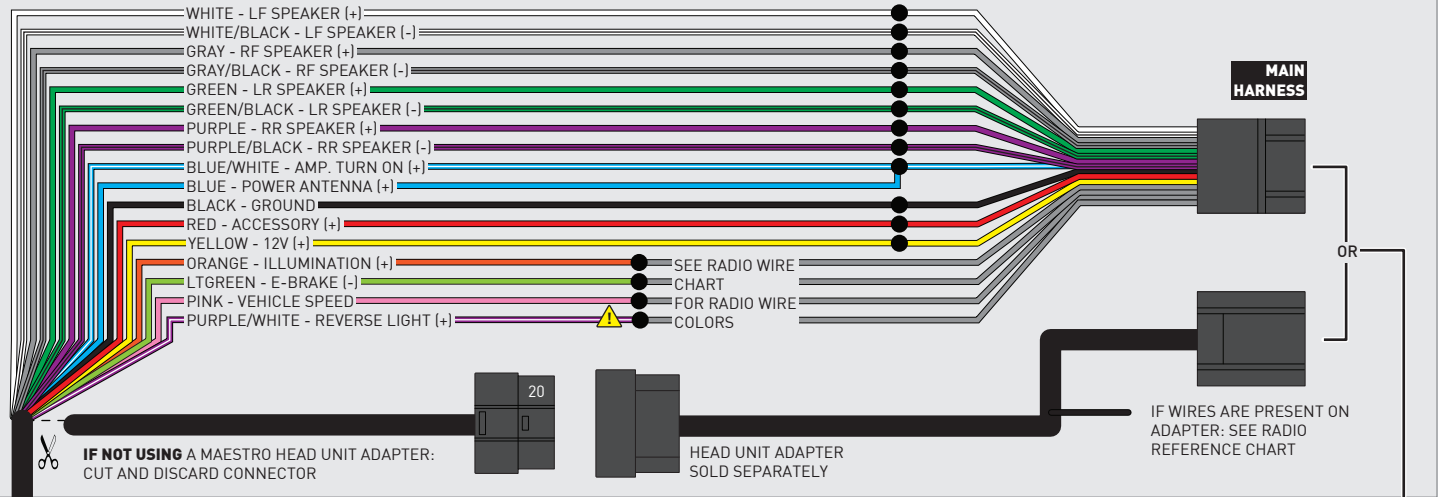
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

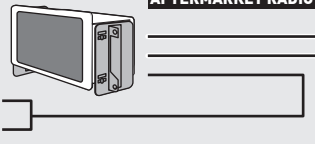
WIRING DIAGRAM

STEP 1

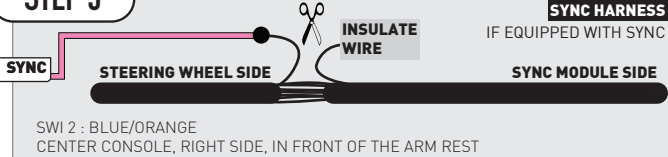


STEP 2

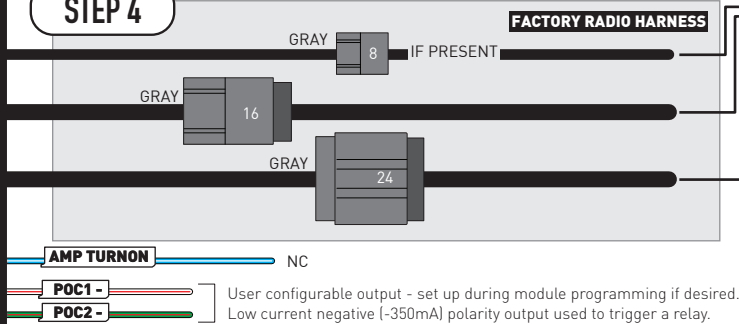
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



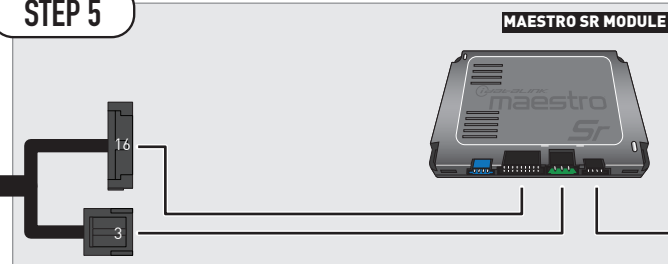
STEP 3



STEP 4



STEP 5



NOT REQUIRED



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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

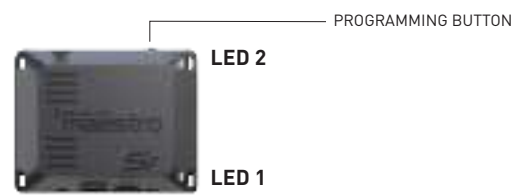
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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TROUBLESHOOTING TABLE

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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Installation, product information, vehicle specific videos.

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

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INSTALLATION INSTRUCTIONS P1/1

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If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

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WITH FACTORY AMPLIFIER:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

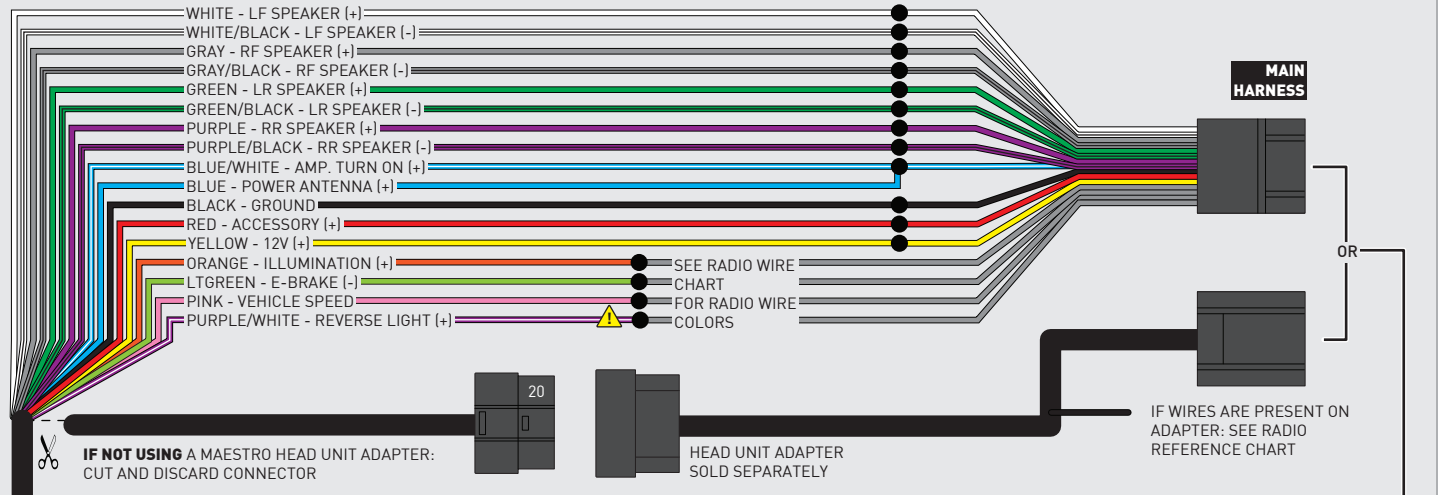
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Test your installation.

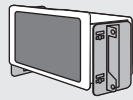
WIRING DIAGRAM

STEP 1



STEP 2

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



AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

SYNC

STEERING WHEEL SIDE

INSULATE WIRE

SYNC HARNESS

IF EQUIPPED WITH SYNC

SYNC MODULE SIDE

SWI 2 : BLUE/ORANGE OR BLUE SYNC UNIT, BEHIND THE GLOVE BOX

STEP 4

FACTORY RADIO HARNESS

GRAY 16

GRAY 24

GRAY NC

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



16

3

NOT REQUIRED



RADIO WIRE REFERENCE CHART

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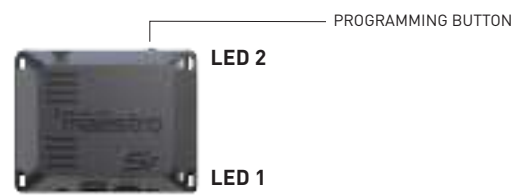
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ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

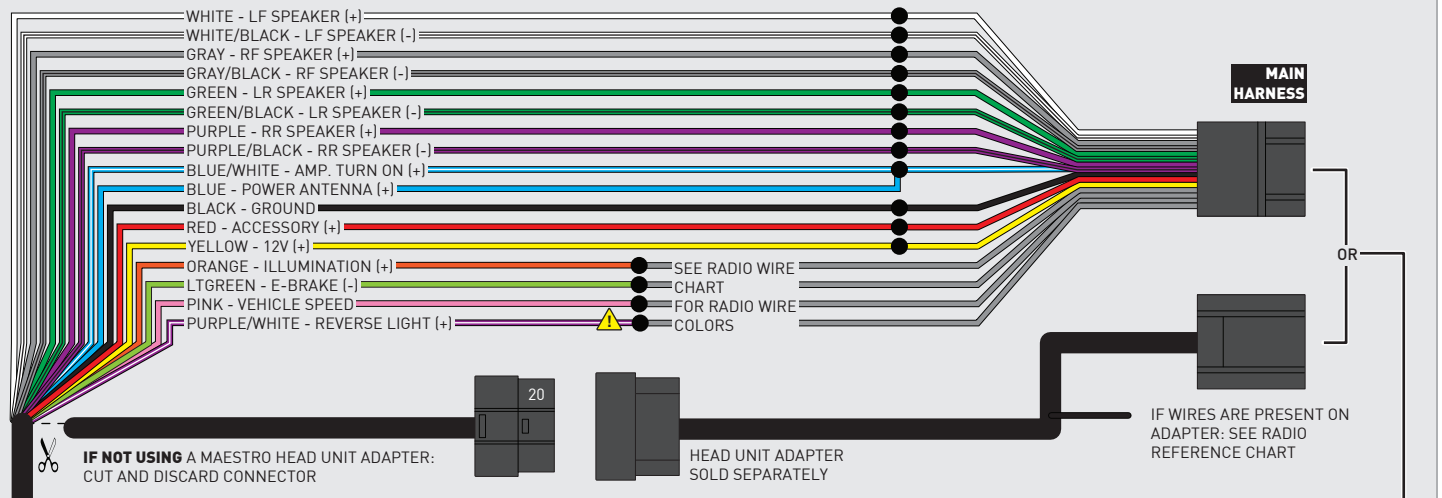
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

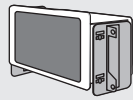
WIRING DIAGRAM

STEP 1



STEP 2

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



AFTERMARKET RADIO

STEP 3

SWI 2 : BLUE/ORANGE OR BLUE SYNC UNIT, BEHIND THE GLOVE BOX

STEERING WHEEL SIDE

INSULATE WIRE

SYNC HARNESS IF EQUIPPED WITH SYNC

SYNC MODULE SIDE

DATA CABLE

STEP 4

FACTORY RADIO HARNESS

GRAY 16

GRAY 24

GRAY NC

AMP TURNON

NC

POC1 -

POC2 -

User configurable output - set up during module programming if desired.
Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5

MAESTRO SR MODULE



16

3

NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

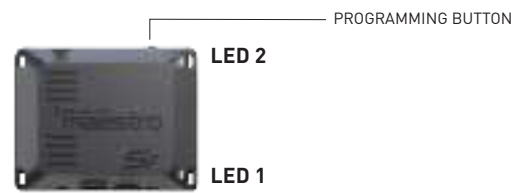
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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●	●	OFF	Normal operation (inactive).

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MAESTRO SR RESET PROCEDURE:

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

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



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ADAPTER READY**

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PROGRAMMED FIRMWARE: F01-SR-DS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

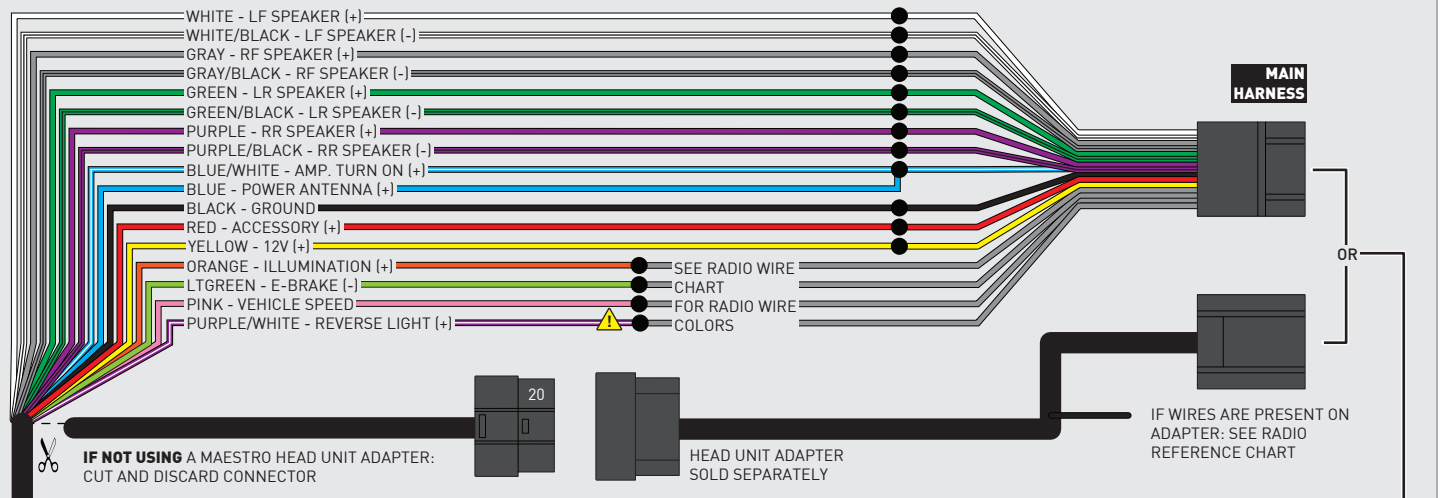
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

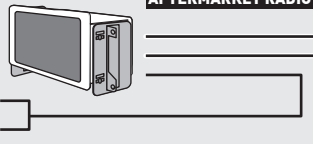
WIRING DIAGRAM

STEP 1

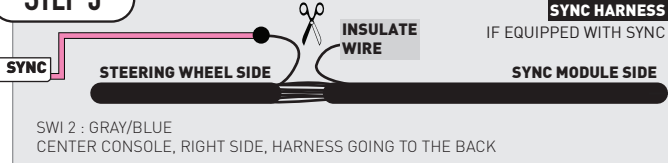


STEP 2

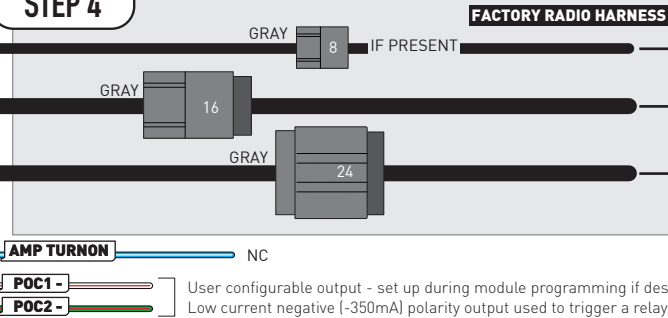
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



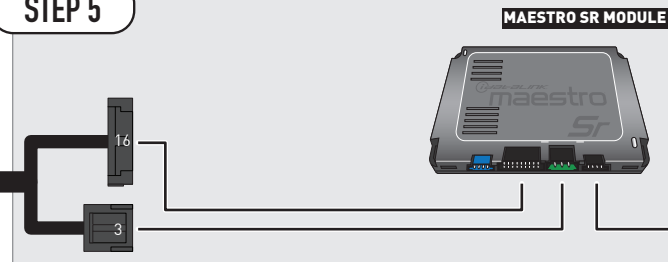
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

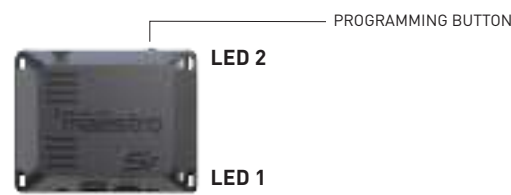
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

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2010-2012

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WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

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iDataLink Maestro SR-F01 Installation Harness

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Installation, product information, vehicle specific videos.

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Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

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If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDatalink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

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Vehicles equipped with SYNC:

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- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

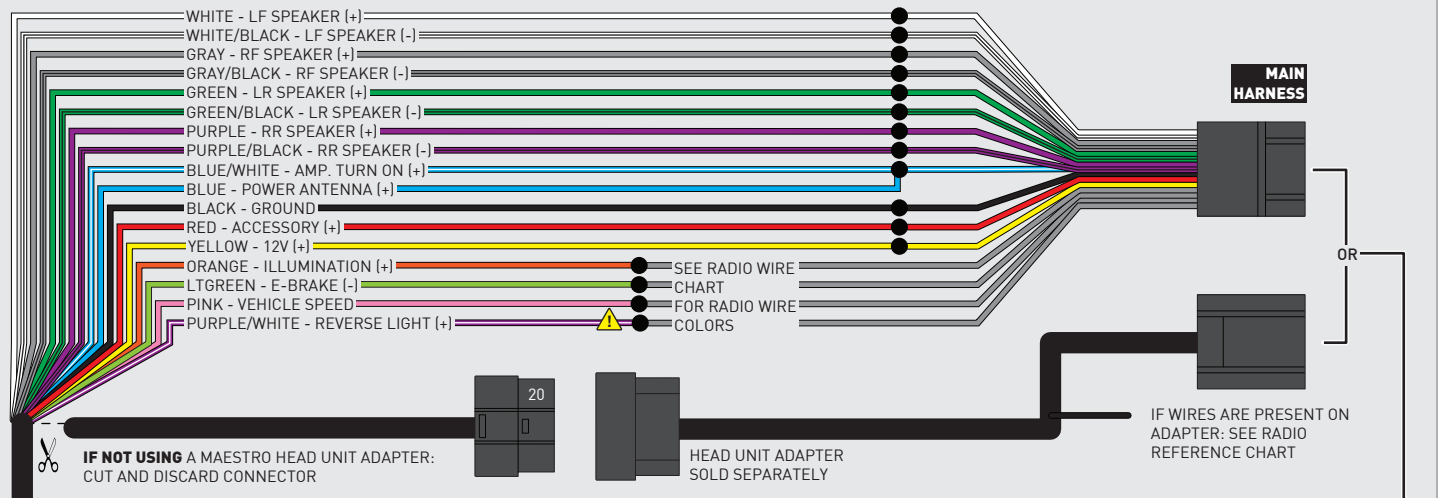
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Test your installation.

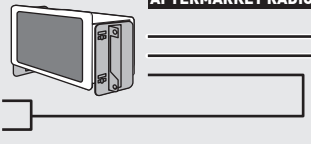
WIRING DIAGRAM

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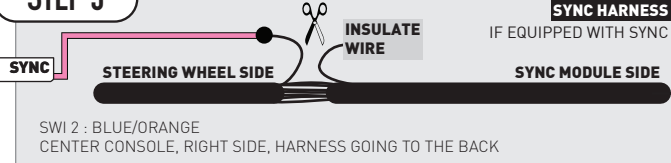


STEP 2

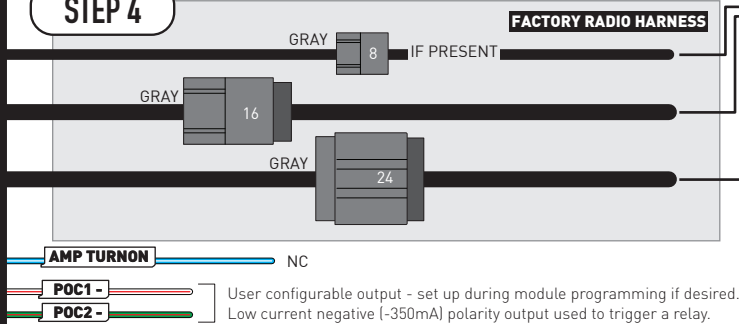
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



STEP 3



STEP 4



STEP 5



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RADIO WIRE REFERENCE CHART

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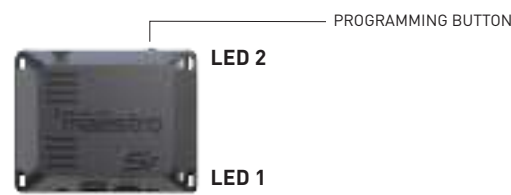
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ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

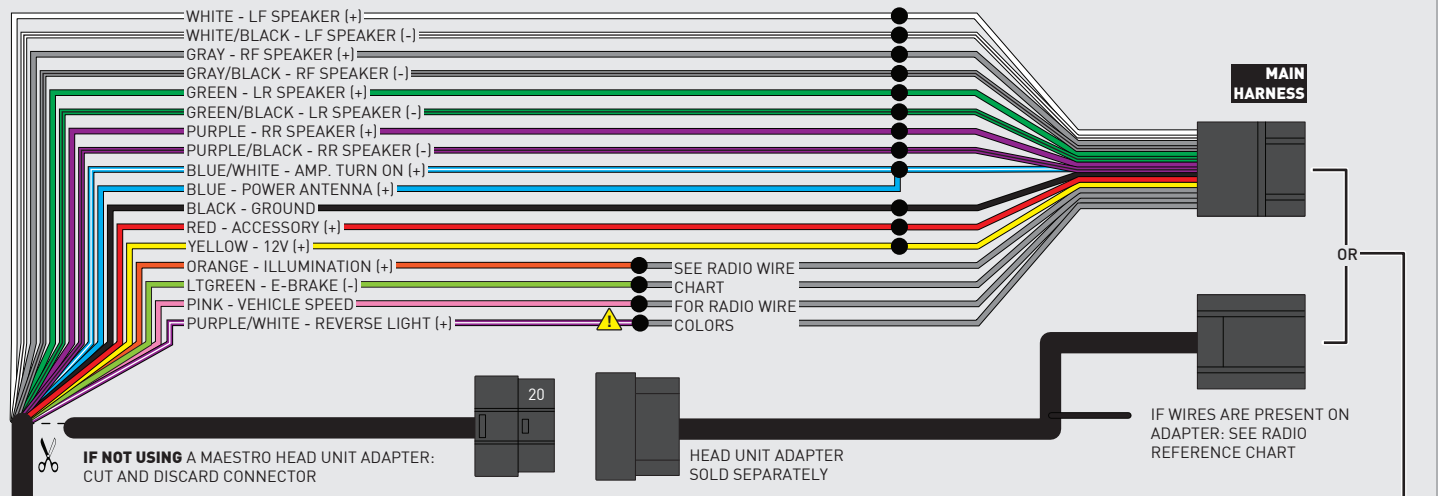
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

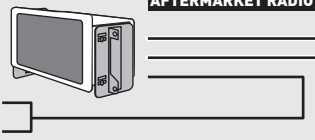
WIRING DIAGRAM

STEP 1

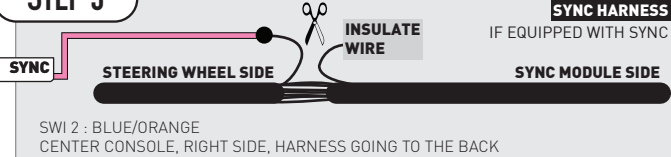


STEP 2

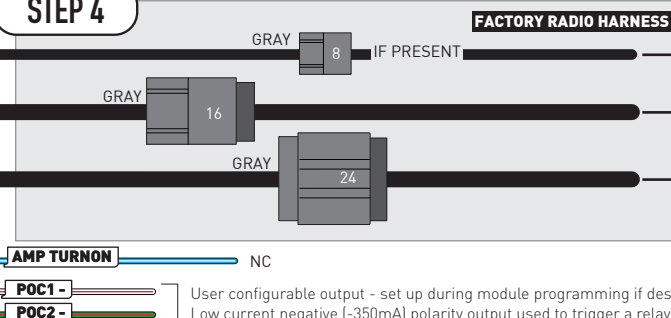
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



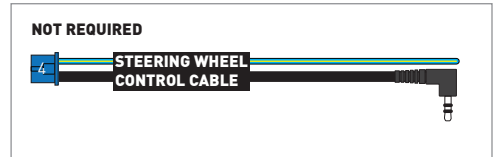
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

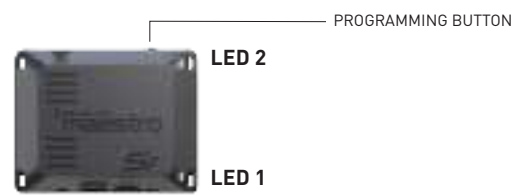
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

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

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
 - Plug the Data cable to the iDatalink port of the aftermarket radio.
- Note:** On Pioneer radio, ensure that there is nothing plugged into the W/R port.

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

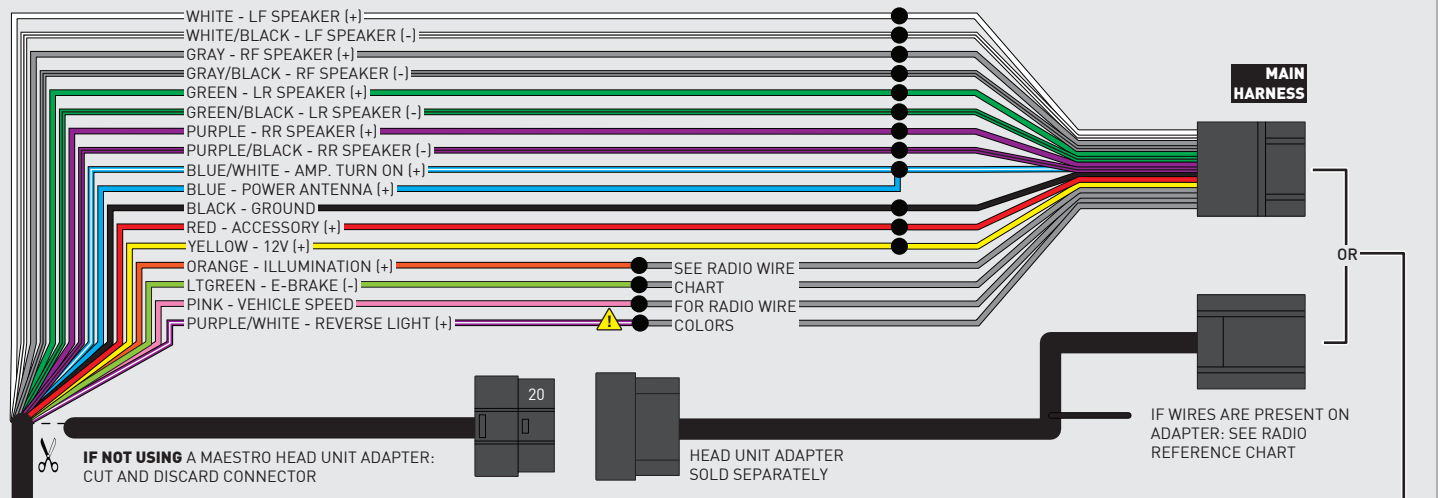
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

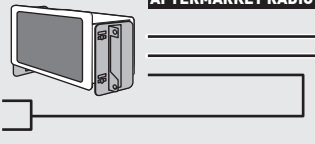
WIRING DIAGRAM

STEP 1



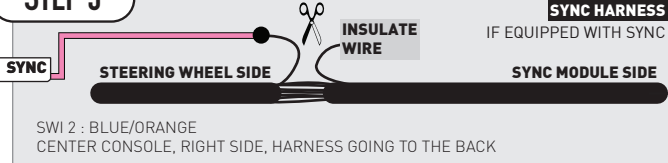
STEP 2

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

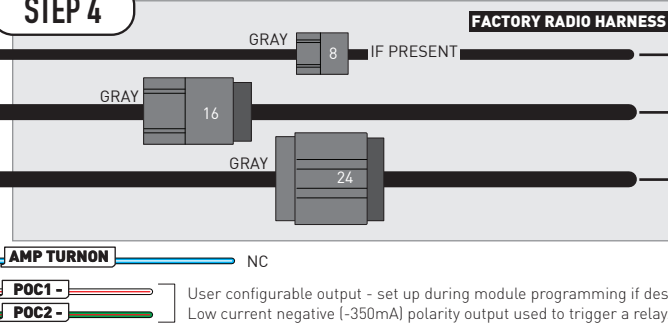


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

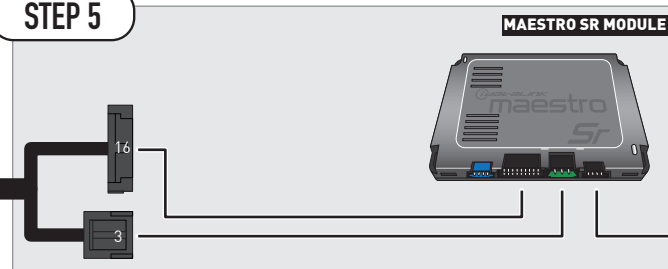
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

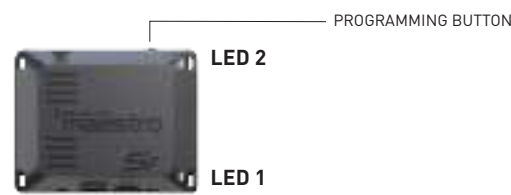
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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PROGRAMMED FIRMWARE: F01-SR-DS

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[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

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If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDatalink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

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STEP 3

Vehicles equipped with SYNC:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

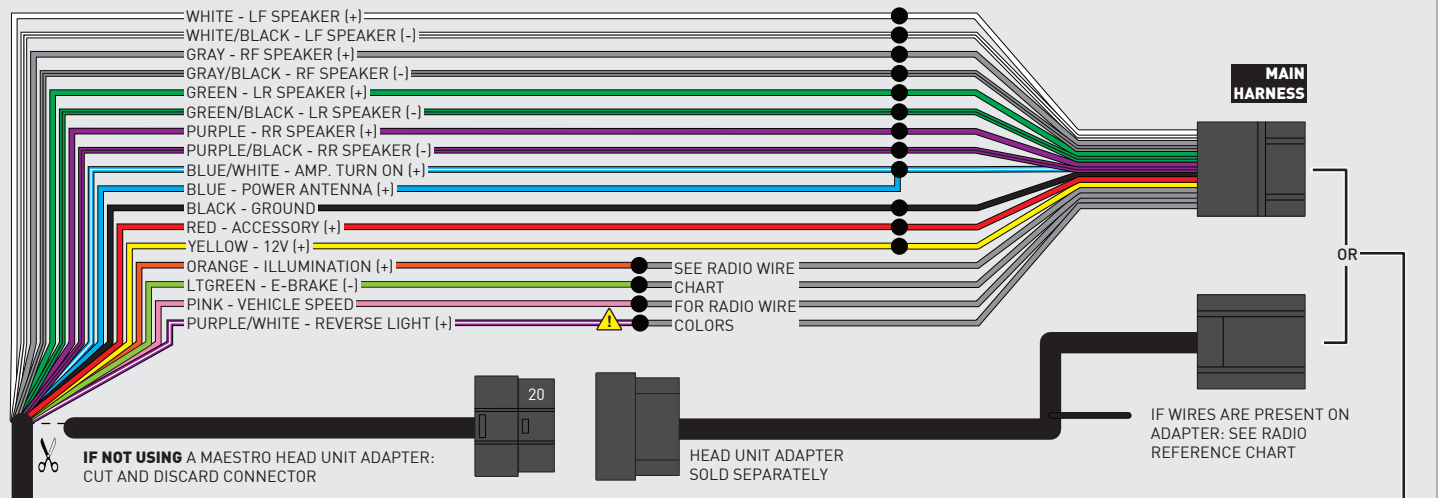
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- Connect the Data cable.

Test your installation.

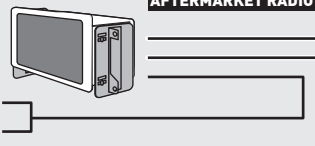
WIRING DIAGRAM

STEP 1

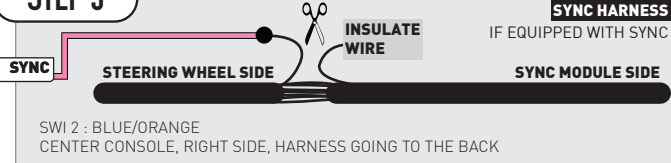


STEP 2

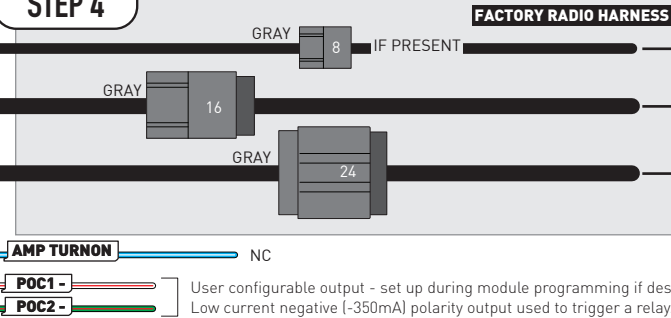
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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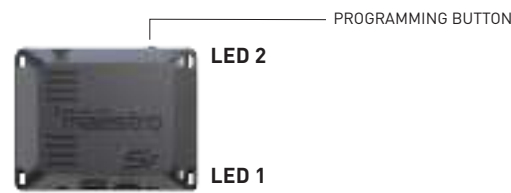
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2007-2010

LINCOLN MKX

WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

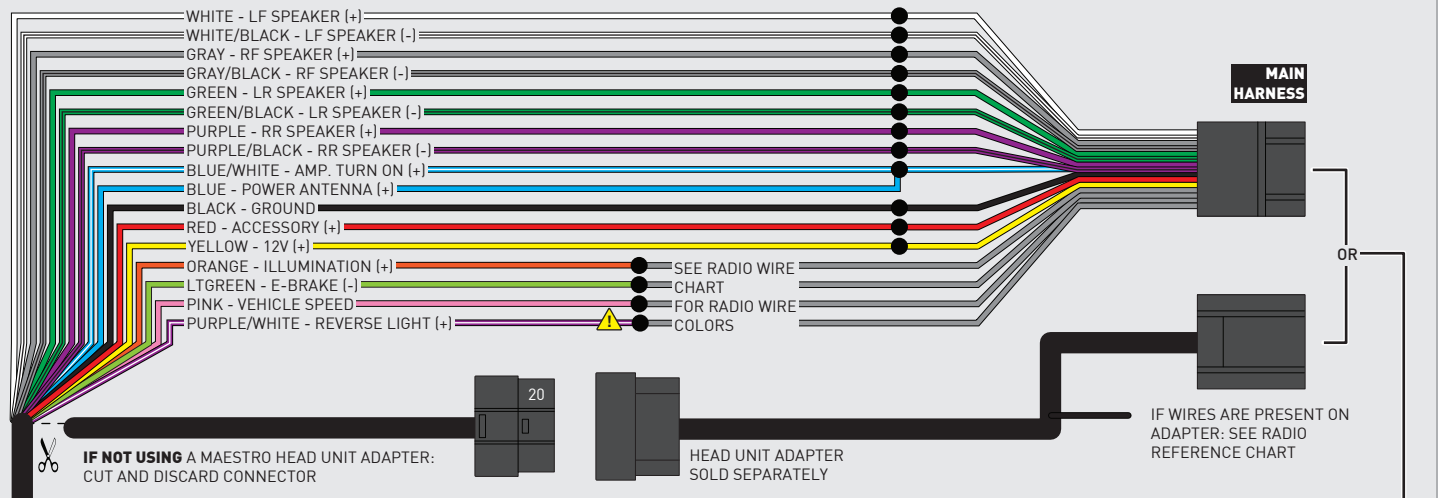
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

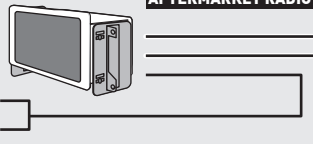
WIRING DIAGRAM

STEP 1

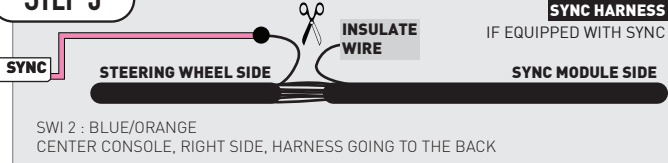


STEP 2

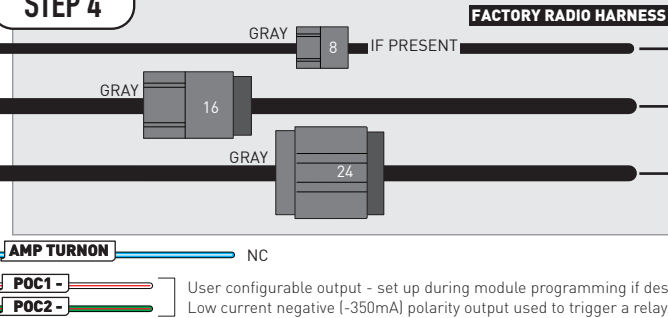
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



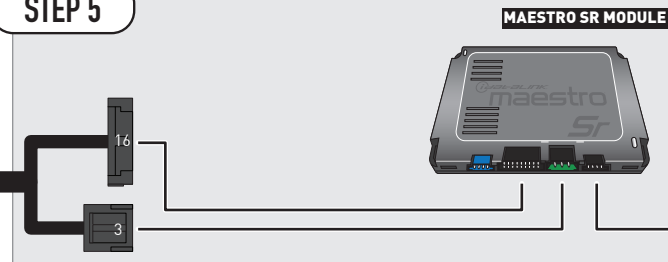
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

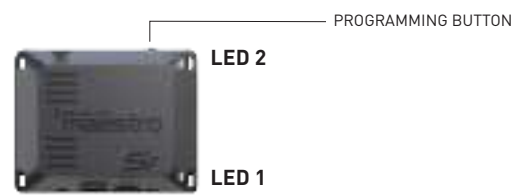
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

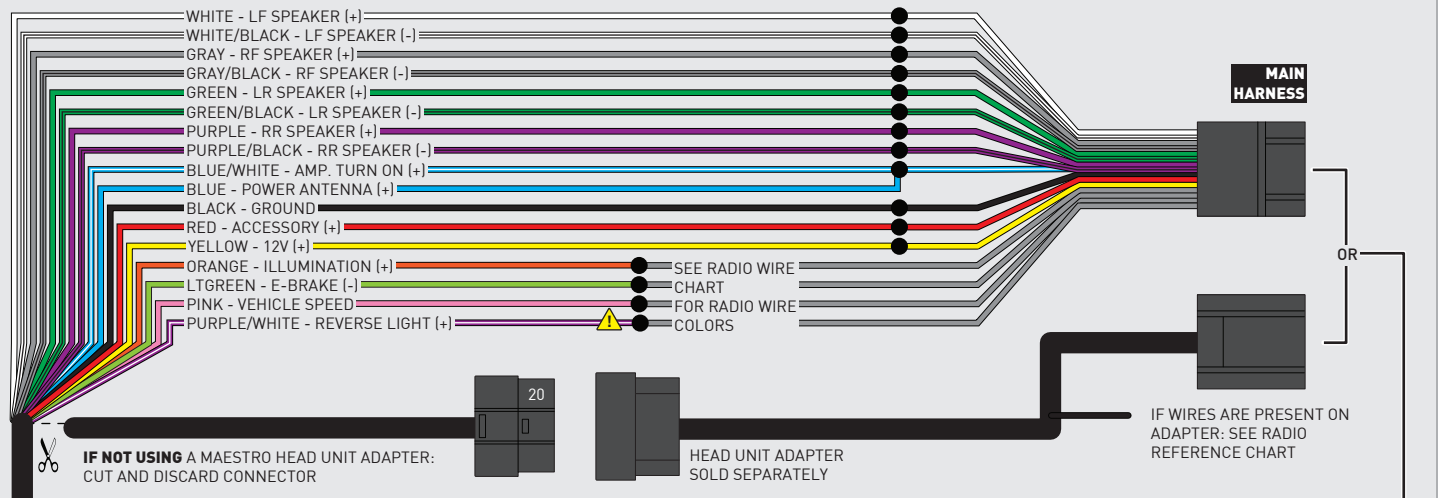
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

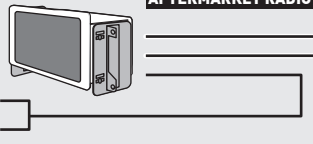
WIRING DIAGRAM

STEP 1



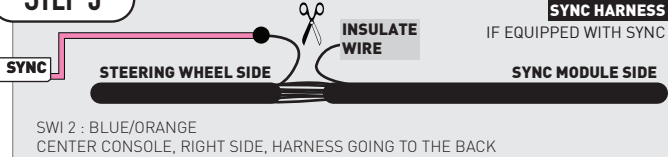
STEP 2

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

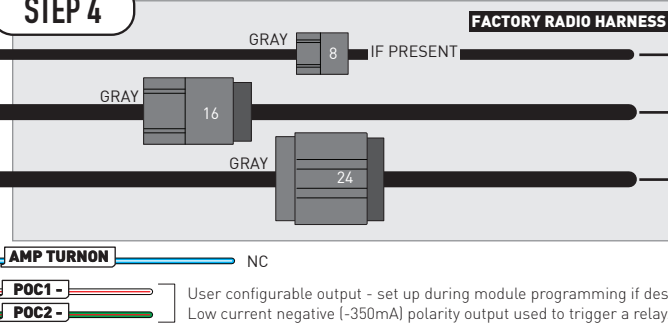


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

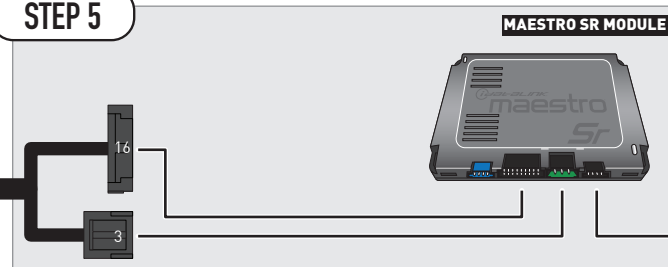
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

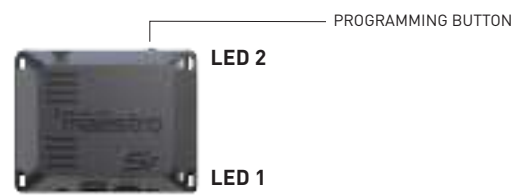
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ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

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STEP 2

- Plug the harnesses into the aftermarket radio.
 - Plug the Data cable to the iDatalink port of the aftermarket radio.
- Note:** On Pioneer radio, ensure that there is nothing plugged into the W/R port.

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

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STEP 3

Vehicles equipped with SYNC:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

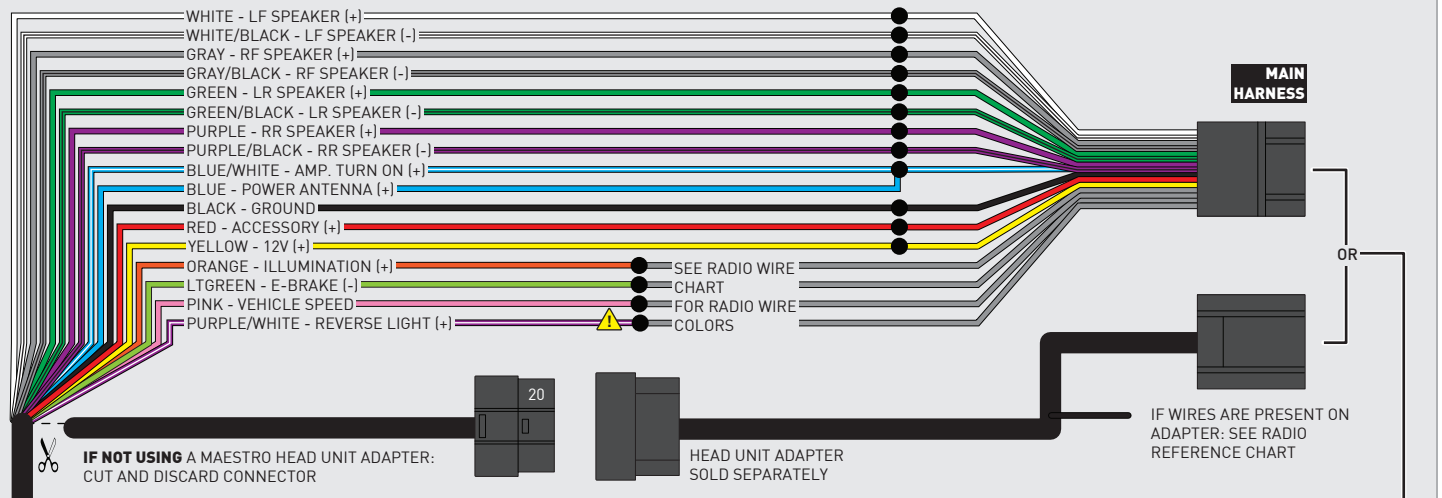
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

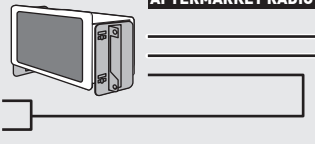
WIRING DIAGRAM

STEP 1



STEP 2

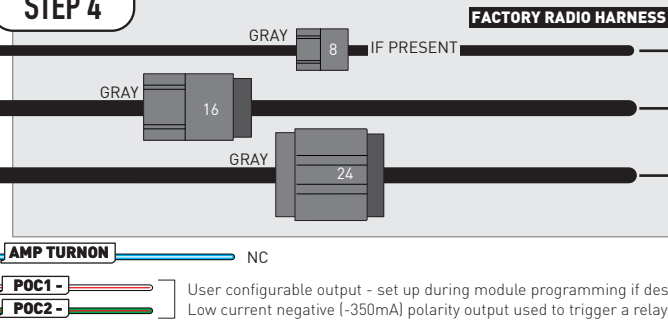
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



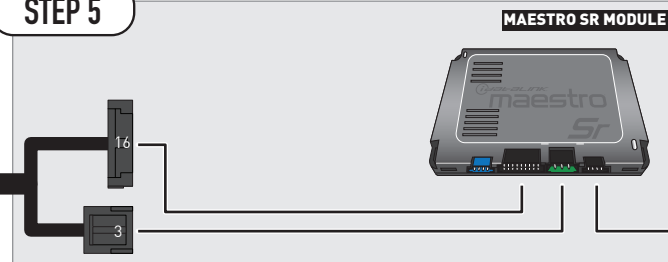
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

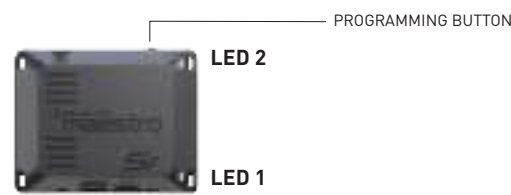
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDatalink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

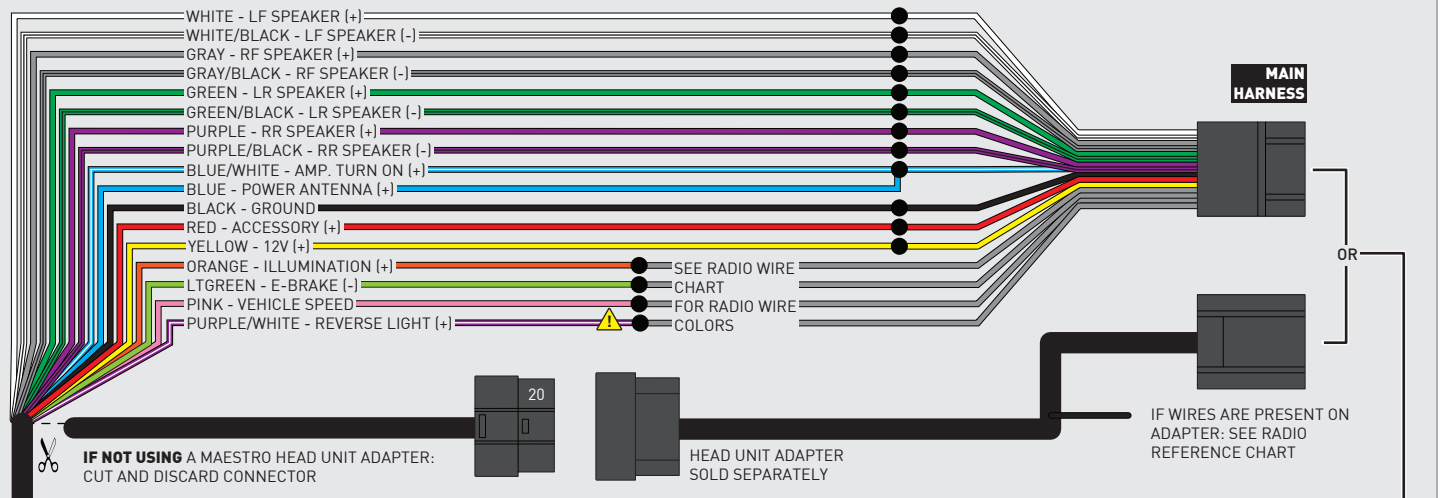
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

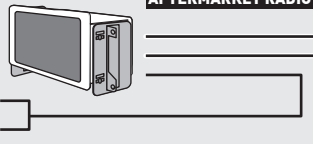
WIRING DIAGRAM

STEP 1



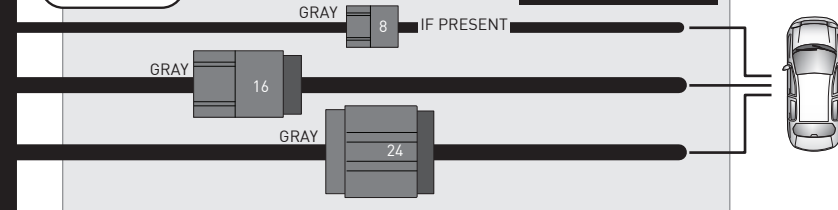
STEP 2

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



STEP 3

FACTORY RADIO HARNESS

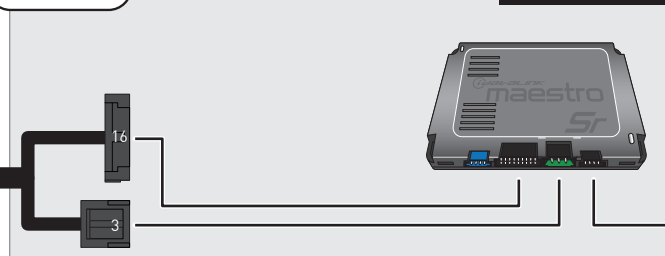


SYNC NC
AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative [-350mA] polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

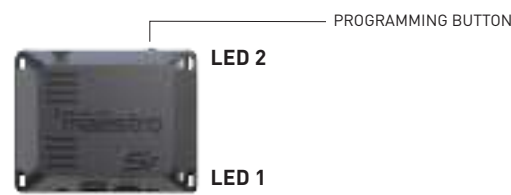
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDatalink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

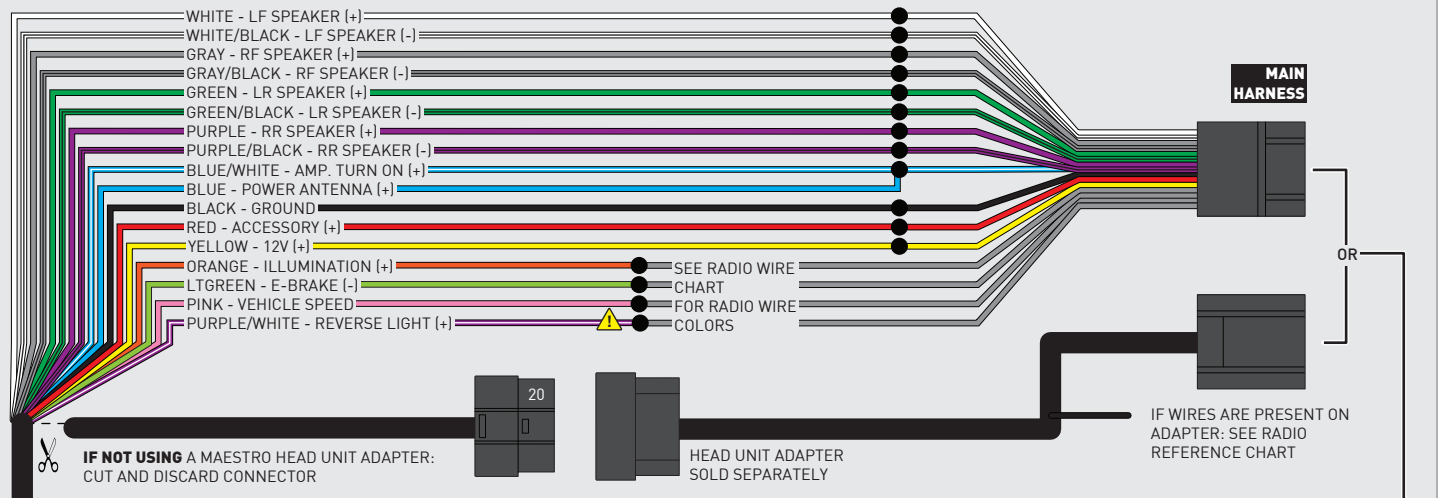
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

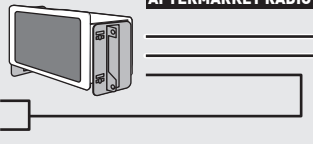
WIRING DIAGRAM

STEP 1



STEP 2

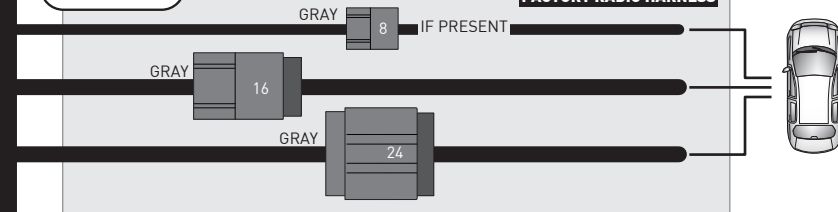
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

FACTORY RADIO HARNESS



SYNC NC

AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative [-350mA] polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

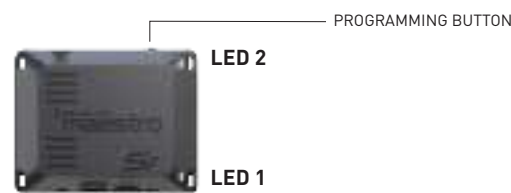
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VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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ADAPTER READY**

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

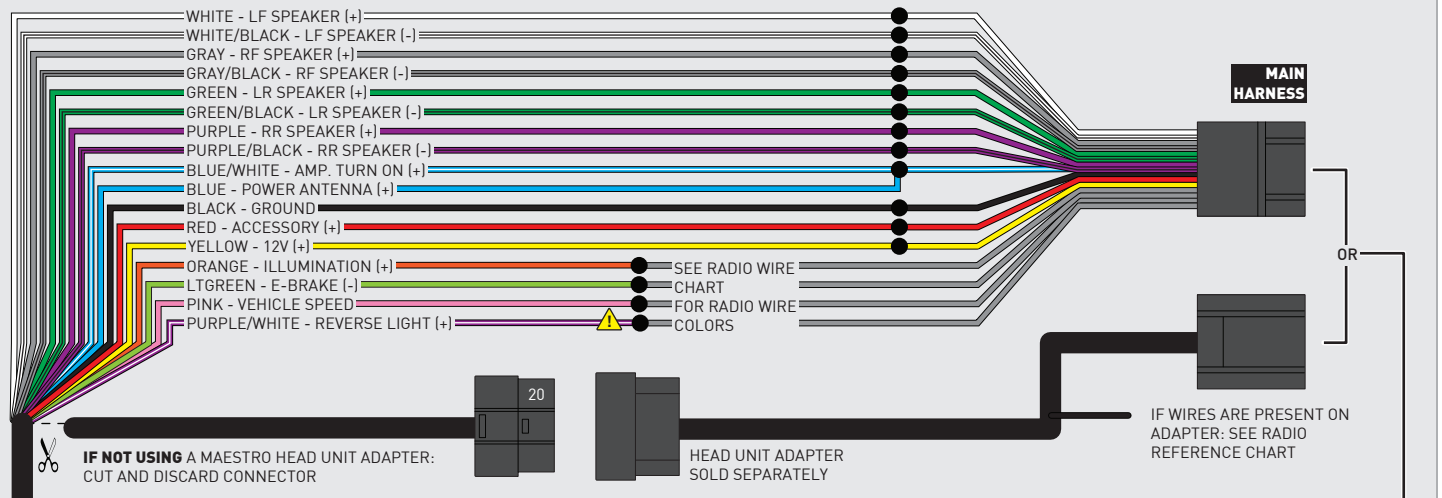
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

WIRING DIAGRAM

STEP 1

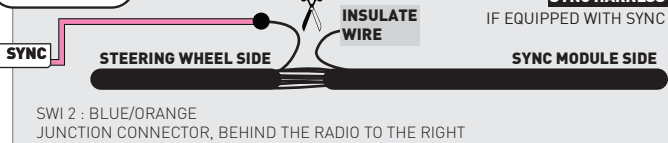


STEP 2

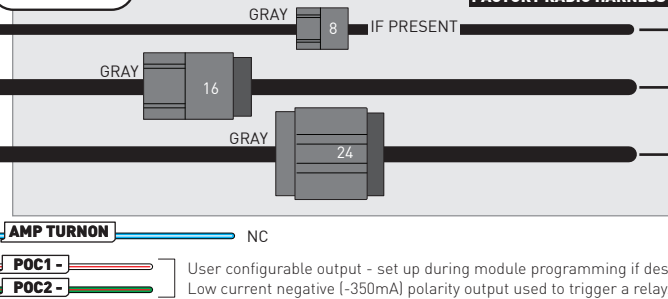
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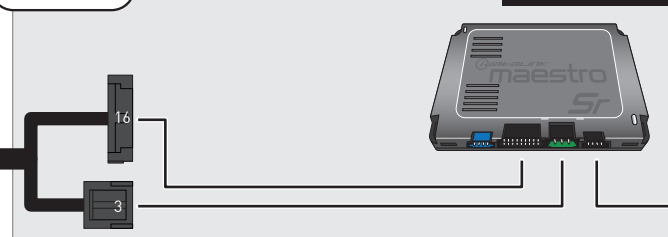
STEP 3



STEP 4



STEP 5



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

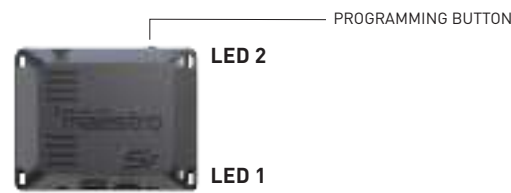
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VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

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CAM	(+)	Green/Red	Refer to camera/radio manual
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-DS

WELCOME

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

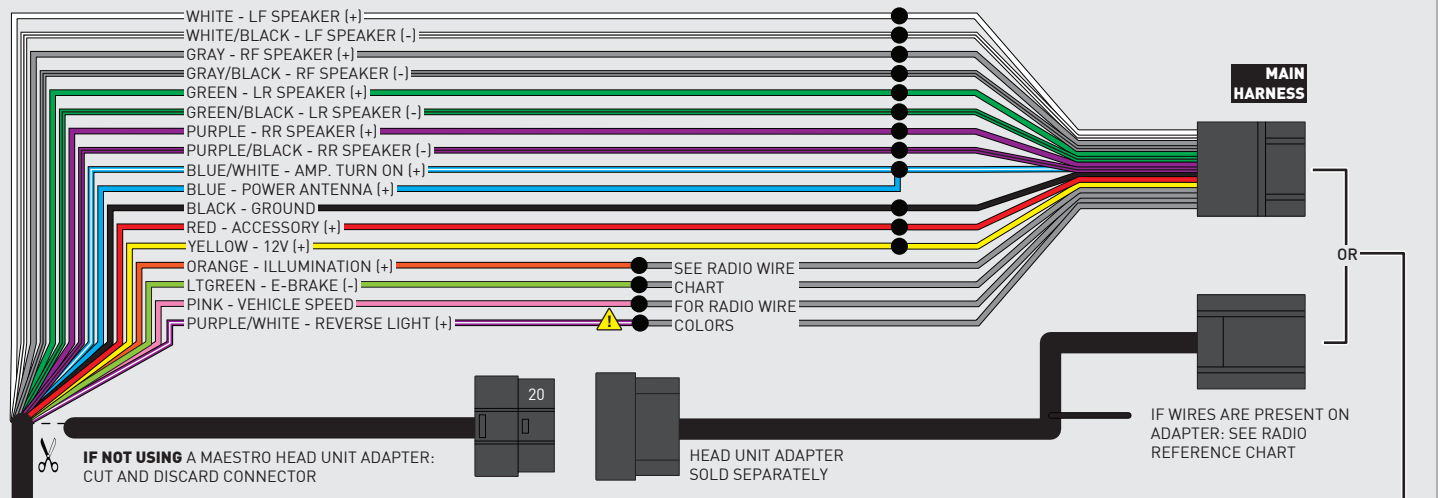
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

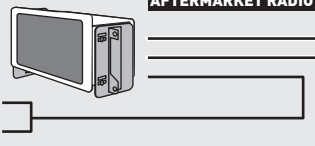
WIRING DIAGRAM

STEP 1



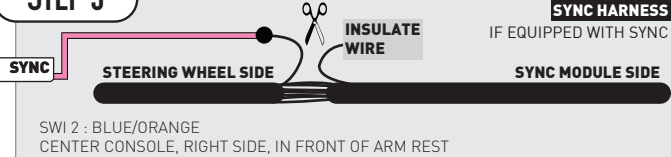
STEP 2

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

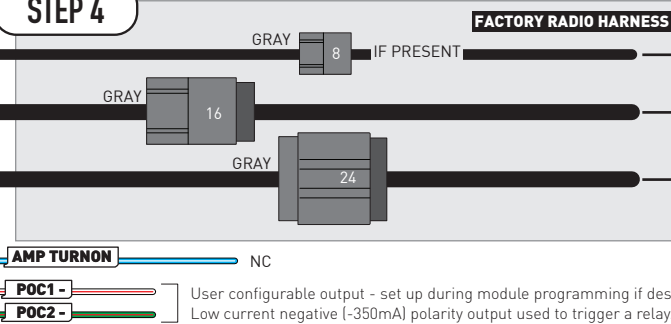


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

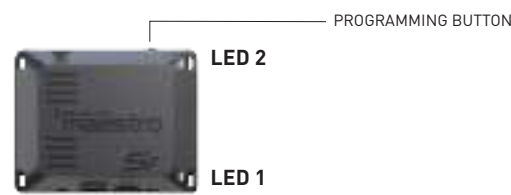
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
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		OFF	Normal operation (inactive).

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MAESTRO SR RESET PROCEDURE:

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PROGRAMMED FIRMWARE: F01-SR-DS

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[VIDEO HELP](#)



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[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



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If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
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STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

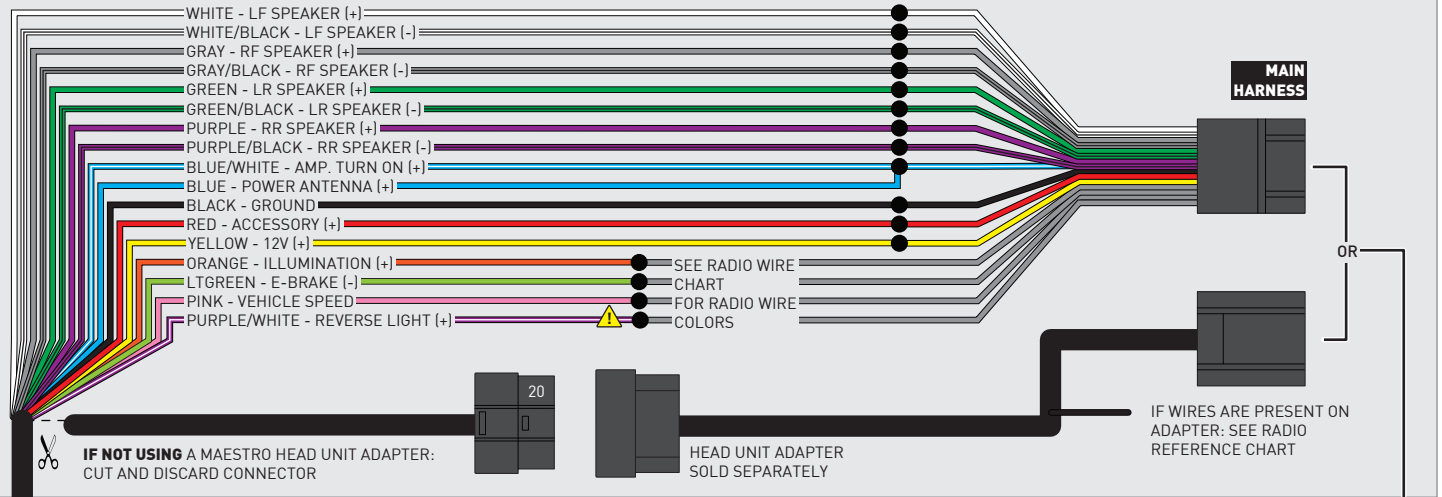
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the Data cable.

Test your installation.

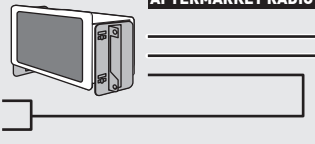
WIRING DIAGRAM

STEP 1

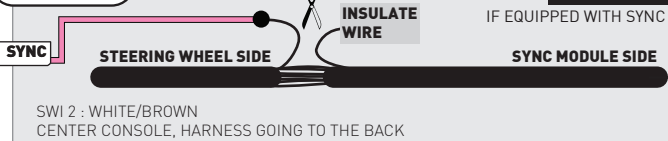


STEP 2

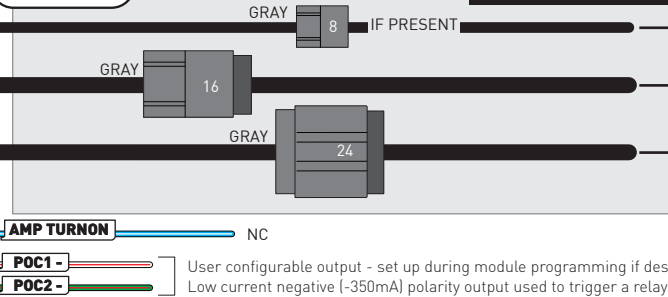
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



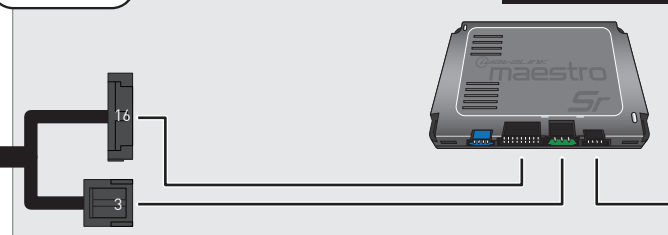
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

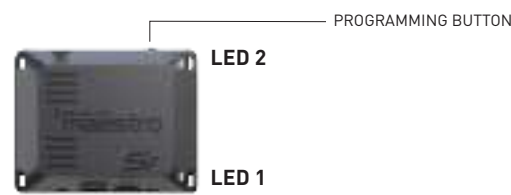
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
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CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
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* Reverse light wire: Only connect to radio or module damage will occur.

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LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

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Last flash information, steering control configuration, vehicle information.

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Software to program module.

[WEBLINK](#)



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If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

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STEP 2

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the iDataLink port of the aftermarket radio.

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

- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

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STEP 3

Vehicles equipped with SYNC:

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radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

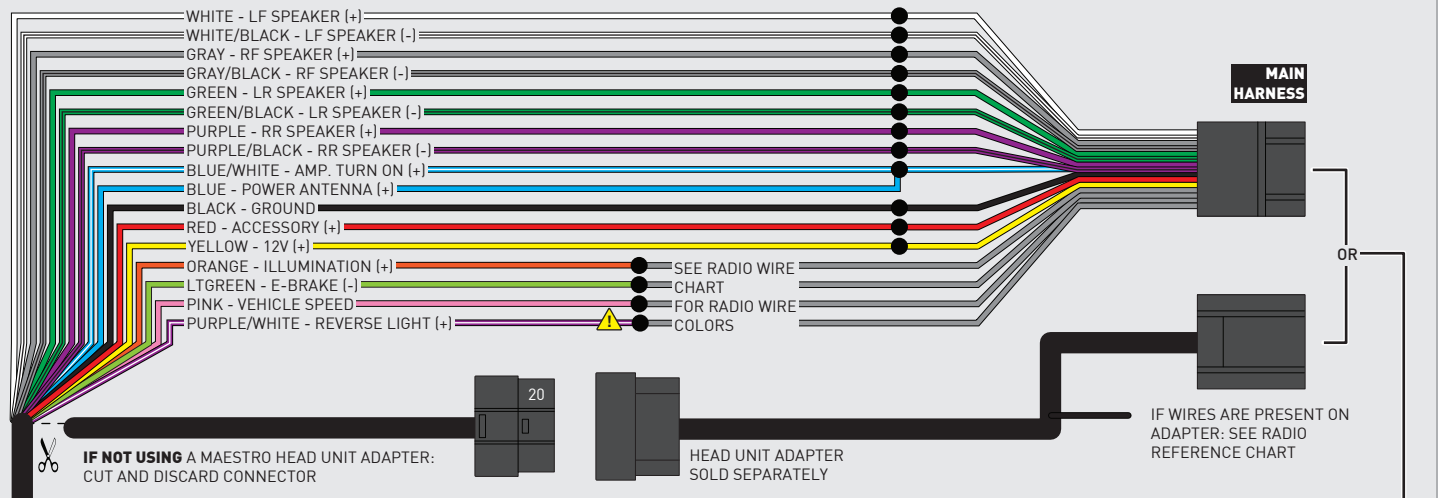
STEP 5

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Test your installation.

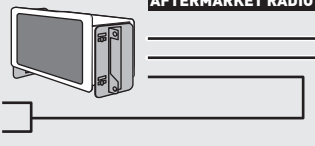
WIRING DIAGRAM

STEP 1



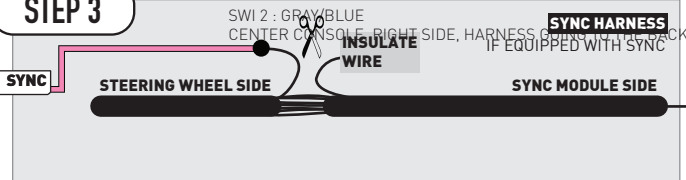
STEP 2

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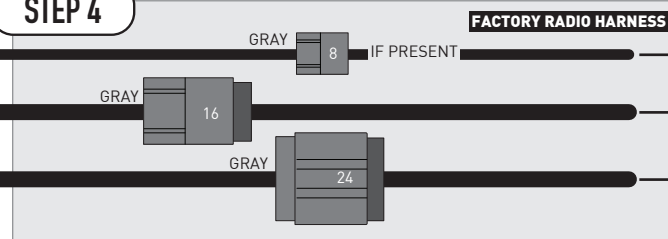


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STEP 3



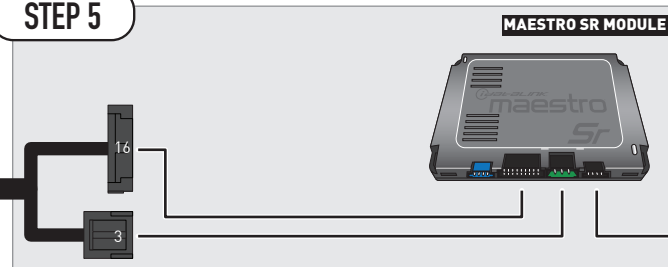
STEP 4



AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
 POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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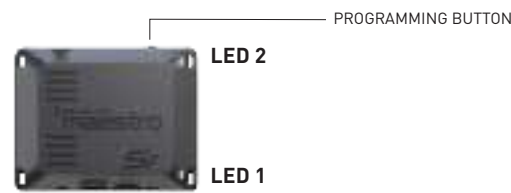
ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the SR, and that it is plugged into the black port on the Maestro SR. The red and blue ports on the SR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but the radio is NOT turning on.	If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO SR RESET PROCEDURE:

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



HOW TO USE THIS INSTALL GUIDE

- 1** Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
- 2** Print only the pages for your vehicle using the advanced options in the Print menu.
- 3** Install your Maestro SR 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.

2008-2020

FORD ECONOLINE
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

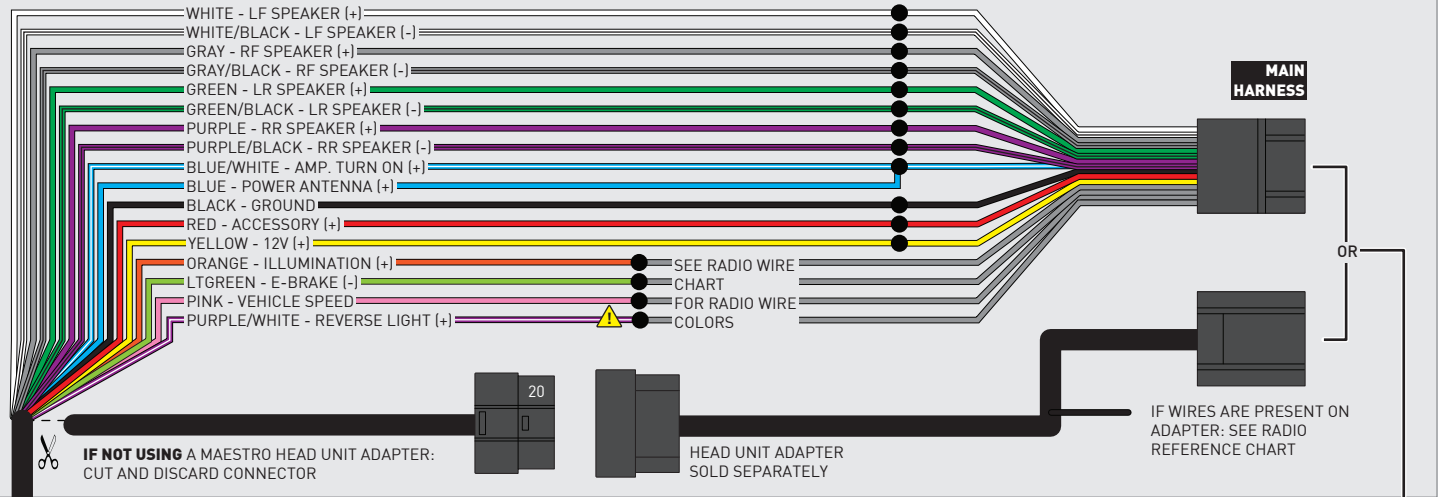
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

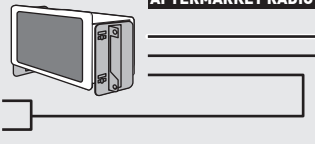
WIRING DIAGRAM

STEP 1

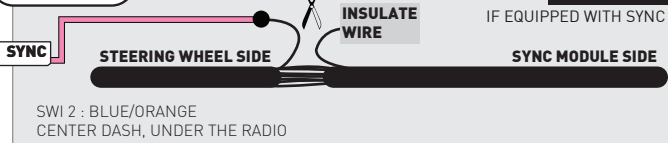


STEP 2

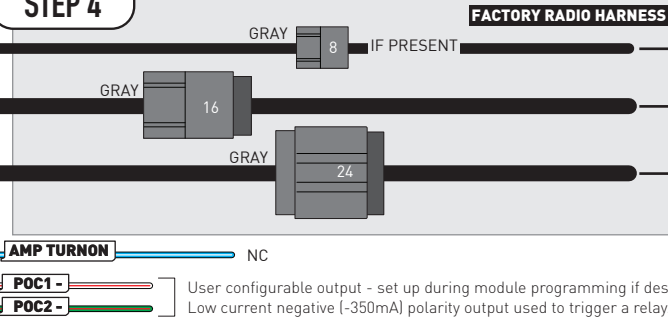
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



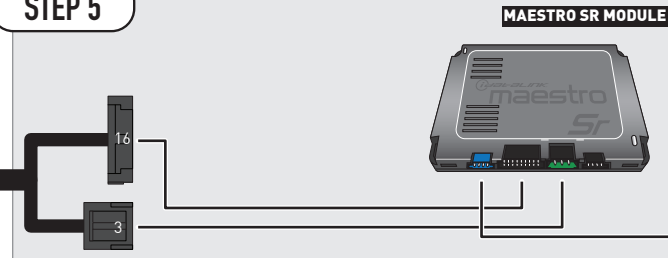
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

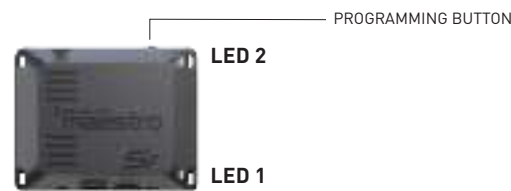
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

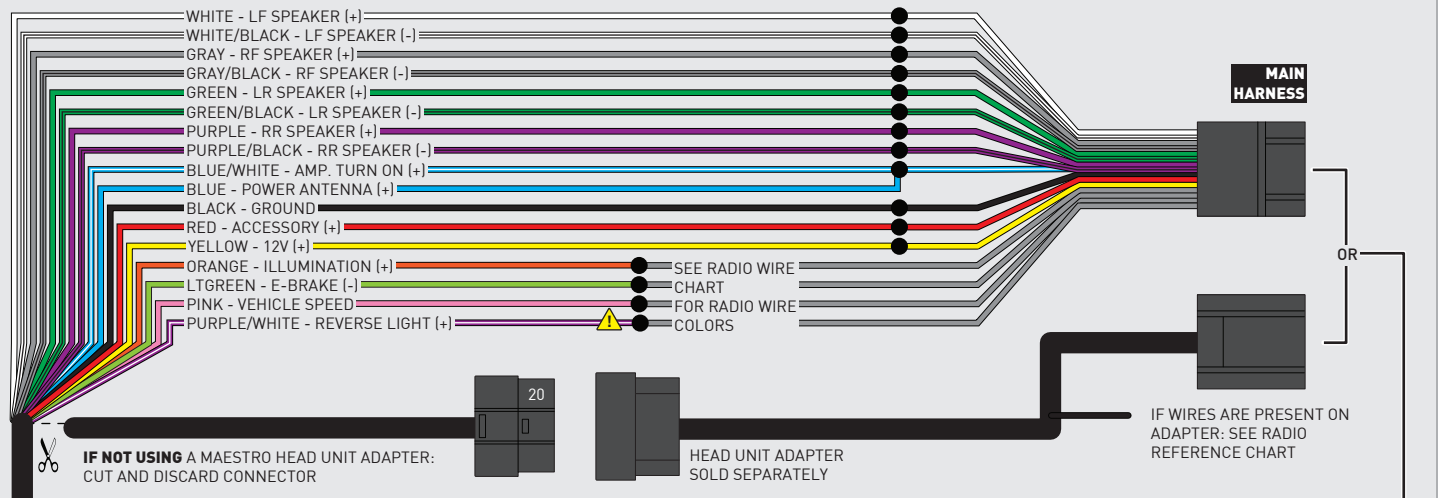
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

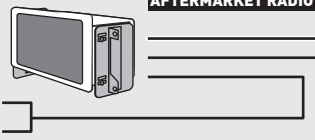
WIRING DIAGRAM

STEP 1



STEP 2

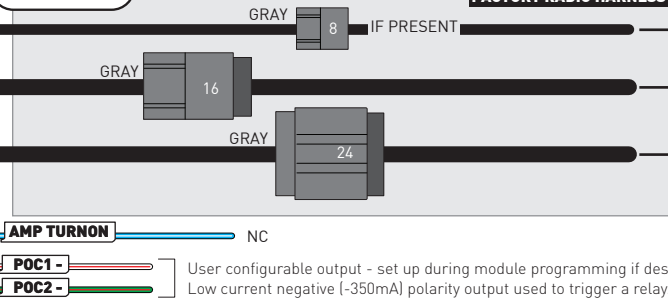
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



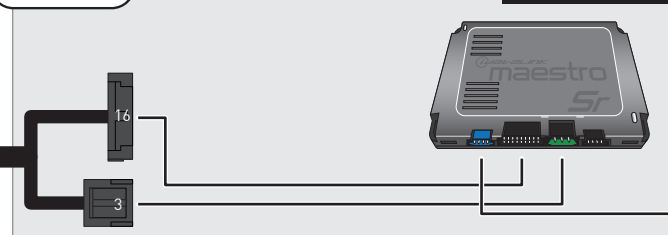
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

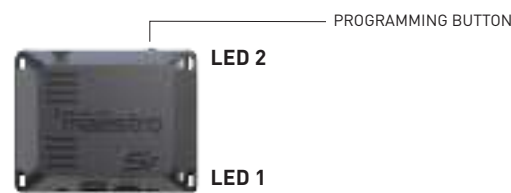
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
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Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

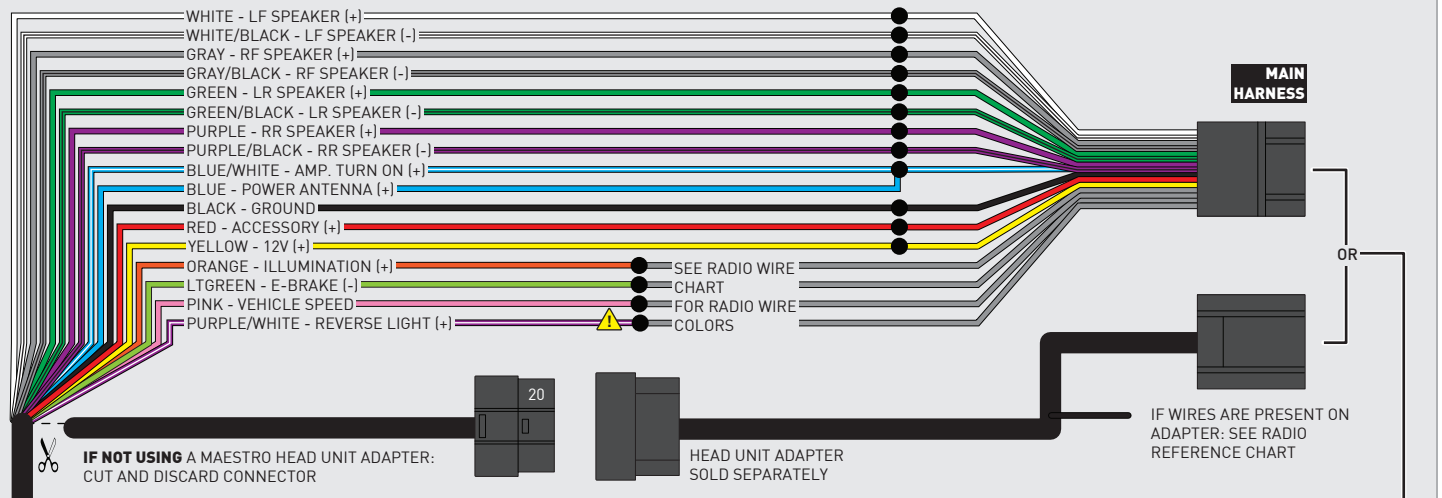
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

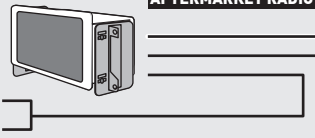
WIRING DIAGRAM

STEP 1

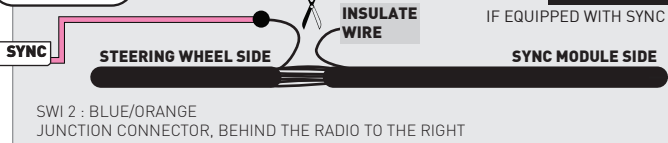


STEP 2

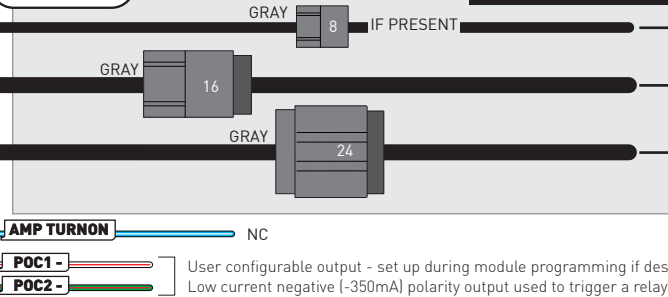
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



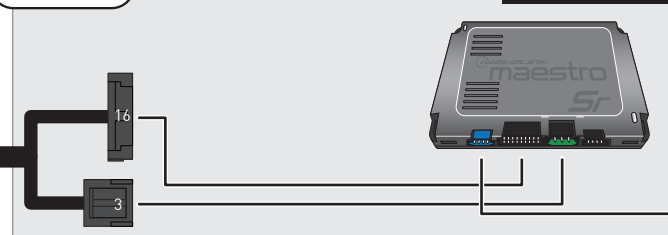
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

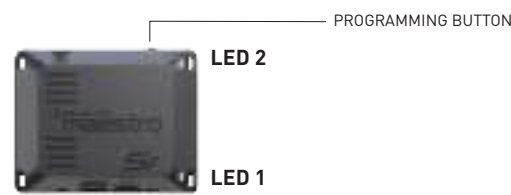
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2007-2014

FORD EXPEDITION
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

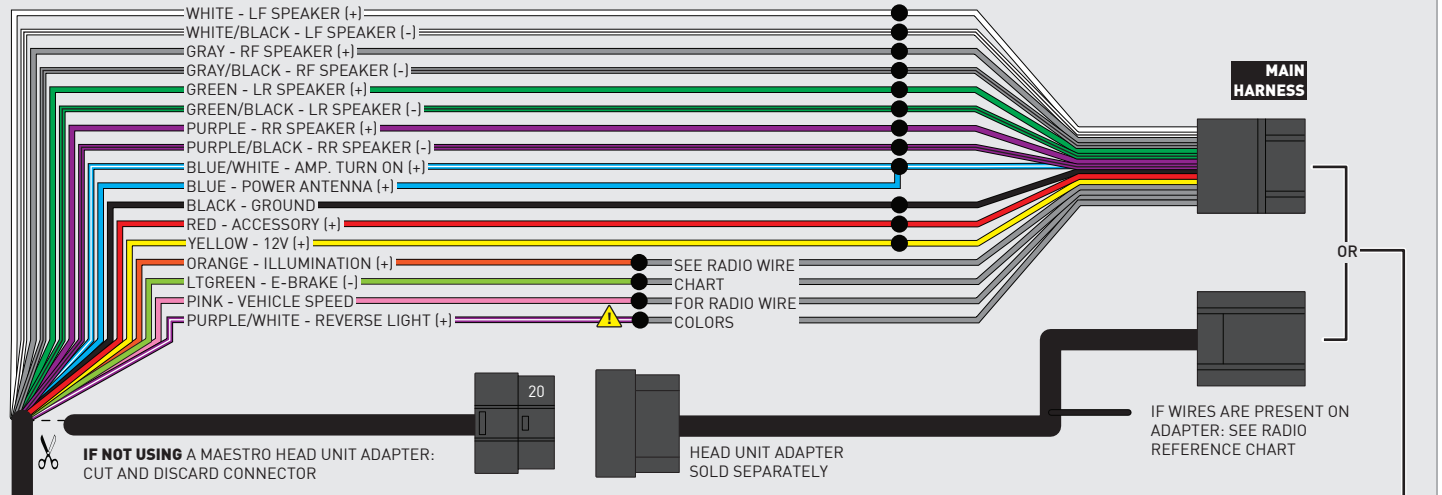
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

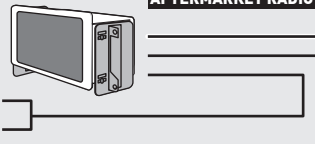
WIRING DIAGRAM

STEP 1

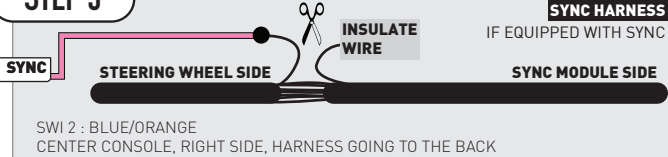


STEP 2

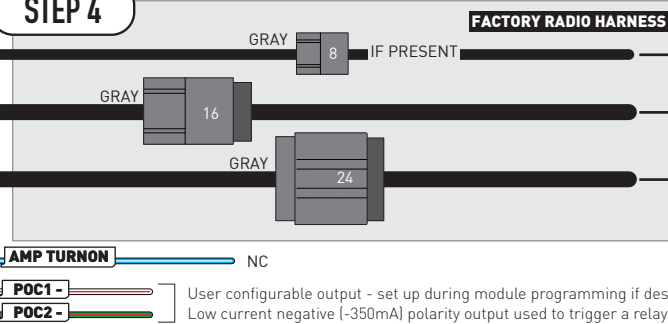
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



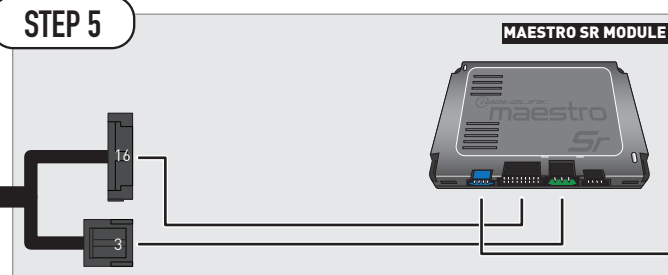
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

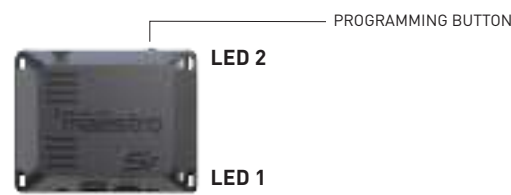
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2006-2010

FORD EXPLORER SPORT TRAC
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

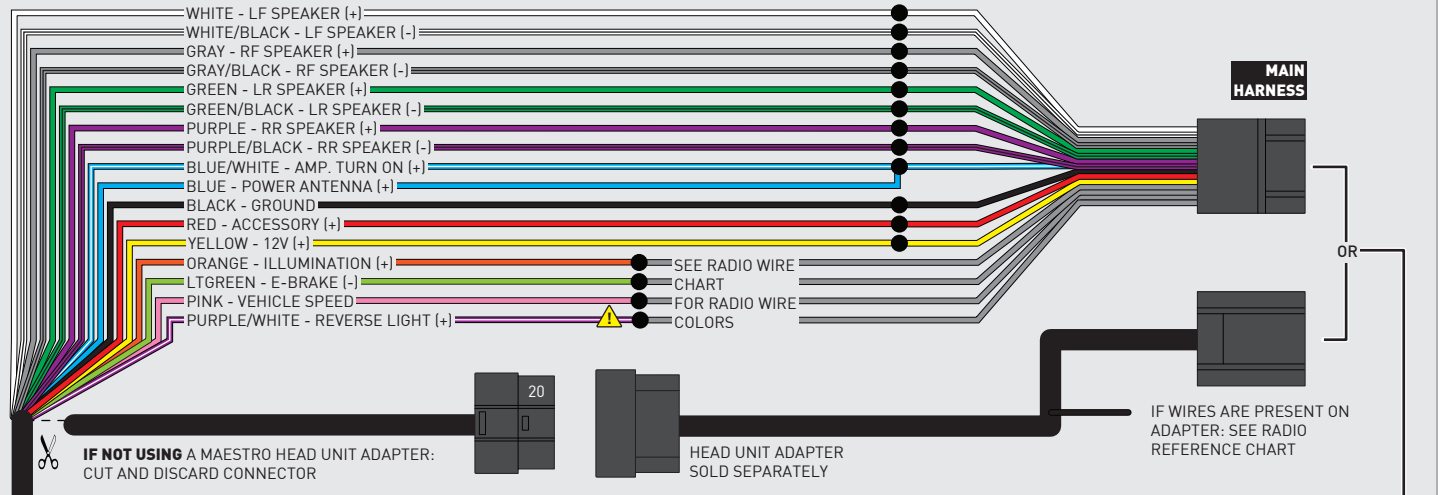
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

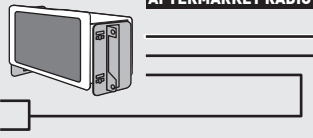
WIRING DIAGRAM

STEP 1

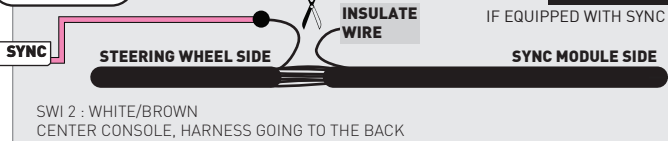


STEP 2

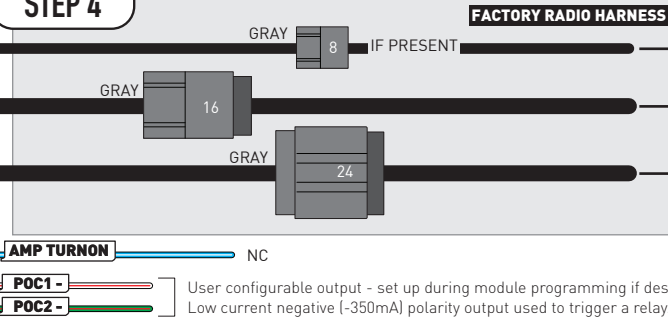
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



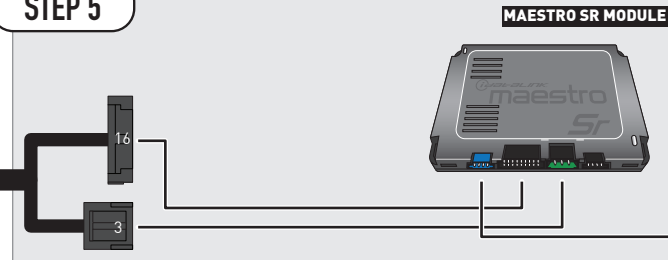
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

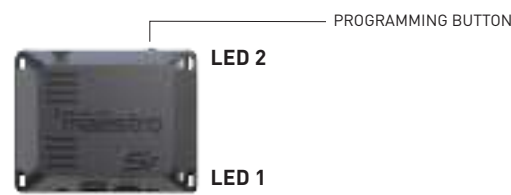
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2006-2010

FORD EXPLORER
WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

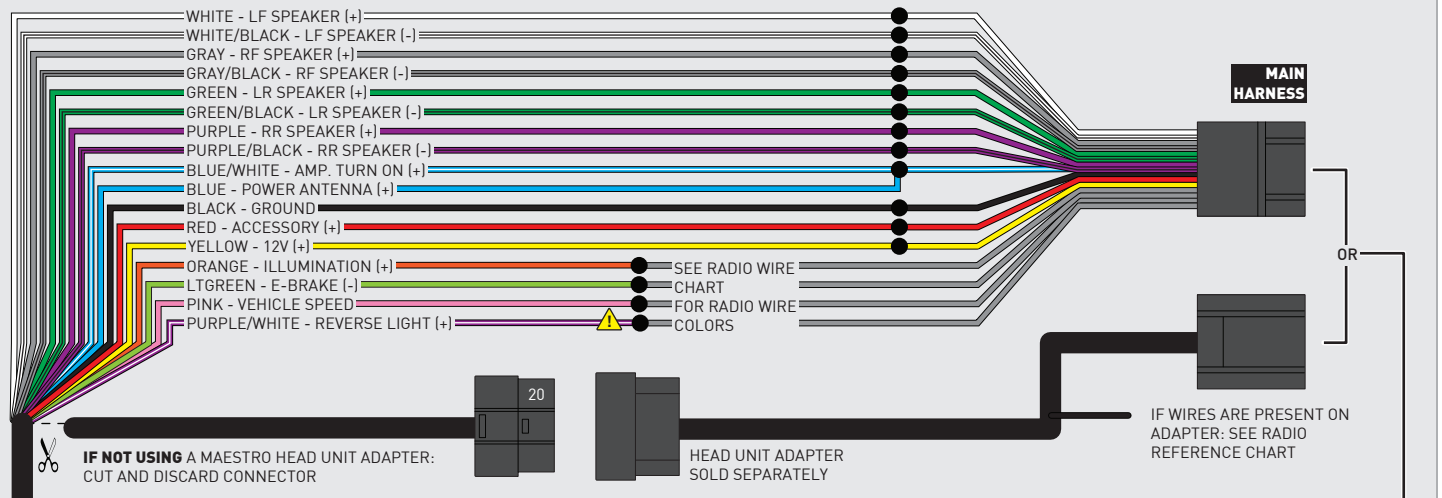
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

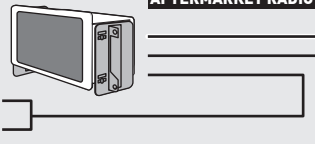
WIRING DIAGRAM

STEP 1

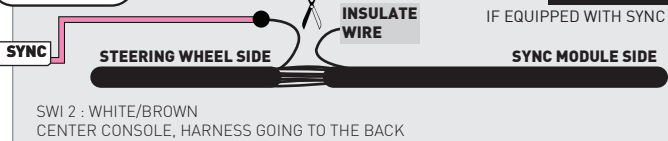


STEP 2

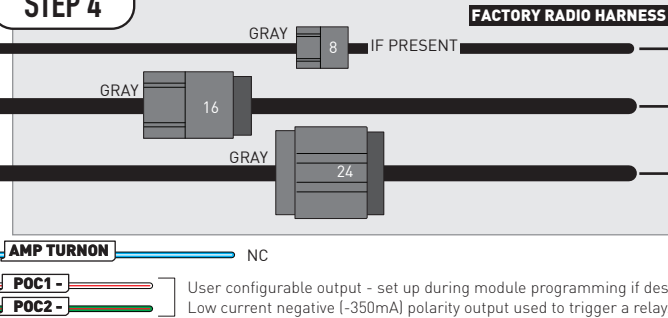
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



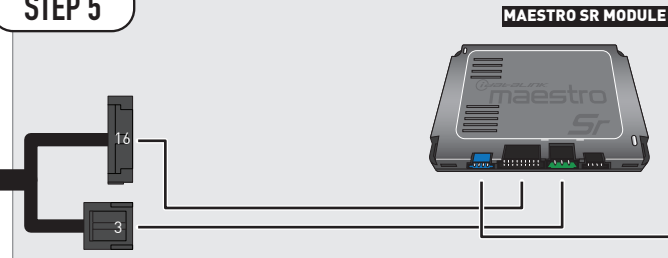
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

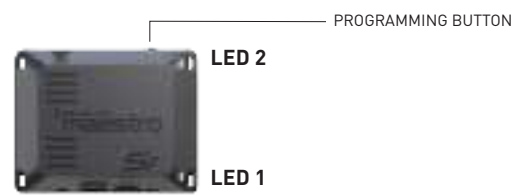
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2013-2016

FORD F-250 350 450

WITHOUT 8 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

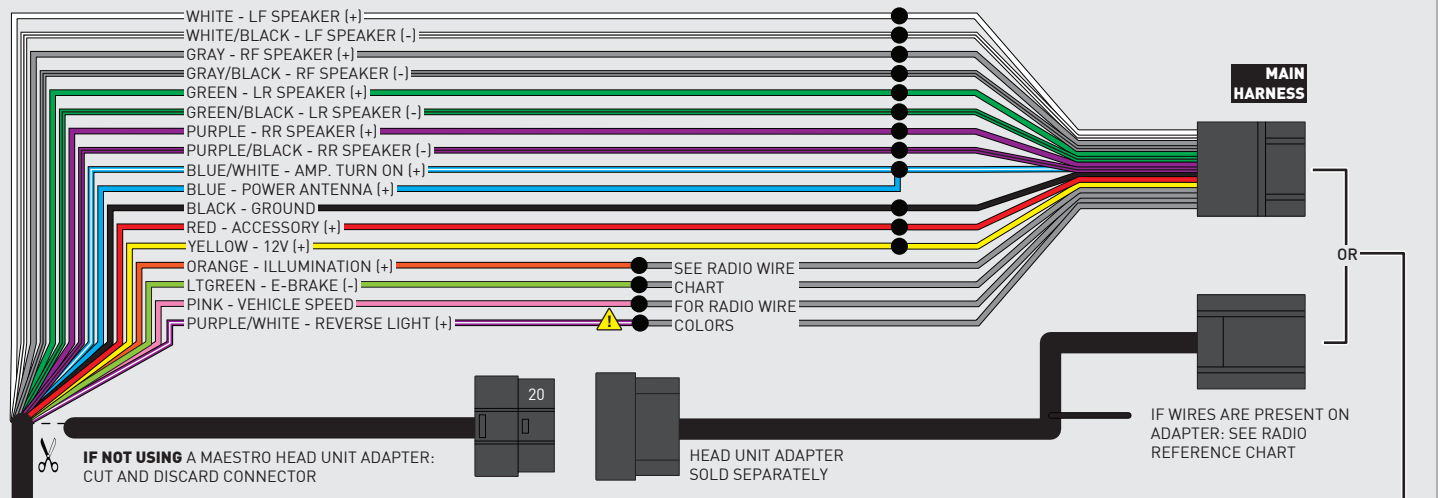
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

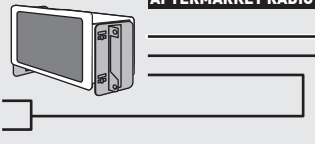
WIRING DIAGRAM

STEP 1



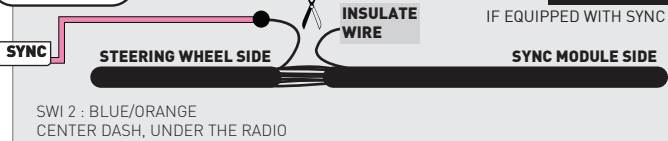
STEP 2

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

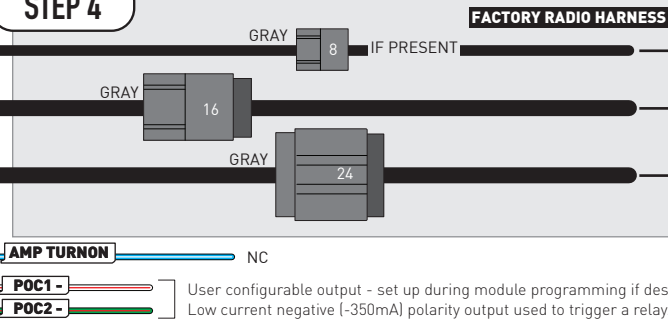


ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

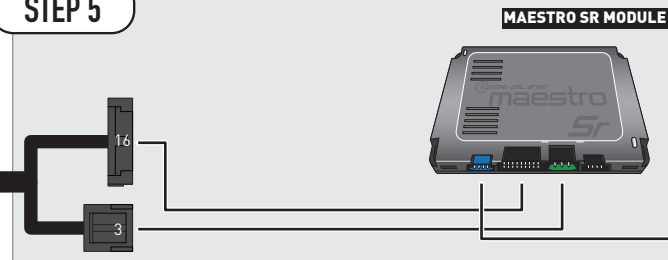
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

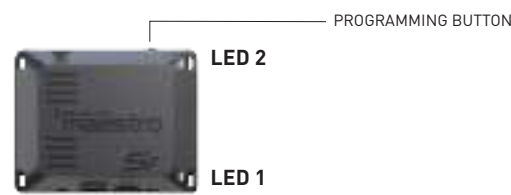
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

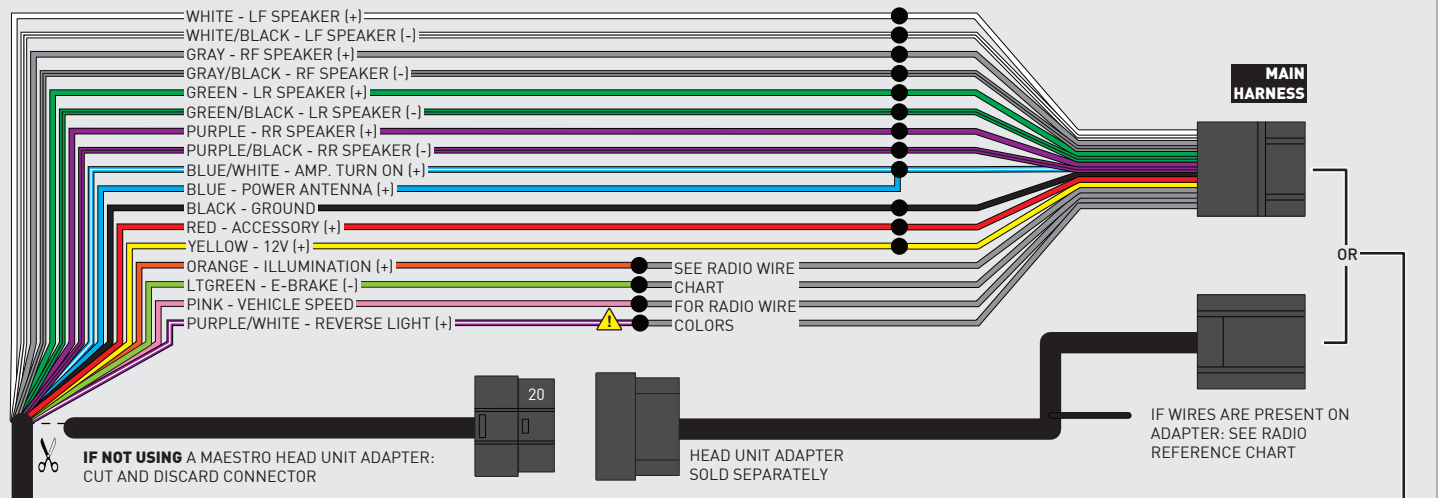
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

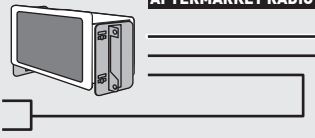
WIRING DIAGRAM

STEP 1

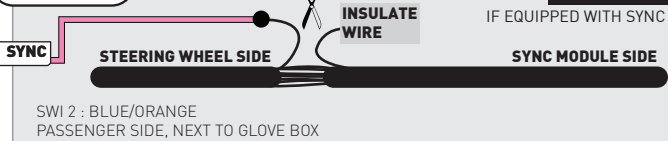


STEP 2

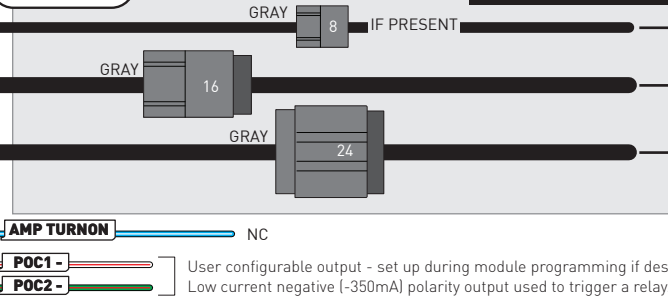
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



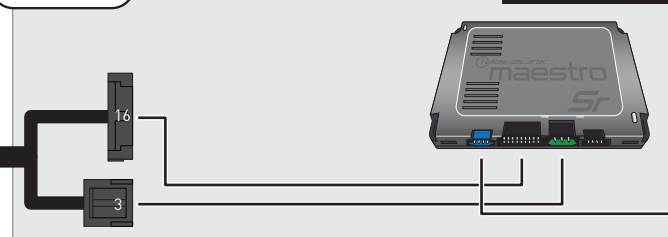
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

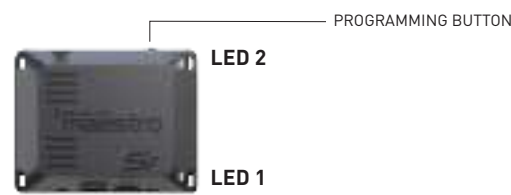
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/ radio manual
CAM	(-)	Green/White	Refer to camera/ radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2013-2014

FORD F150

WITHOUT MYFORD OR MYFORD TOUCH

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

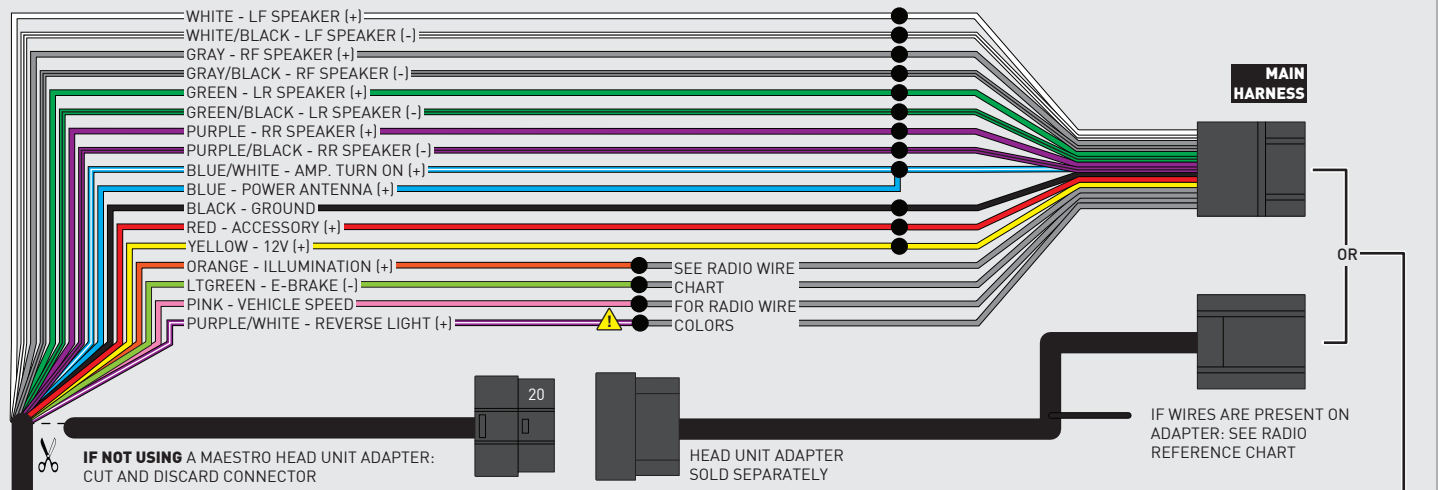
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

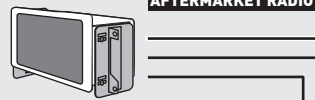
WIRING DIAGRAM

STEP 1



STEP 2

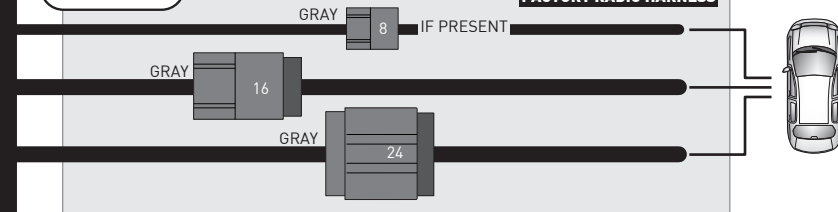
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

FACTORY RADIO HARNESS



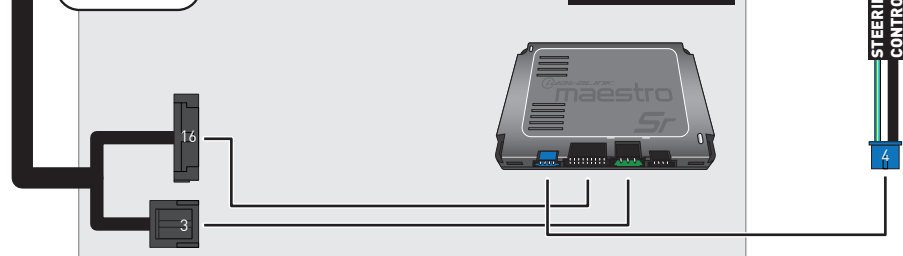
SYNC NC

AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

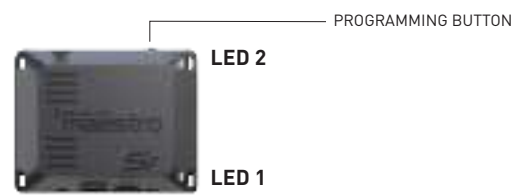
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2009-2012

FORD F150

WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

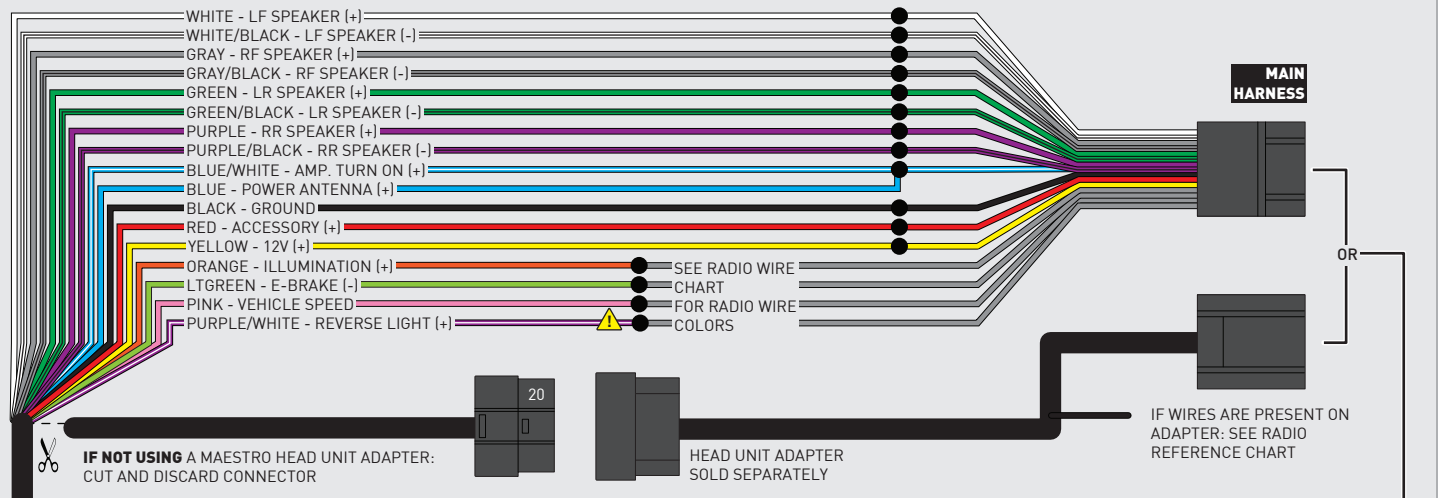
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

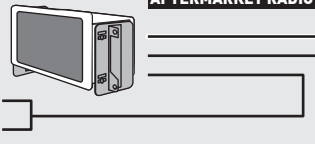
WIRING DIAGRAM

STEP 1

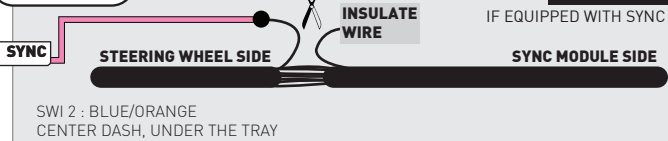


STEP 2

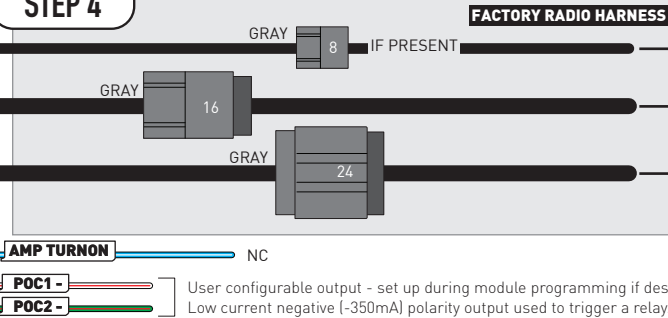
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



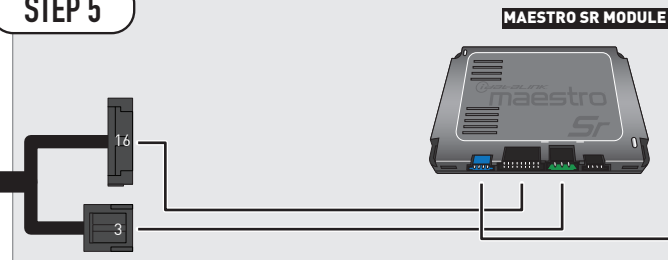
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

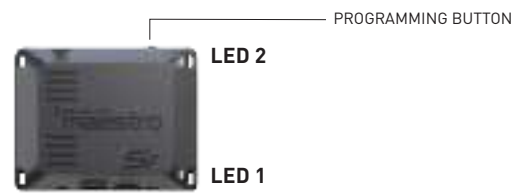
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2009-2012

FORD FLEX

WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

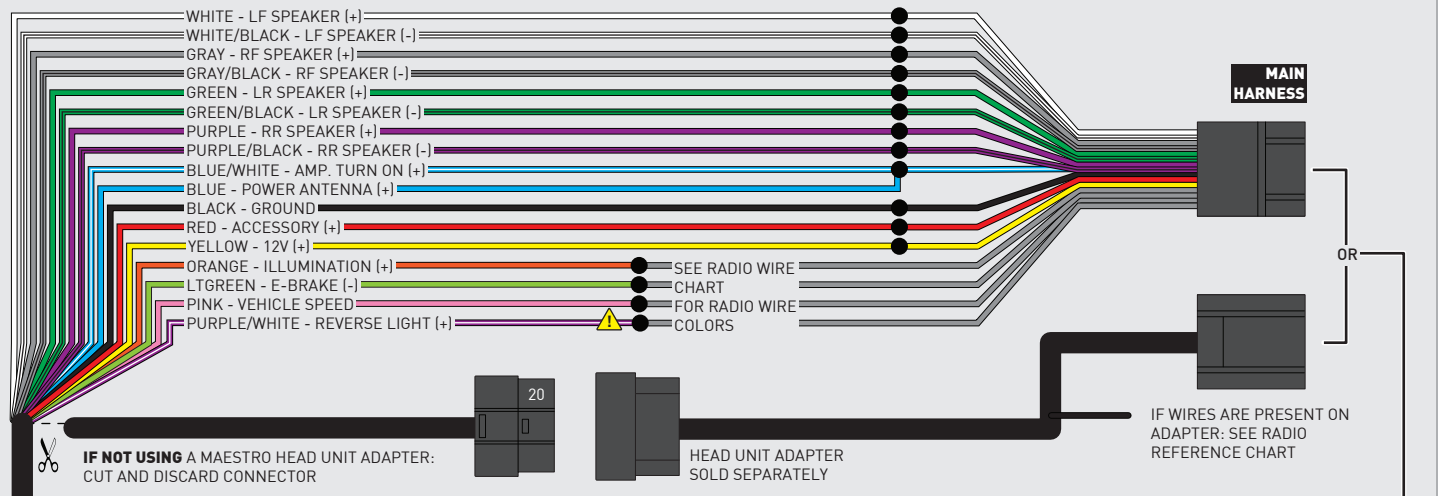
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

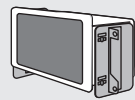
WIRING DIAGRAM

STEP 1



STEP 2

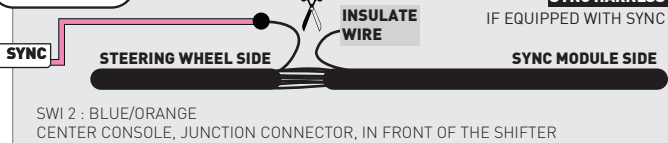
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



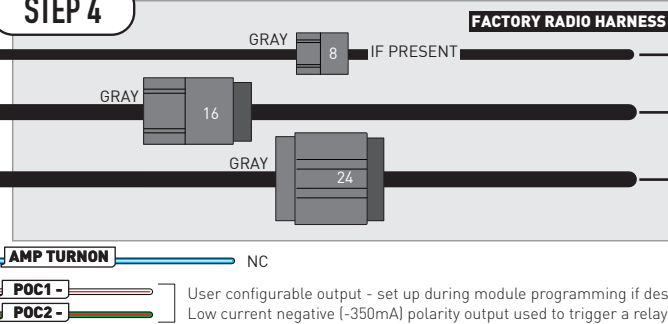
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

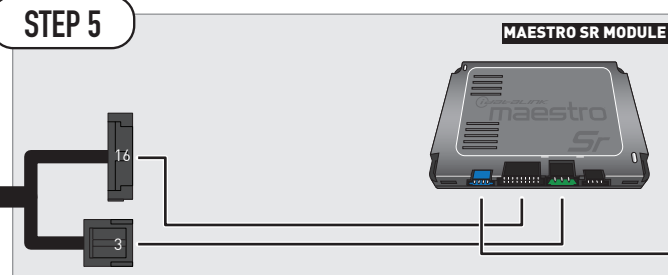
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

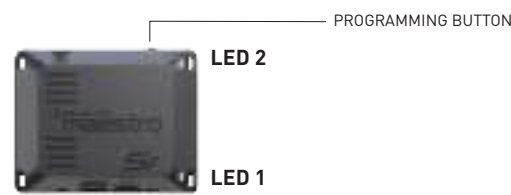
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

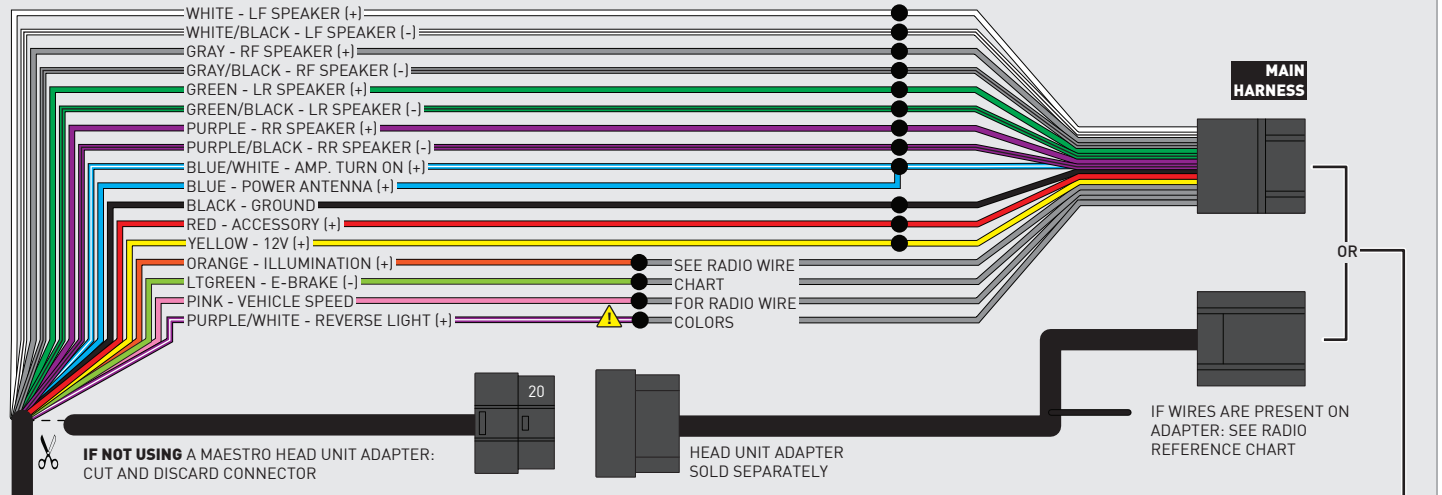
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

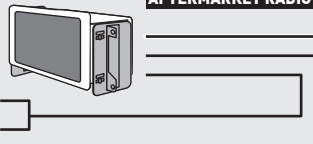
WIRING DIAGRAM

STEP 1

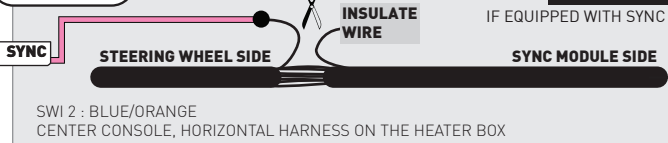


STEP 2

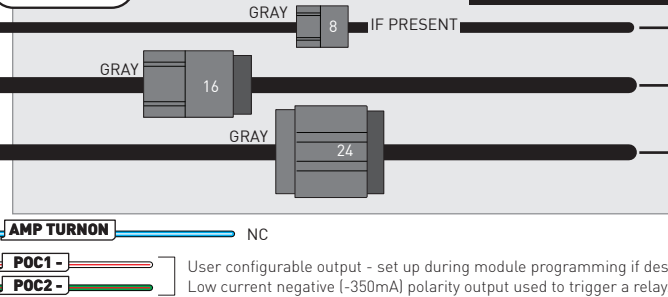
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



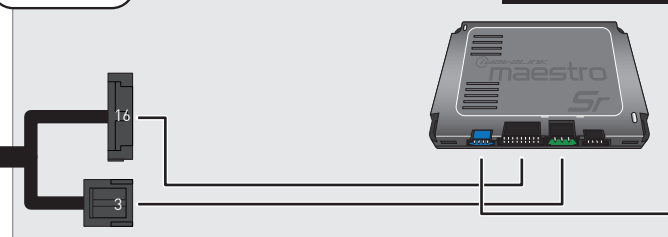
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

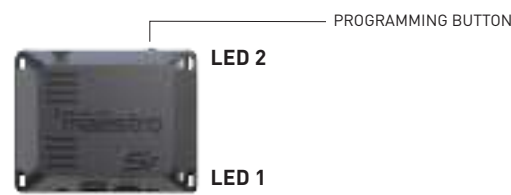
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
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Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

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Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

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Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

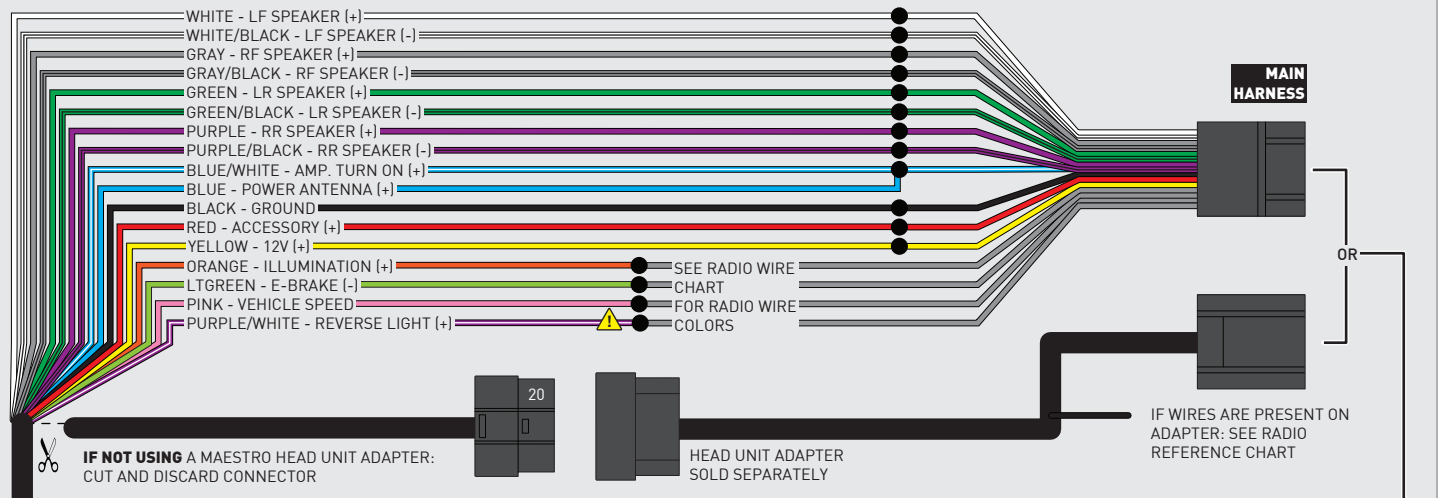
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

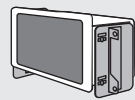
WIRING DIAGRAM

STEP 1



STEP 2

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

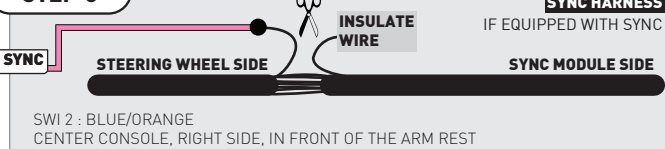


AFTERMARKET RADIO

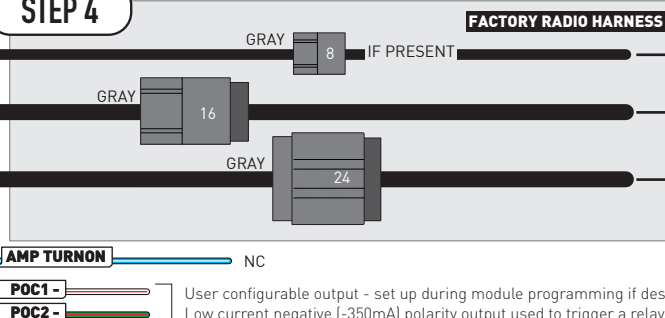
SUB 1
SUB 2

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

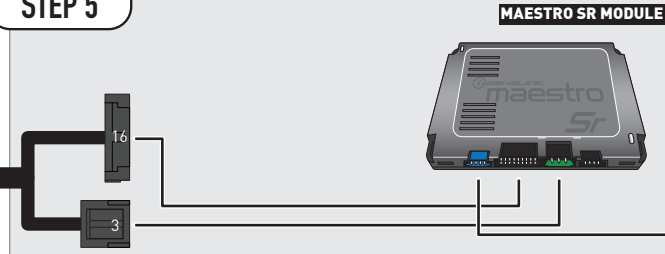
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

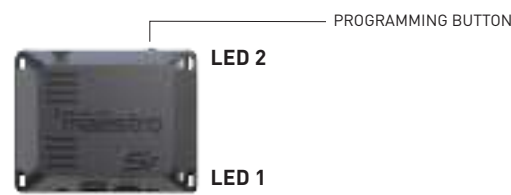
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

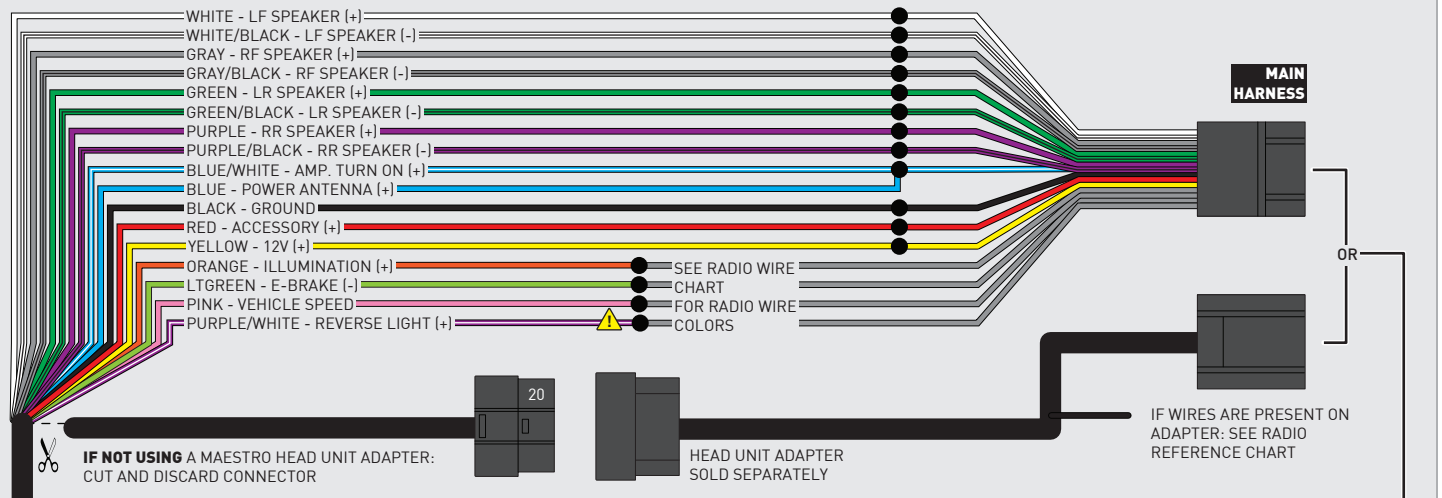
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

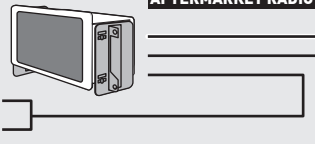
WIRING DIAGRAM

STEP 1

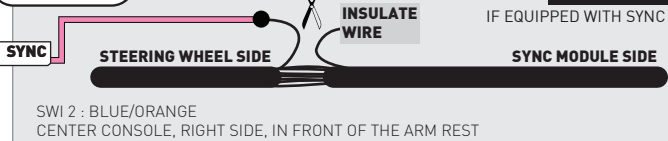


STEP 2

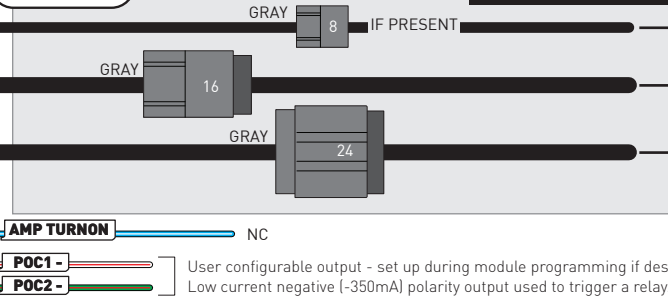
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



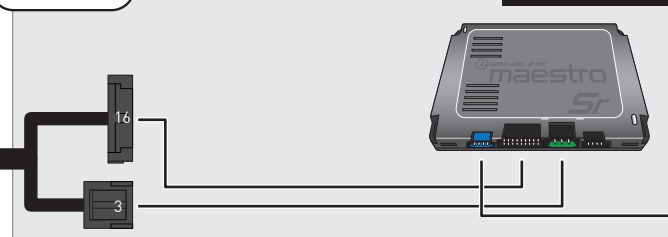
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

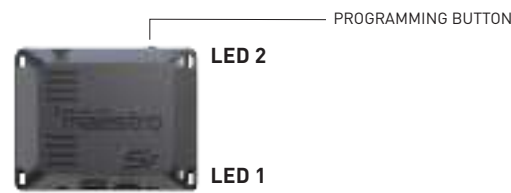
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

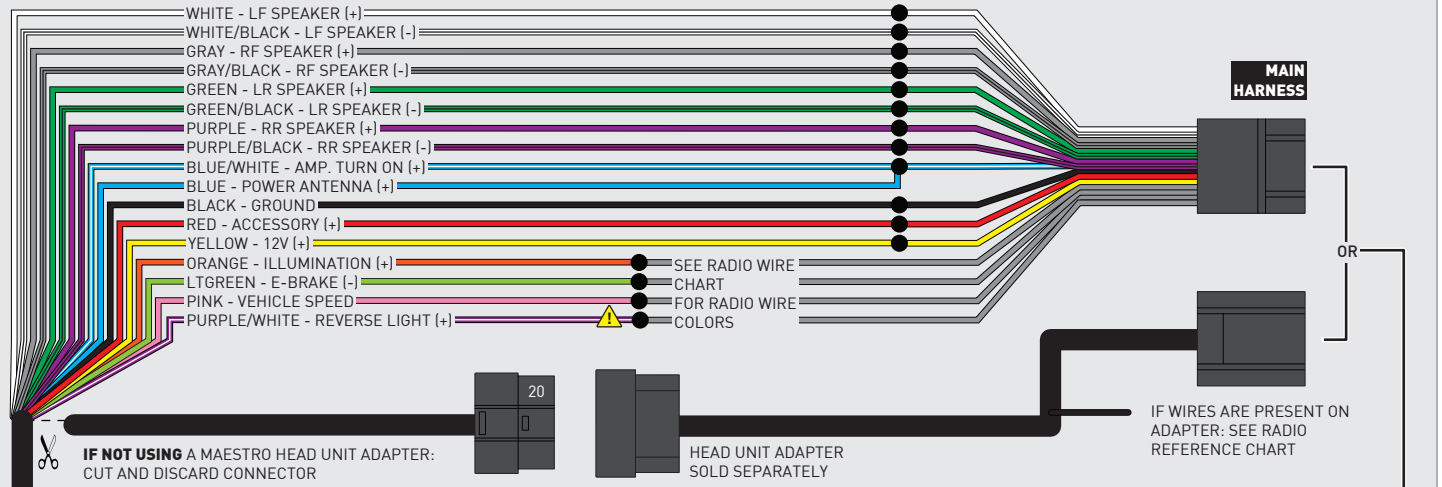
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

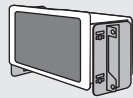
WIRING DIAGRAM

STEP 1



STEP 2

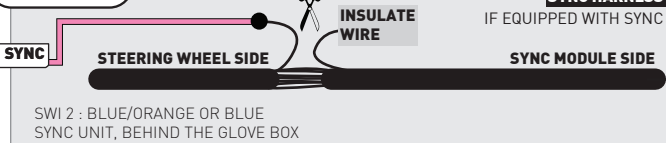
PIONEER RADIO: ENSURE THAT
 NOTHING IS PLUGGED IN W/R PORT.



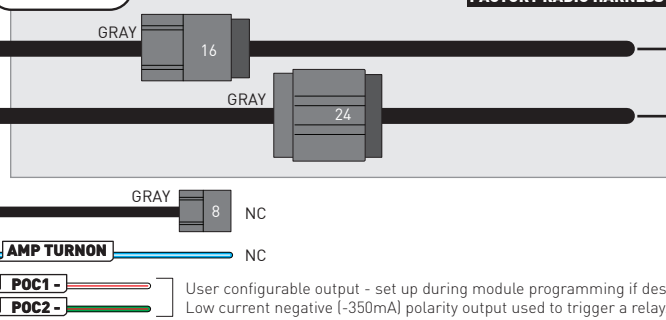
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A
 CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

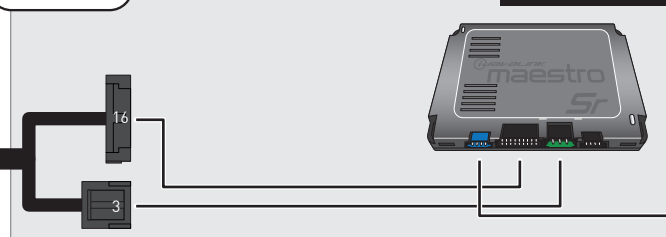
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

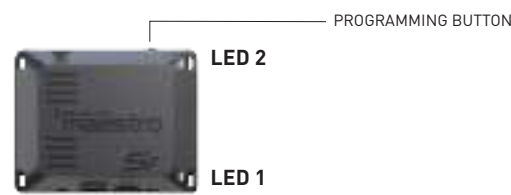
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

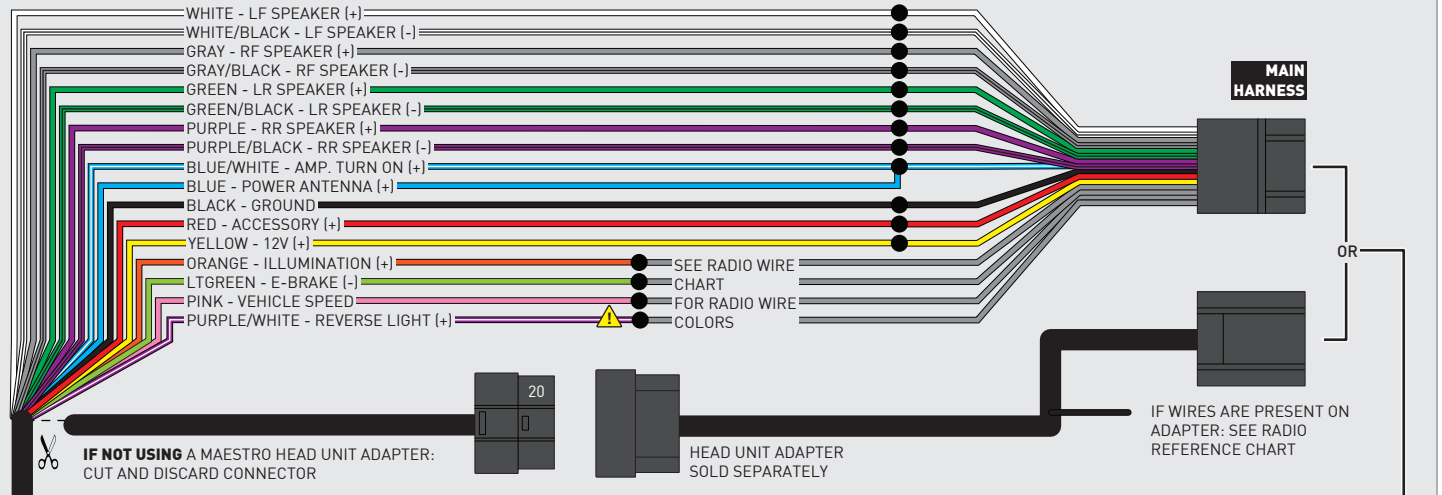
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

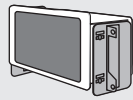
WIRING DIAGRAM

STEP 1



STEP 2

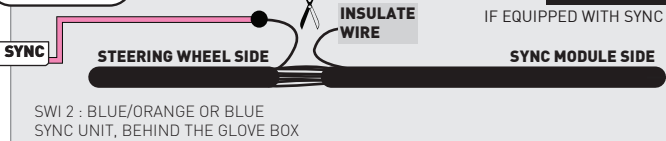
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



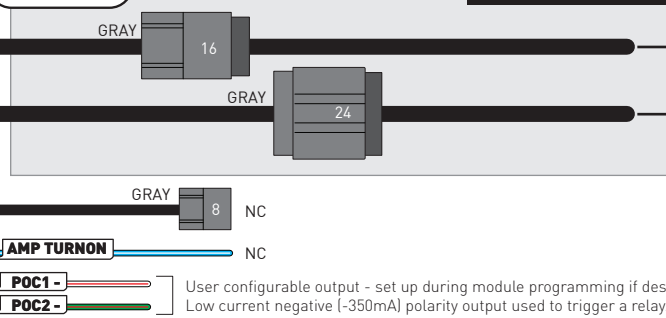
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

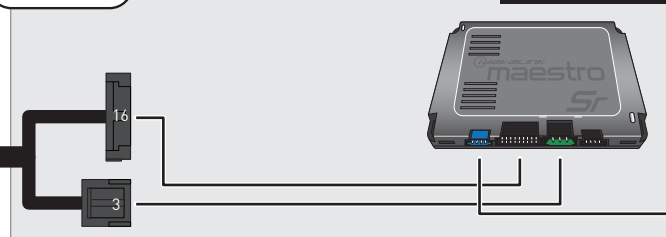
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

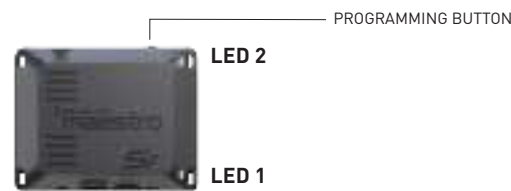
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

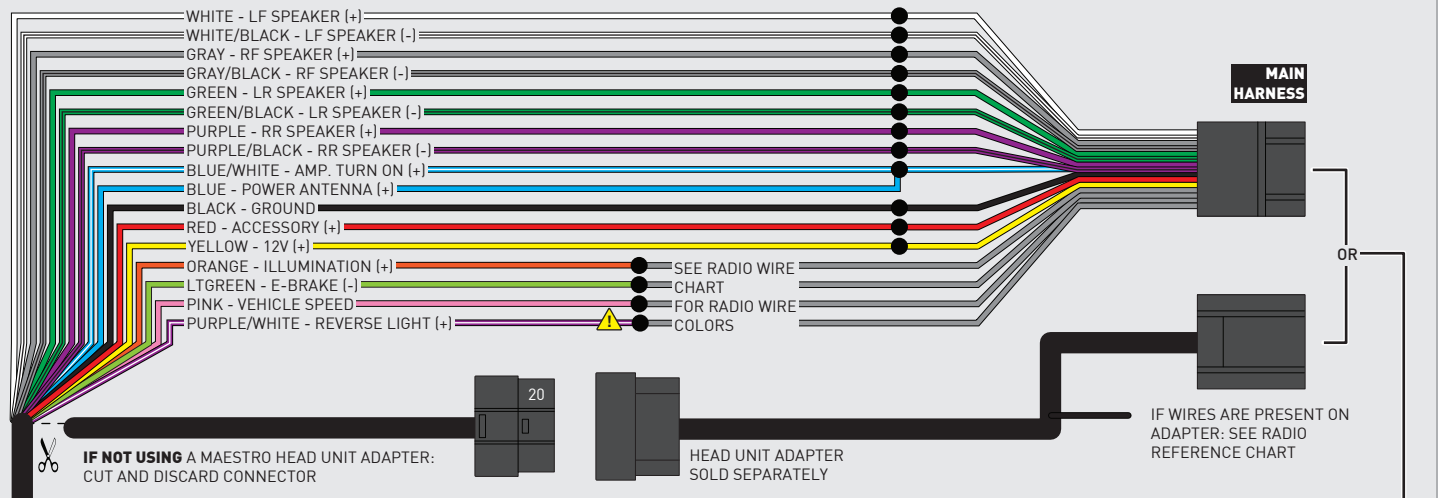
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

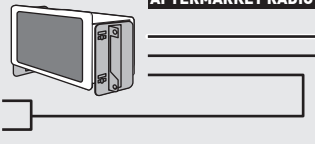
WIRING DIAGRAM

STEP 1

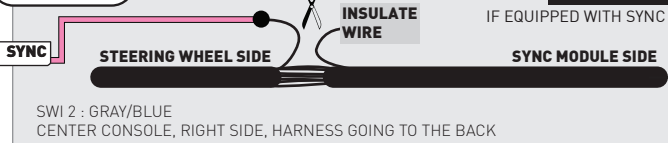


STEP 2

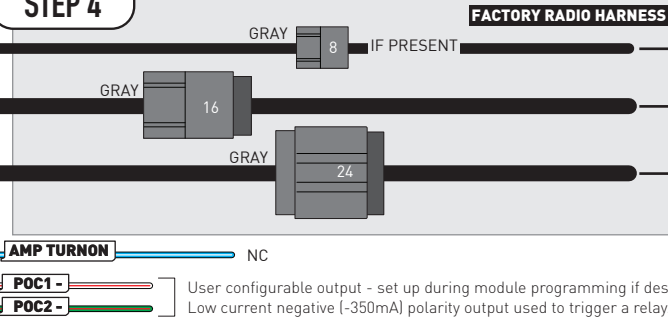
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



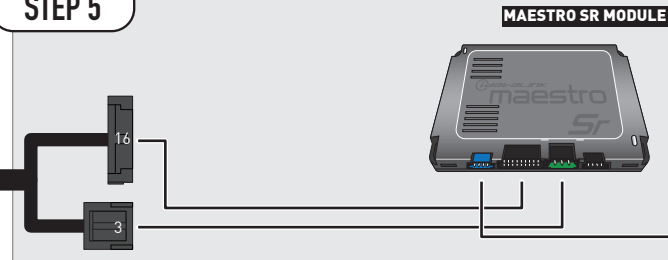
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

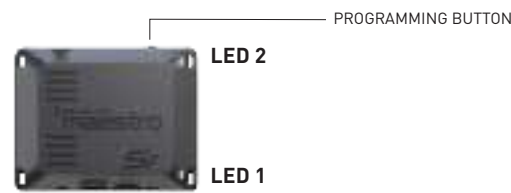
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2010-2012

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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NEED HELP?

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 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

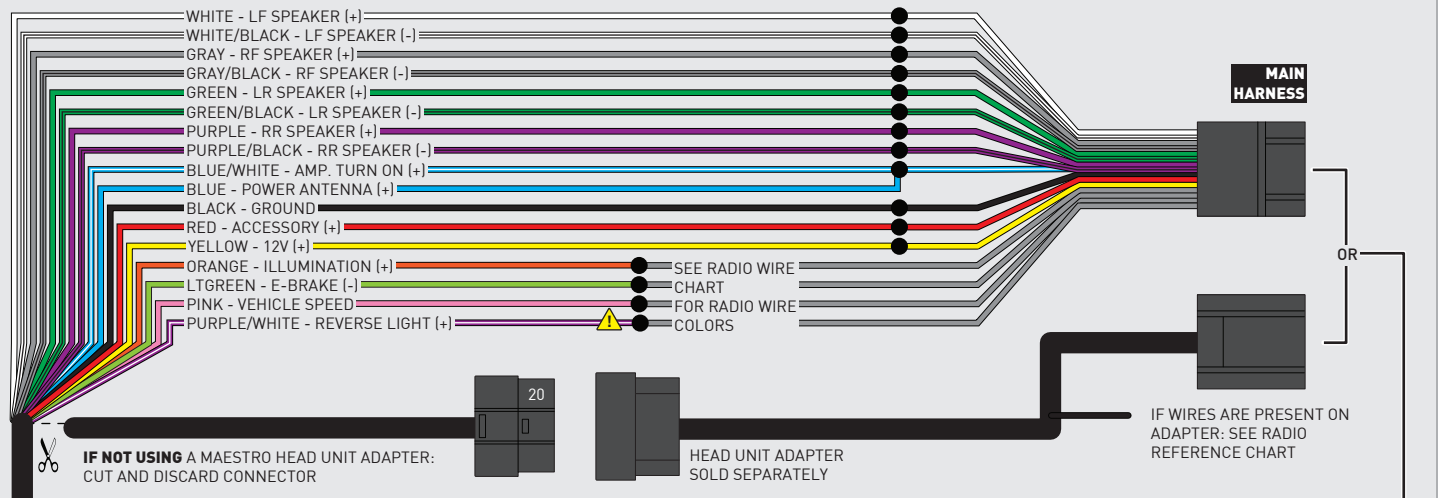
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

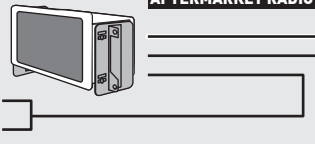
WIRING DIAGRAM

STEP 1

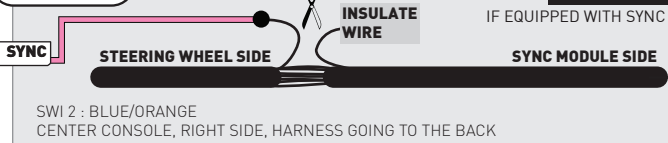


STEP 2

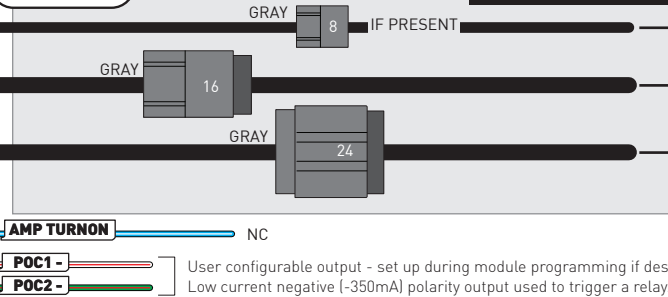
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



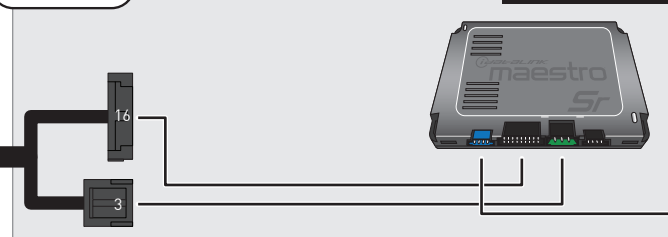
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

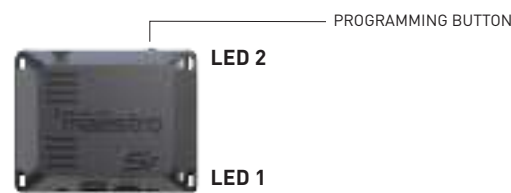
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

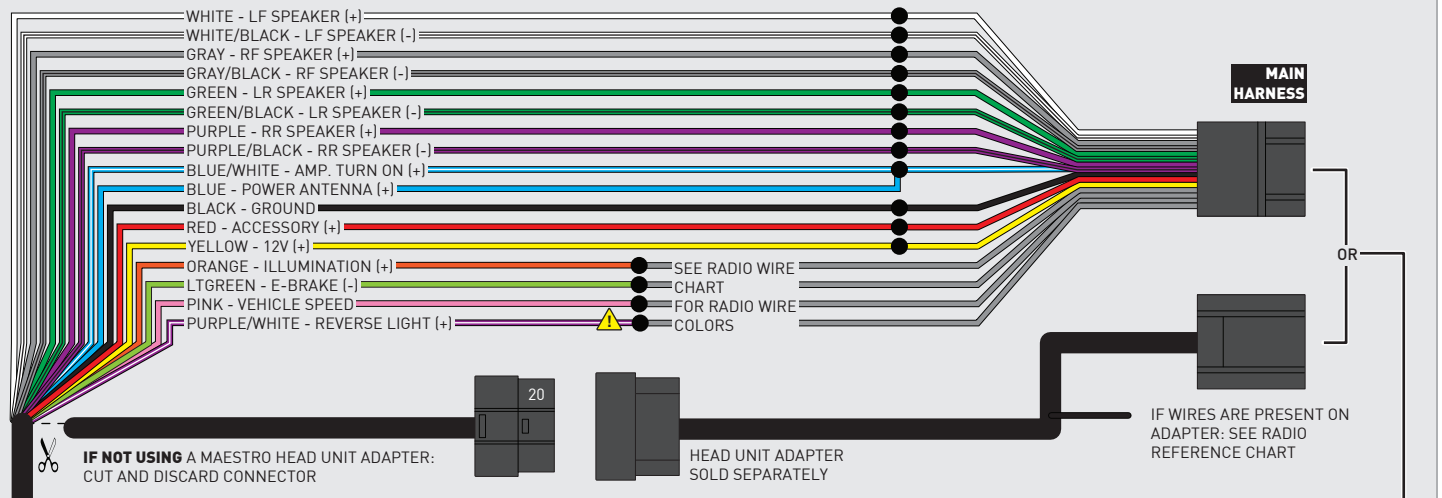
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

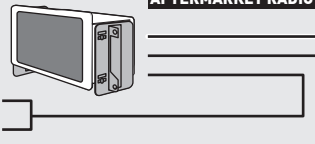
WIRING DIAGRAM

STEP 1



STEP 2

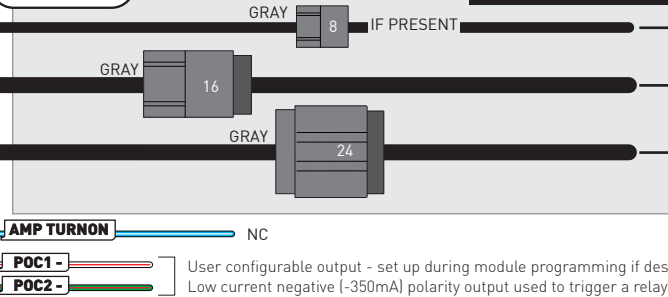
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



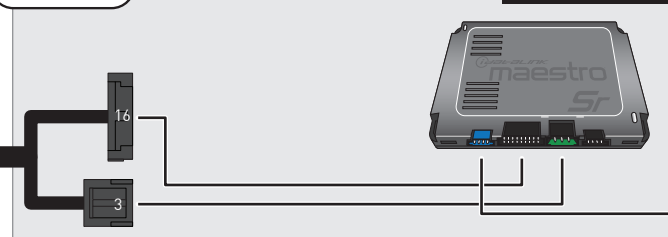
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

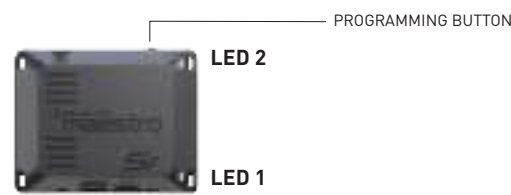
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

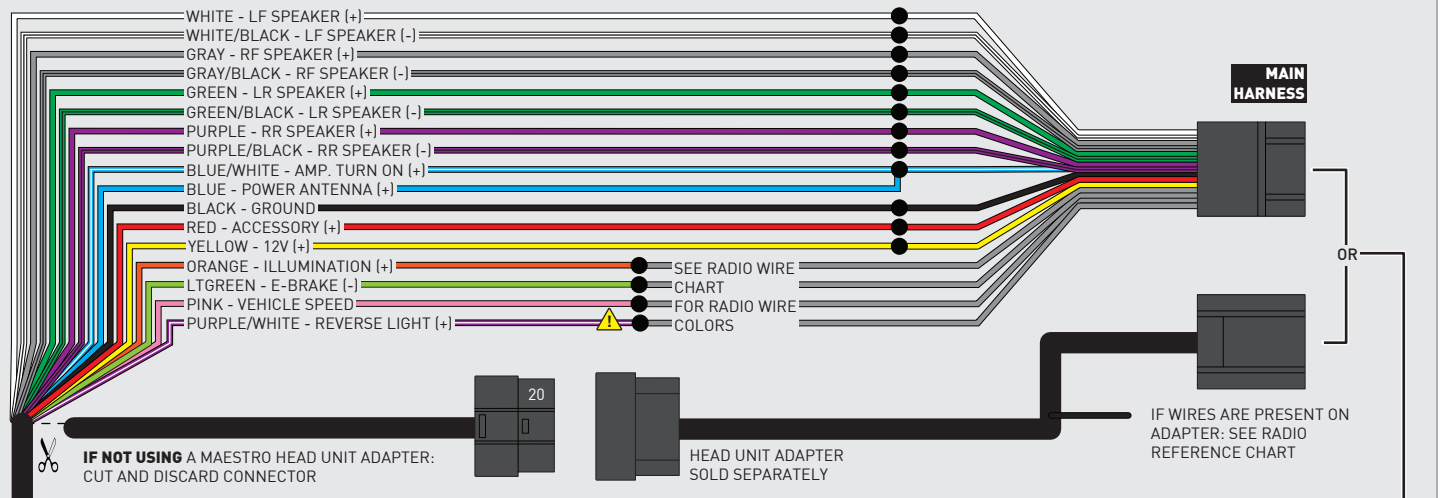
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

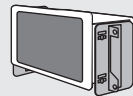
WIRING DIAGRAM

STEP 1



STEP 2

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

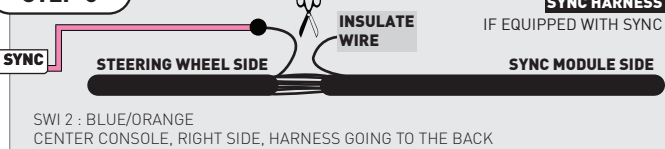


AFTERMARKET RADIO

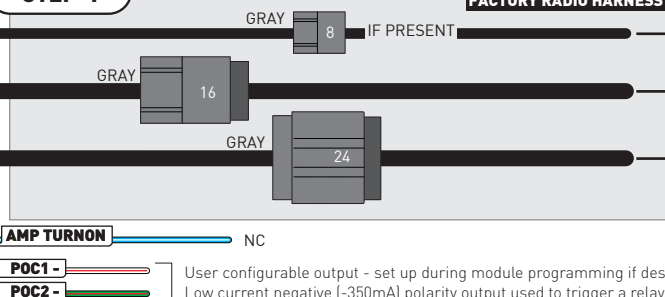
SUB 1
SUB 2

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

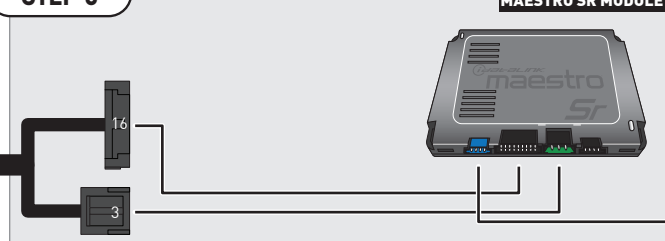
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

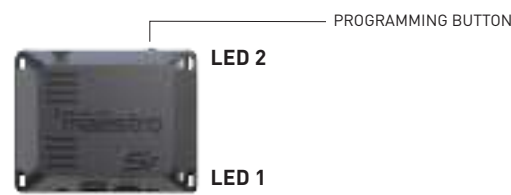
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

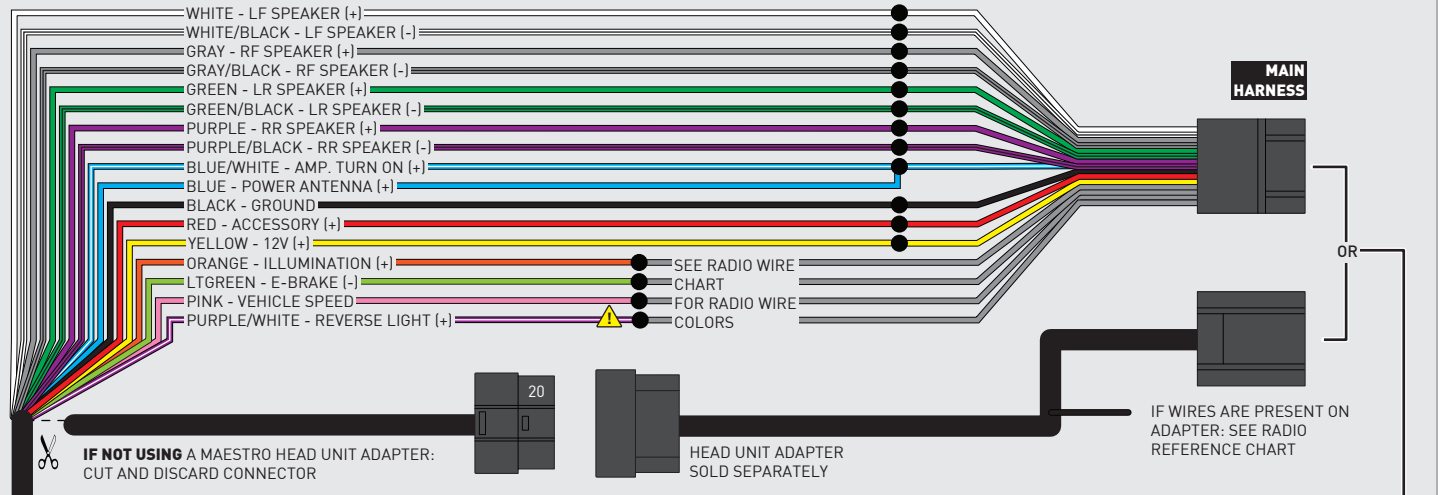
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

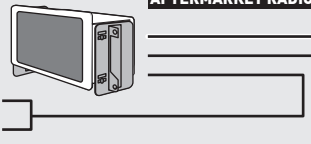
WIRING DIAGRAM

STEP 1



STEP 2

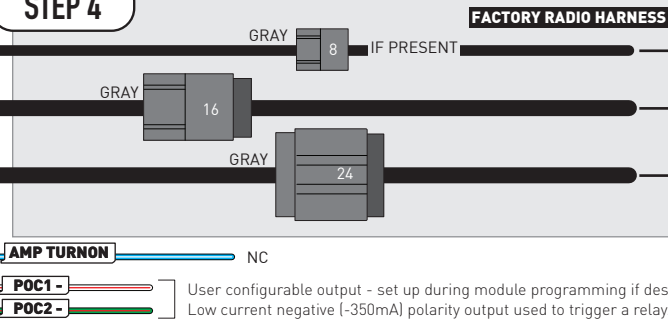
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



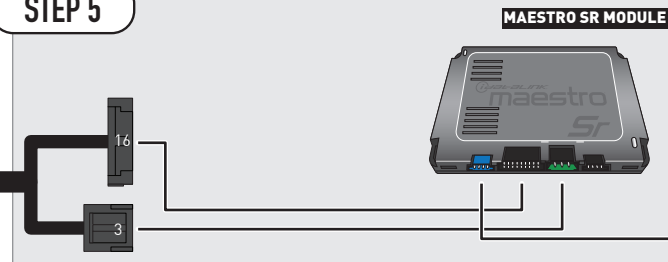
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

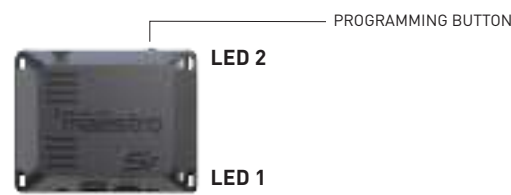
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

2007-2010

LINCOLN MKX

WITHOUT FACTORY NAV

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



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**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

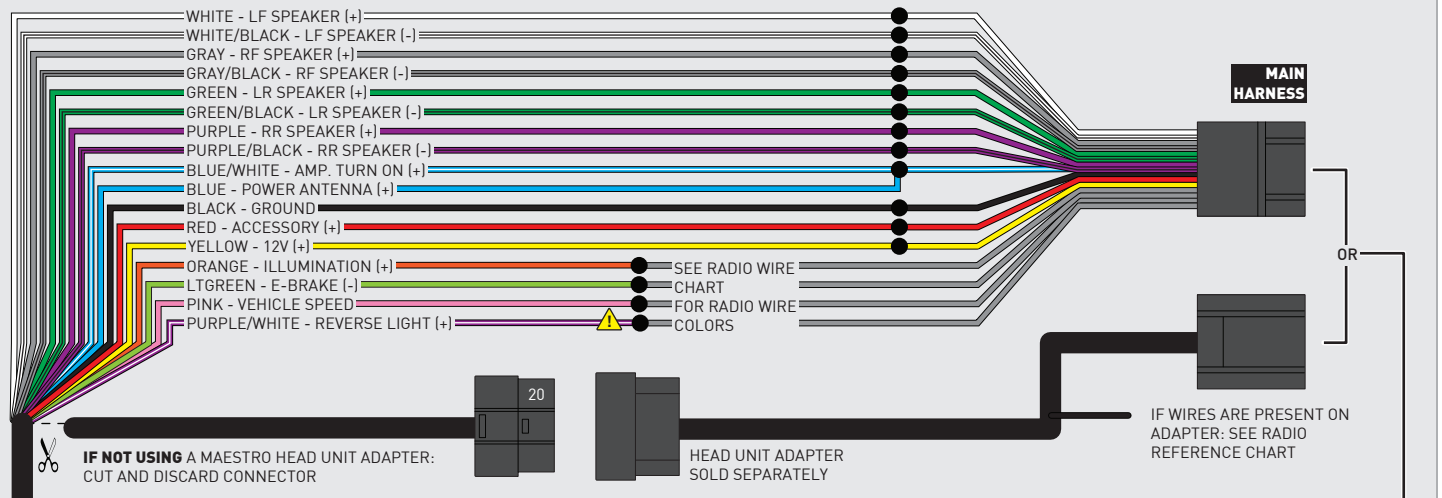
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

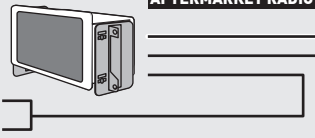
WIRING DIAGRAM

STEP 1



STEP 2

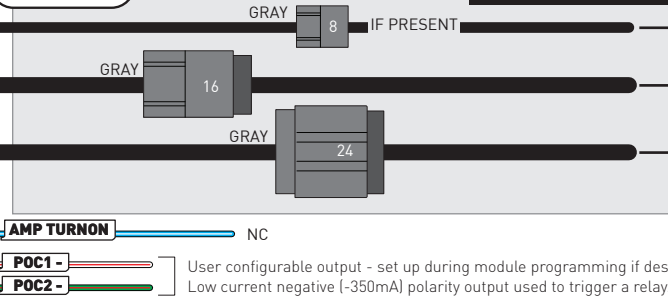
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



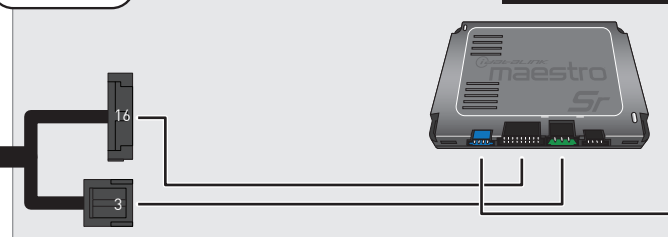
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

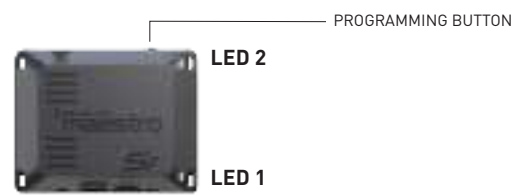
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
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Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

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iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

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Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

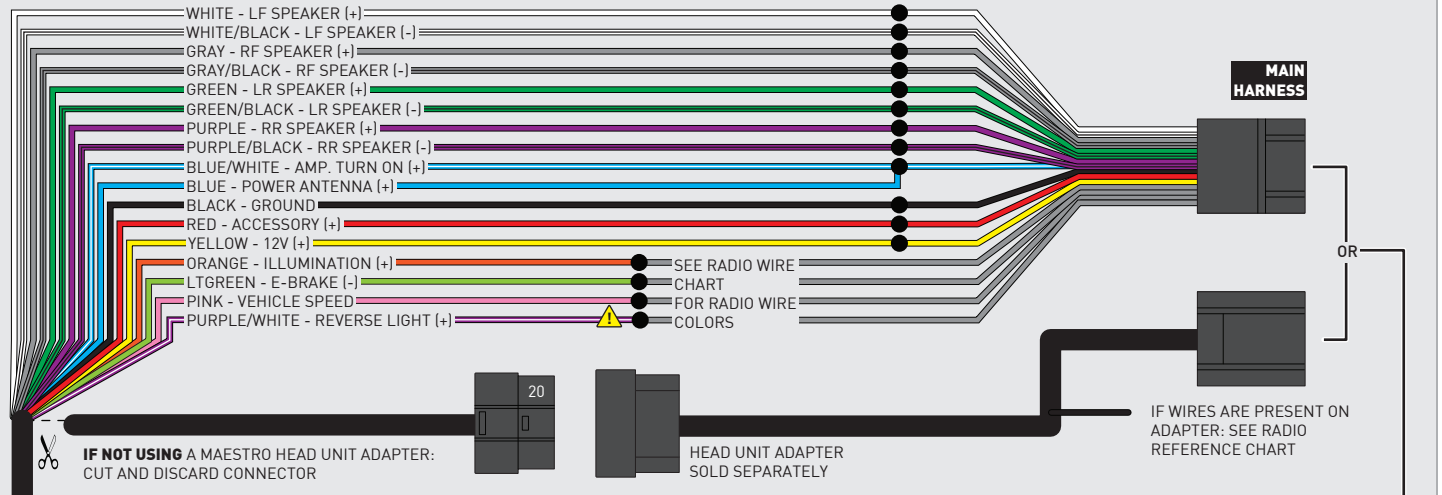
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

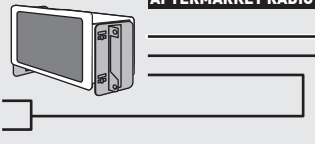
WIRING DIAGRAM

STEP 1



STEP 2

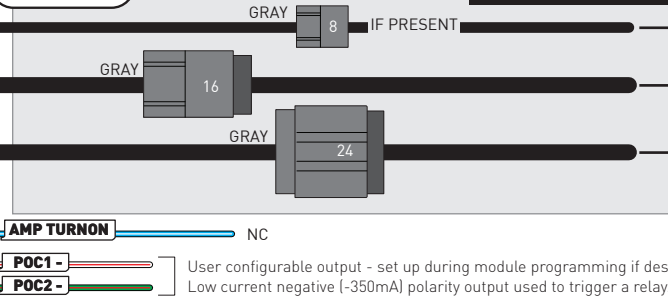
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



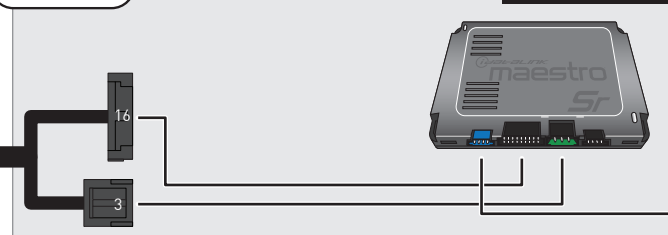
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

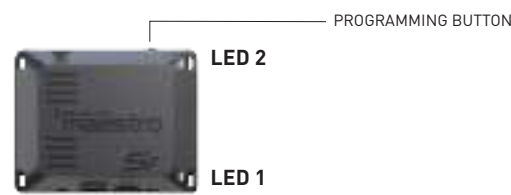
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

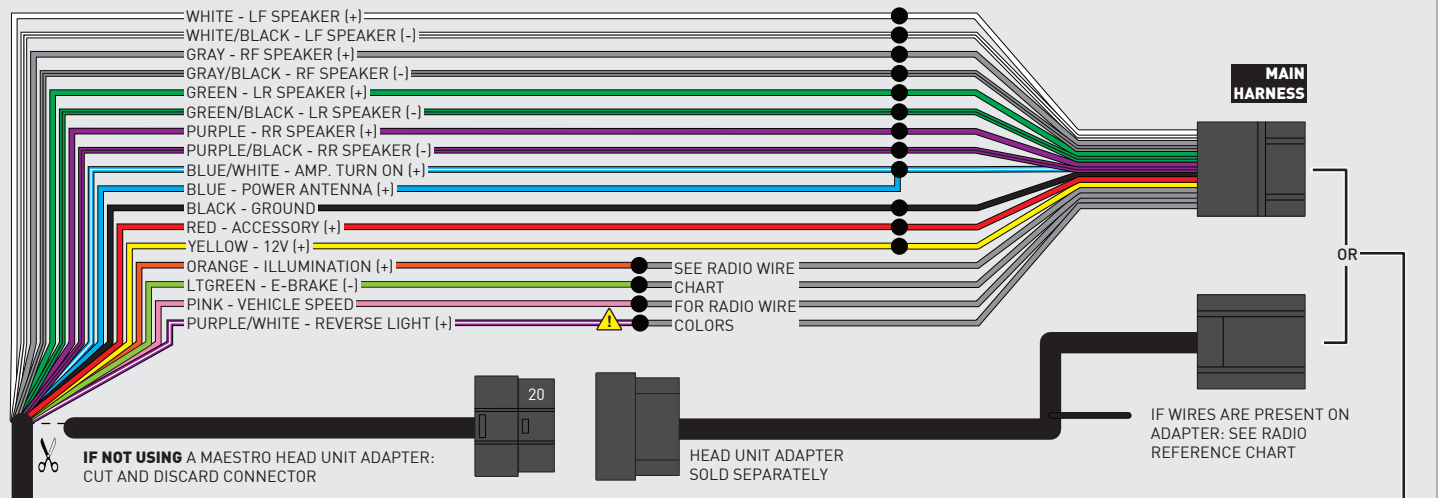
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

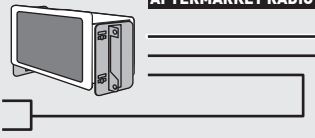
WIRING DIAGRAM

STEP 1

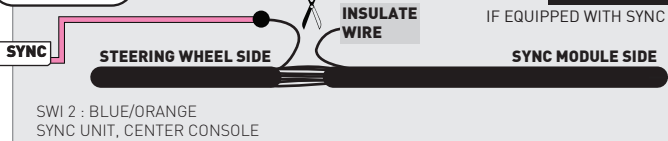


STEP 2

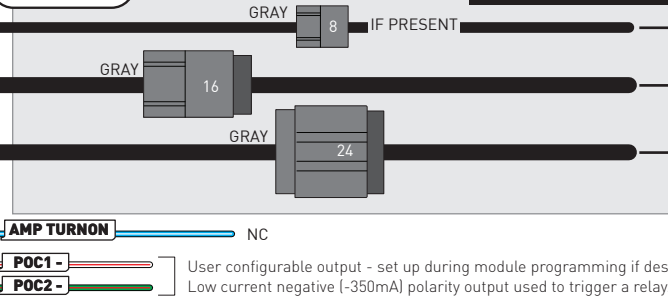
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



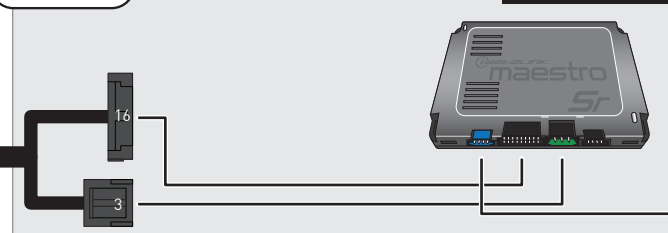
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

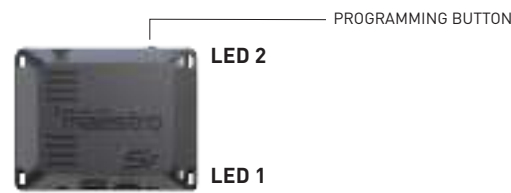
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

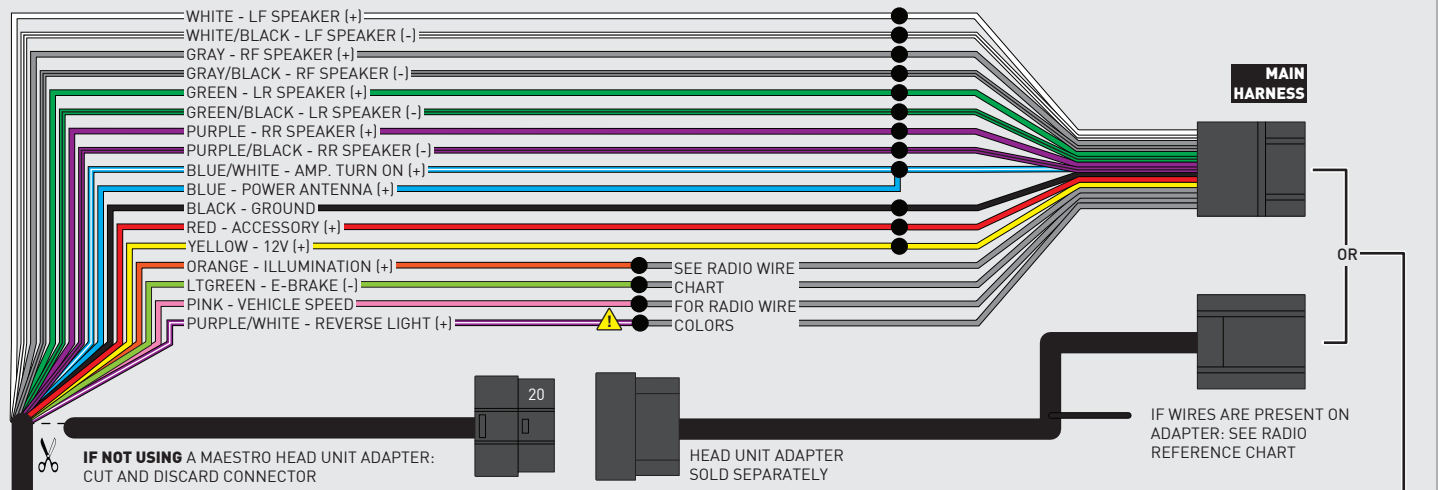
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

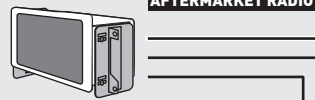
WIRING DIAGRAM

STEP 1



STEP 2

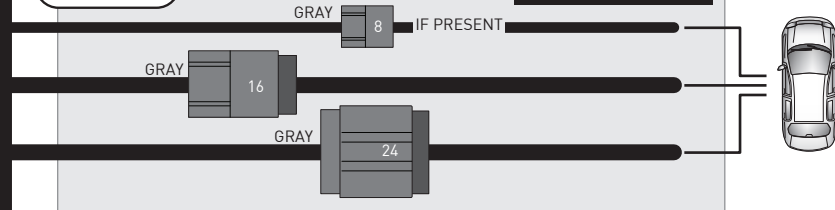
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

FACTORY RADIO HARNESS



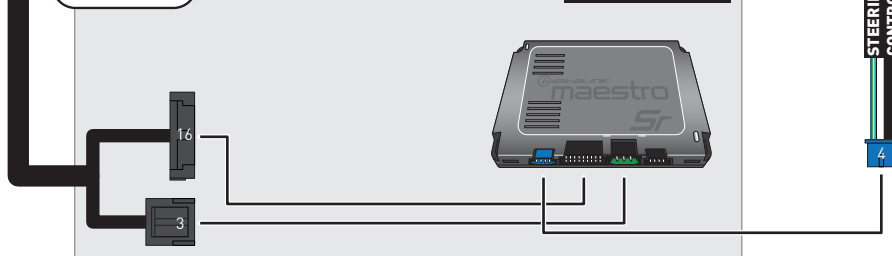
SYNC NC

AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative (-350mA) polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

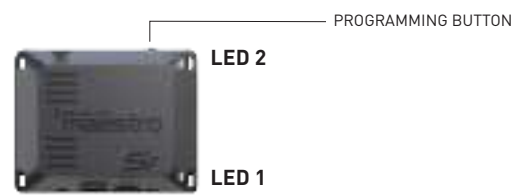
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

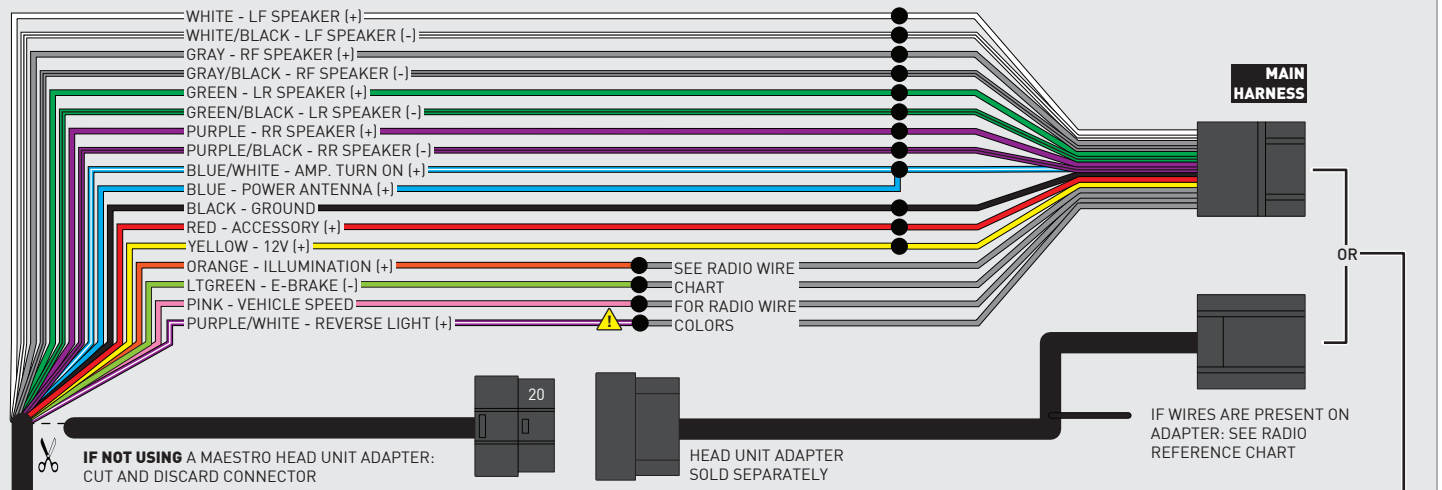
STEP 4

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

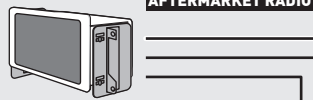
WIRING DIAGRAM

STEP 1



STEP 2

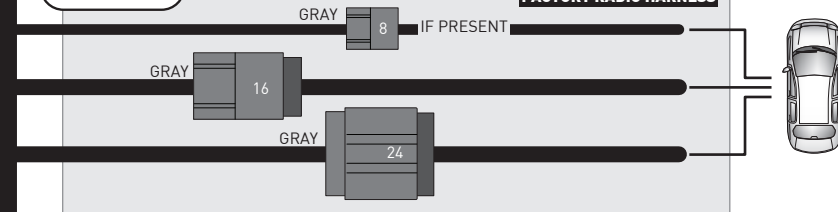
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

STEP 3

FACTORY RADIO HARNESS



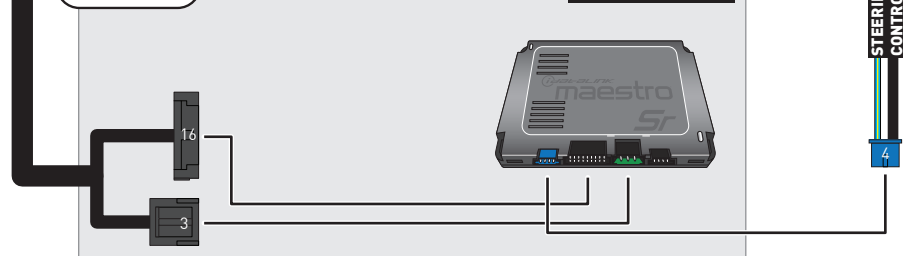
SYNC NC

AMP TURNON NC

POC1 - User configurable output - set up during module programming if desired.
POC2 - Low current negative (~350mA) polarity output used to trigger a relay.

STEP 4

MAESTRO SR MODULE



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

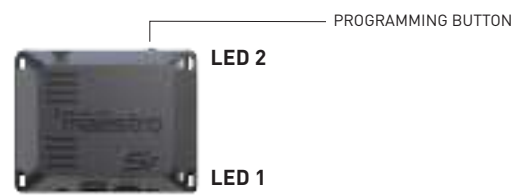
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

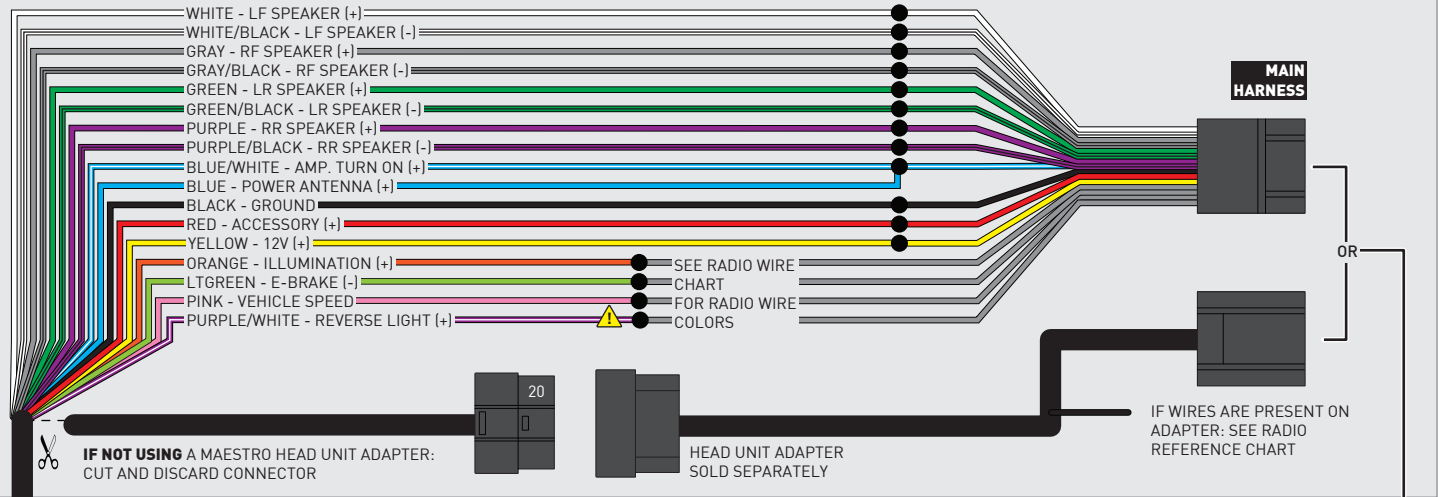
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

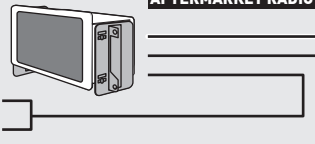
WIRING DIAGRAM

STEP 1

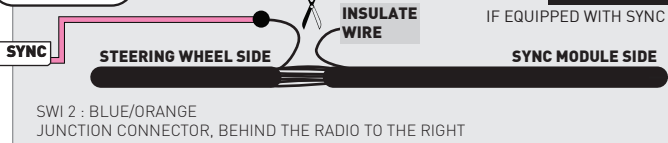


STEP 2

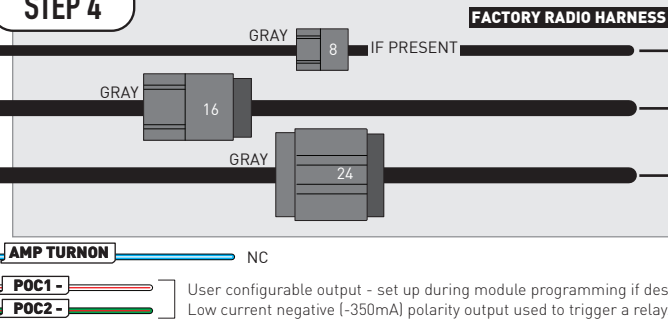
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



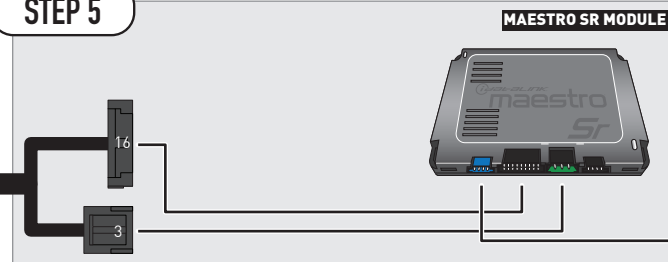
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.

Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

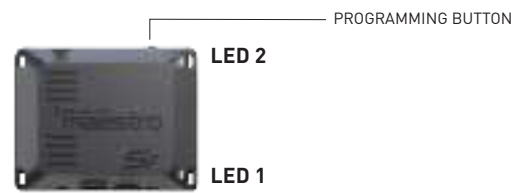
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
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NOTES:

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STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

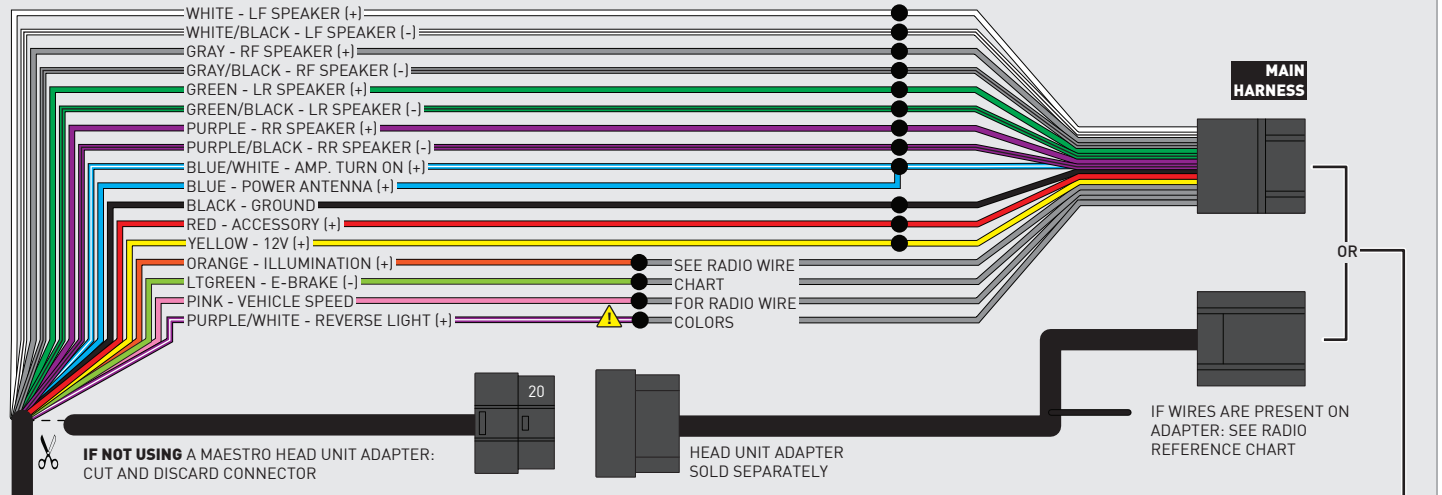
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

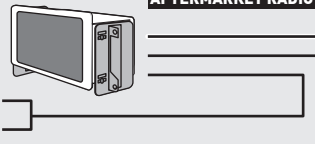
WIRING DIAGRAM

STEP 1

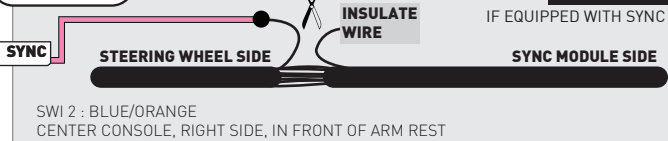


STEP 2

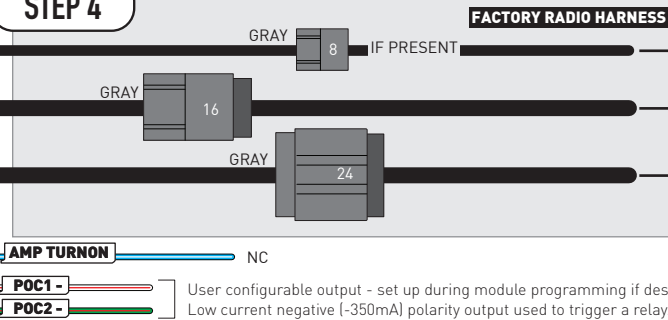
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



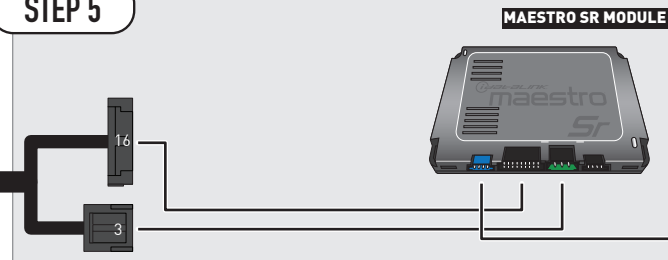
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

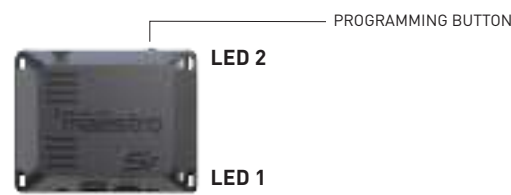
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

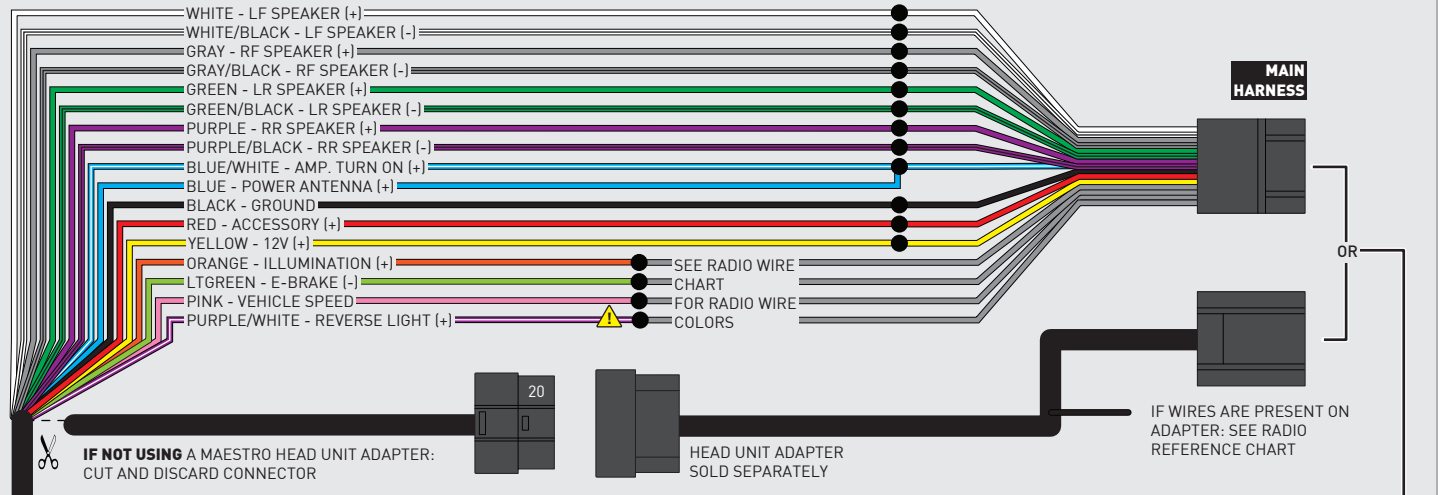
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

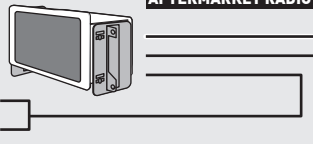
WIRING DIAGRAM

STEP 1

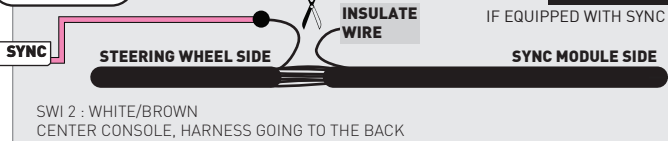


STEP 2

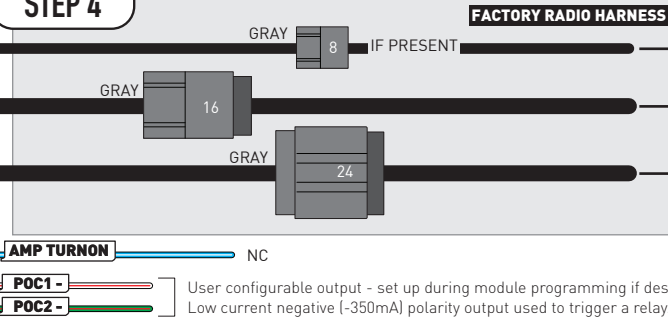
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



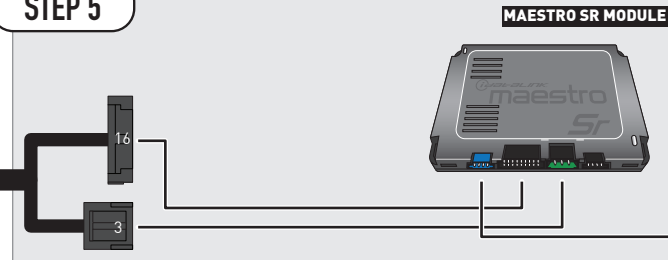
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

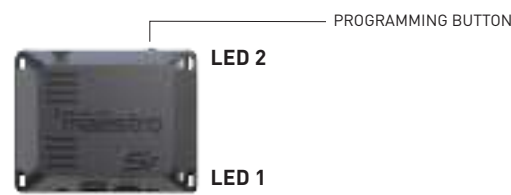
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Preset): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER AND MORE!



+



**HEAD UNIT
ADAPTER READY**

PRODUCTS REQUIRED

iDataLink Maestro SR Radio Replacement Interface
iDataLink Maestro SR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-SR-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro SR 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 SR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

Installation, product information, vehicle specific videos.

[VIDEO HELP](#)



Last flash information, steering control configuration, vehicle information.

[VERIFY FLASH](#)



Software to program module.

[WEBLINK](#)



INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect SR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the SR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the SR-F01 T-harness and match the wire functions.

Note: Purple/white is a low current positive output used to trigger the radio only. Do NOT connect to anything other than the radio's reverse input. Refer to radio wire chart for radio's reverse light wire color.

If no camera is installed/desired, do not connect the radio's reverse wire. If installing an aftermarket camera, do NOT connect power for the camera to the Maestro's purple/white wire or module damage will occur.

STEP 2

- Plug the harnesses into the aftermarket radio.
- Connect the steering wheel control cable to the aftermarket radio. Connect either the blue/yellow wire (Kenwood/JVC or radios with SWI/KEY wires) or the 3.5mm to the steering control input of the radio (see Radio Wire Reference Chart for more details).
- Insert the RCA connectors into the aftermarket radio.

WITH FACTORY AMPLIFIER:

NOTES:

- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only:** The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only:** The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 3

Vehicles equipped with SYNC:

Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.

- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the

radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.

- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 4

- Connect the factory radio harness to the SR-F01 T-harness.

Note: If vehicle is not equipped with a factory amplifier, the 8 pin plug will NOT be present/required.

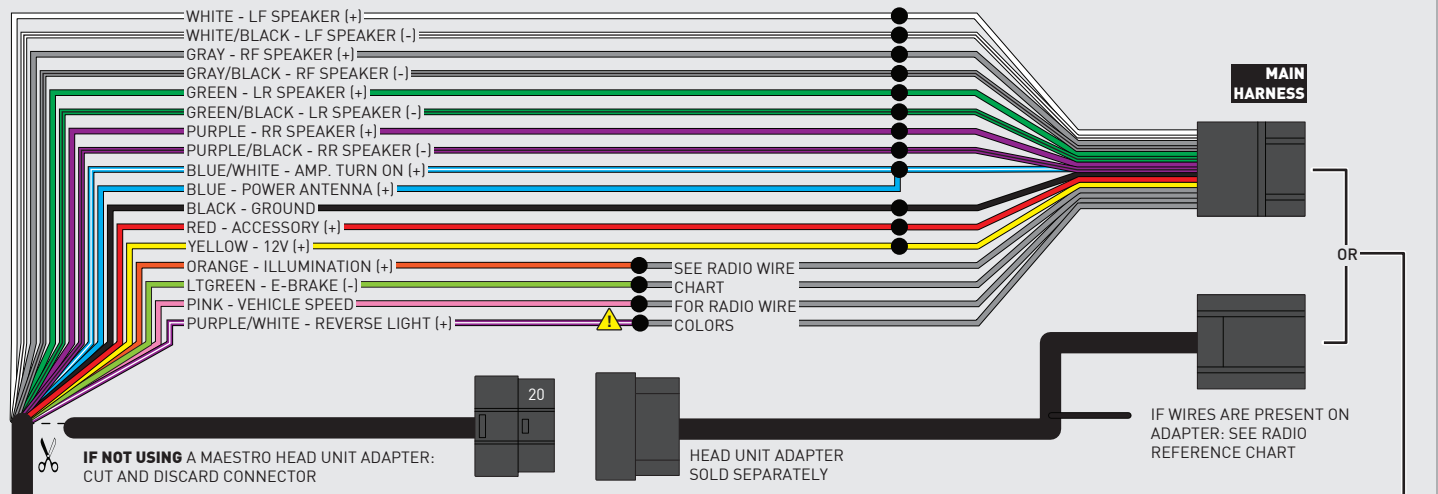
STEP 5

- Connect the SR-F01 harness to the Maestro SR module.
- Connect the steering wheel control cable.

Test your installation.

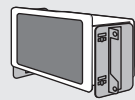
WIRING DIAGRAM

STEP 1



STEP 2

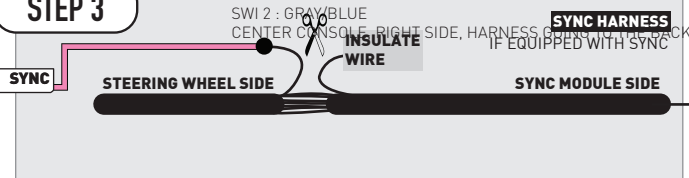
PIONEER RADIO: ENSURE THAT NOTHING IS PLUGGED IN W/R PORT.



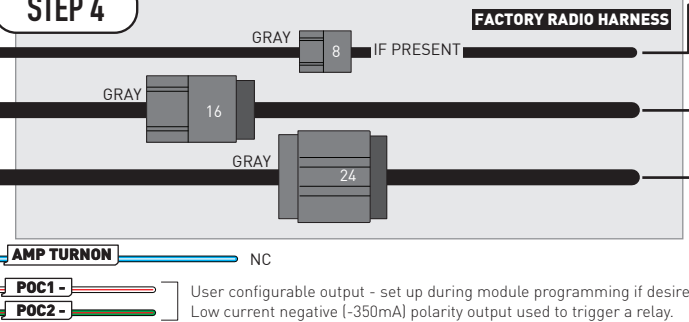
AFTERMARKET RADIO

ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR.

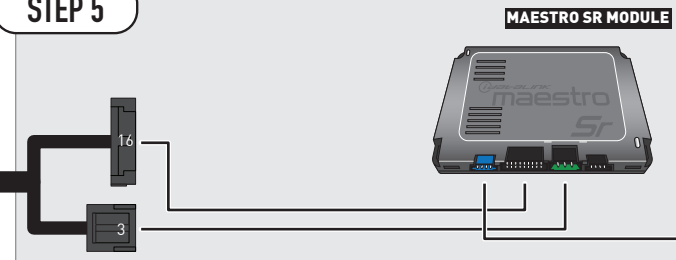
STEP 3



STEP 4



STEP 5



NOT REQUIRED



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/JVC 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
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarket radio guide. Some radios may not be equipped with all wires listed.

Description	Polarity	Maestro Steering Wheel Control wire	Radio with Steering Wheel Control Port	*Alpine Radio With SWI1, SWI2, Ground Wires	JVC or Kenwood	*Other Radio Brands With SWI1, SWI2, Ground Wires OR Key1, Key2, Ground Wires
Maestro Steering Wheel Control Cable	(DATA)	3.5mm Jack	3.5mm SWC Input Port	Not Connected (secure the jack)	Not Connected (secure the jack)	Not Connected (secure the jack)
	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

*Manually learn the buttons to the radio in the radio steering wheel control menu.

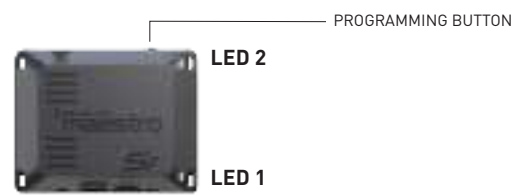
Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 Bluetooth activity	LED STATUS	DIAGNOSTIC
or		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	Verify the buttons are set up in the flash. If any button is set to "none" for "press once", it will do nothing. "Hold" column can be left as none and the "press once" function will operate with one press and when holding the button. Ensure the blue 4-pin steering wheel control cable is connected between the Maestro and the radio. The radio will use either the 3.5mm jack OR the blue/yellow wire, not both. Connect the 3.5mm jack from the Maestro blue 4-pin cable to the radio's 3.5mm port (labeled steering, remote, or wheel). If no such port exists, wire the blue/yellow to blue/yellow (Kenwood/JVC) or to the radio's Key 1 wire (brands not listed/other) and secure the 3.5mm jack. It will not be used. Refer to radio's owner's manual to verify if the radio has this function: Alpine models with button learning (SWI1/2/GND wires on back of radio): Connect blue/yellow wire from the blue 4-pin to the radio's SWI1 input. Manually learn the buttons to the radio in the radio steering wheel control menus. JVC/Kenwood - Steering Wheel Control (ON/OFF): choose ON Nakamichi - if model is listed, ensure PAC mode is on. If "other", learn the buttons in the radio steering wheel menu. Sony - Steering Wheel Control (Custom/Presets): choose Preset. If phone buttons do not operate properly, flash the module as Pioneer - 2009 and newer with BT. Then select "custom" instead of "preset" and learn the buttons in the radio menu. Other brands - radio should have a steering wheel menu to learn the buttons. You may have to select type A/B/C/1/2/3 and try learning again if buttons are not saving. Refer to radio manufacturer's tech support for further advice if not learning properly.
Radio does not turn on.	Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow. If installing a modular radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect BROWN/RED and BROWN/YELLOW wires from the F01's 16-pin plug to: BROWN/RED TO OBDII PIN 3 - GRAY/ORANGE BROWN/YELLOW TO OBDII PIN 11 - VIOLET/ORANGE
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to written instruction for SWI2 testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.

MAESTRO SR RESET PROCEDURE:

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

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.