SELECT VEHICLE
PRINT PAGES NEEDED

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 RR2 according to the guide for your vehicle.

WARNING

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

INSTALL GUIDE

2019-2022
SUBARU ASCENT

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR2 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 RR2 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

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

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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

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

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

STEP 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

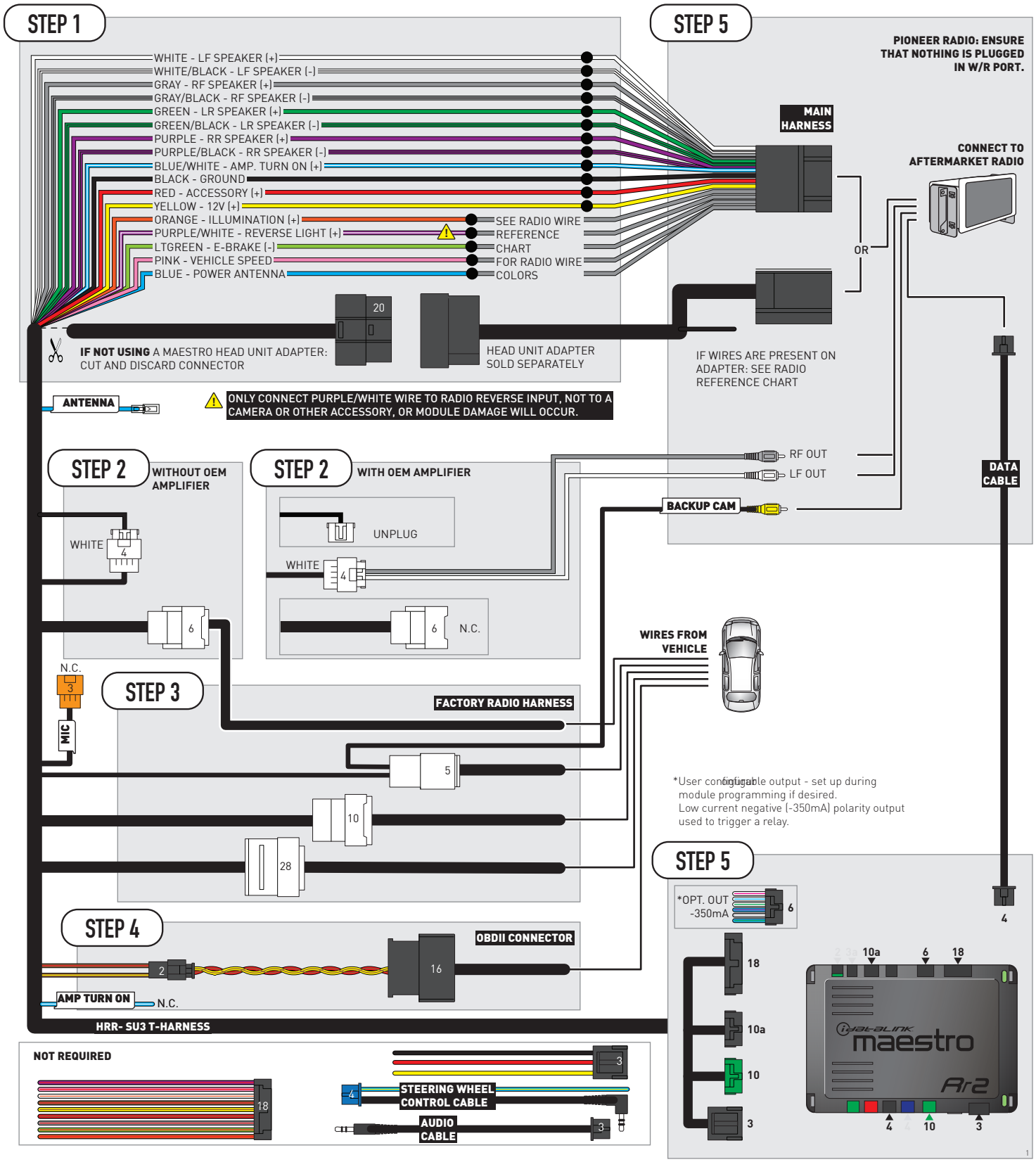
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - Tap left side of radio screen or SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - Tap right side of radio screen or SEEK UP on the steering wheel.

Note: On-screen controls require a radio that supports touch screen control of the camera, but the steering wheel controls will work regardless of radio**.**

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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

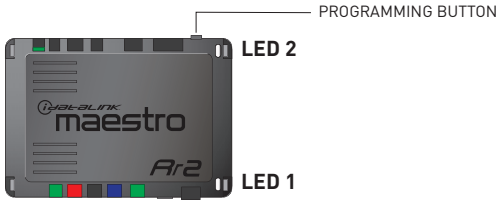
* Reverse light wire: Only connect to radio or module damage will occur.

Head unit adapter wiring (optional accessory, sold separately)

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

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 NOT 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
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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 RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.
The Harman Kardon system has no sound. (if applicable)	Ensure the **BLUE/WHITE** amp turn-on wire is connected. Ensure the 6-pin connector (the plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.

MAESTRO RR2 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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INSTALL GUIDE

2018-2023
SUBARU CROSSTREK

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

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ADAPTER READY

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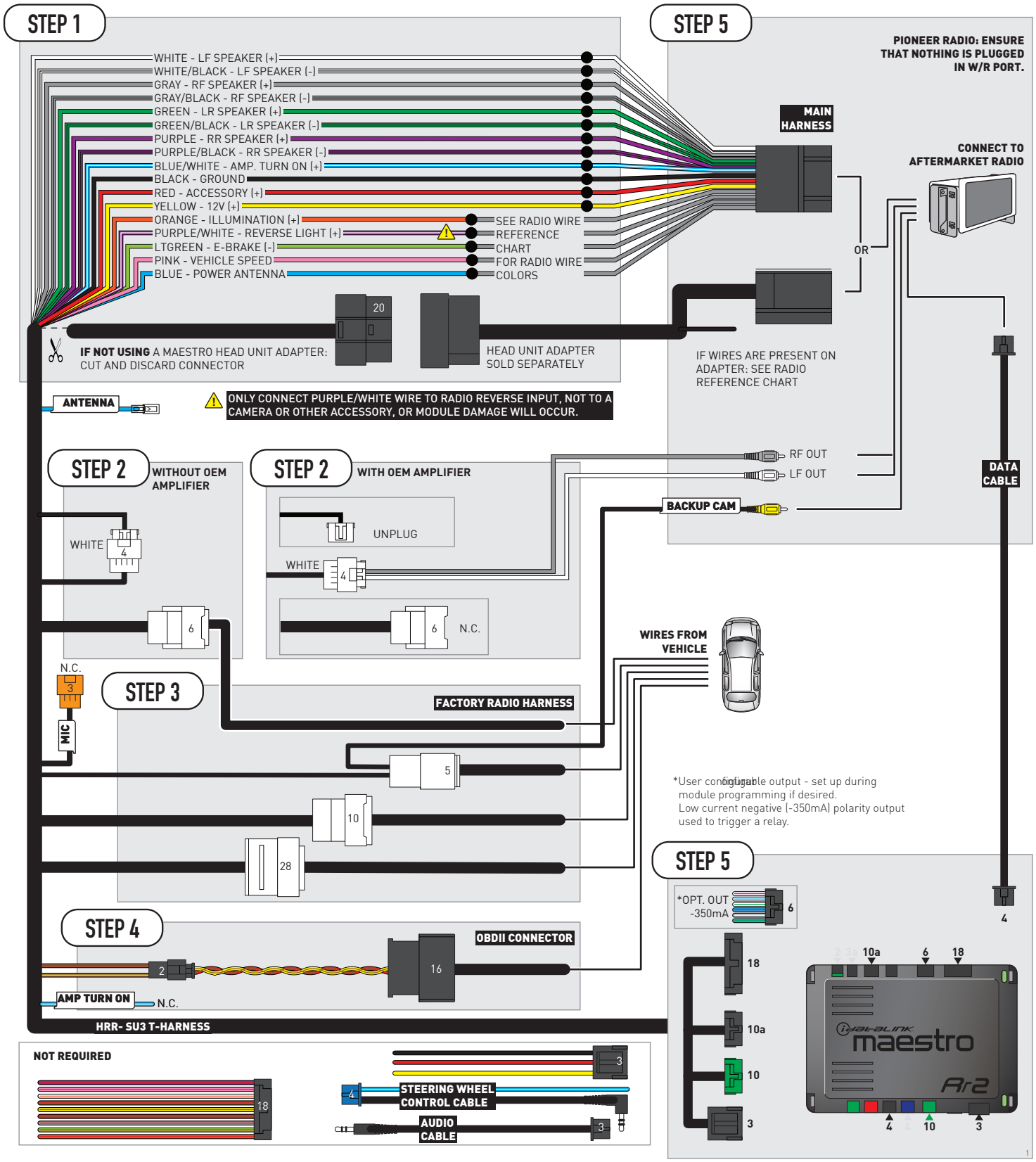

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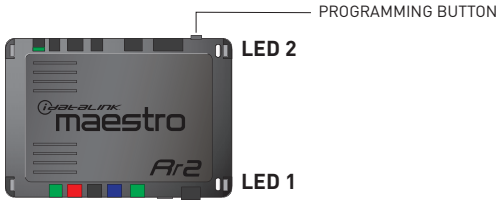

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INSTALL GUIDE

2019-2023
SUBARU FORESTER

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

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ADAPTER READY

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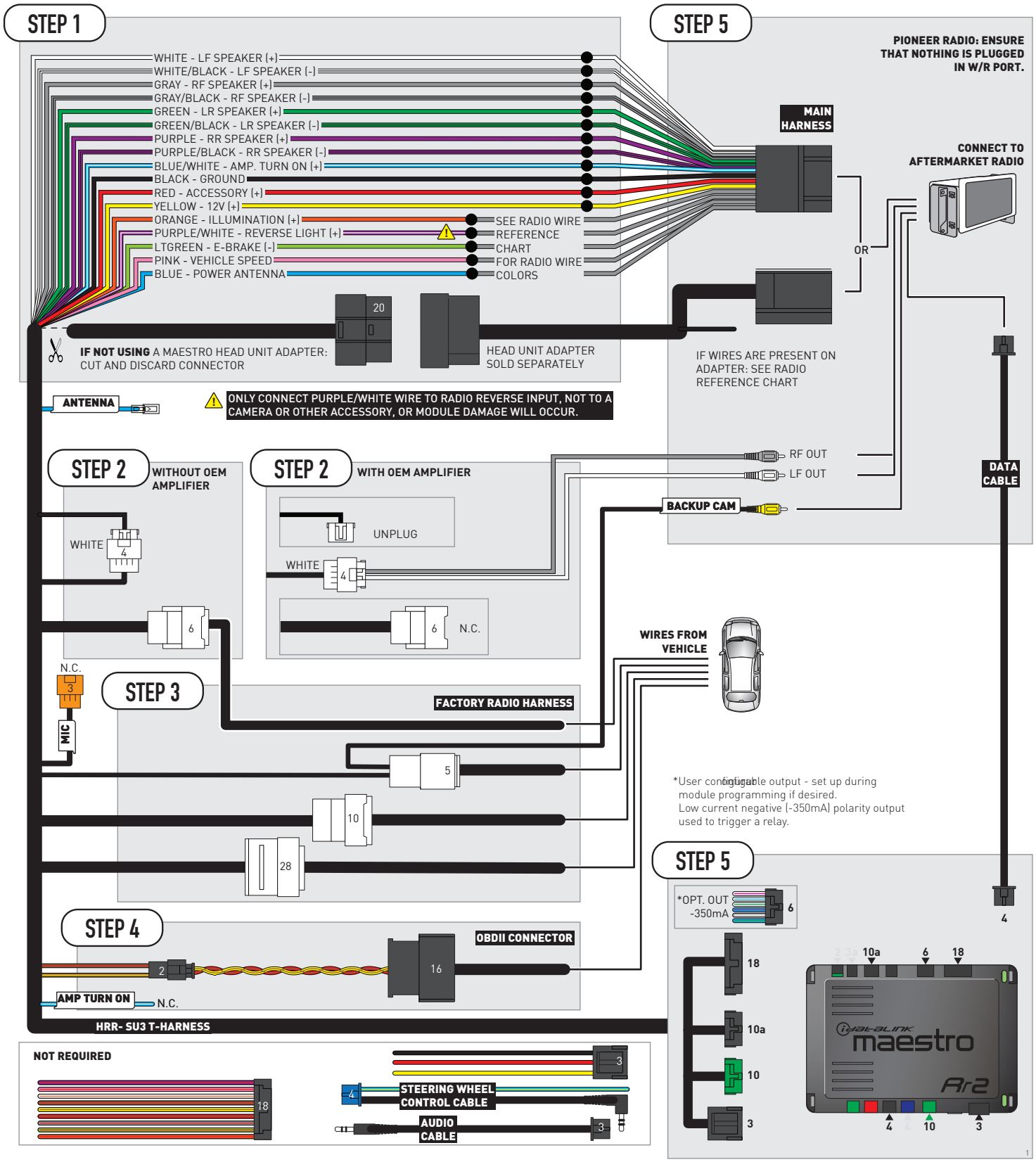

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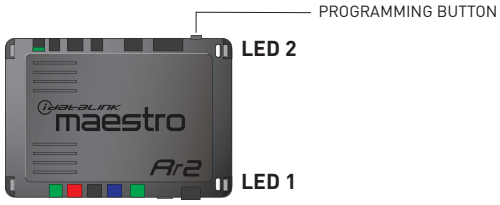

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2017-2023
SUBARU IMPREZA

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Software to program module.	WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

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

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

STEP 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

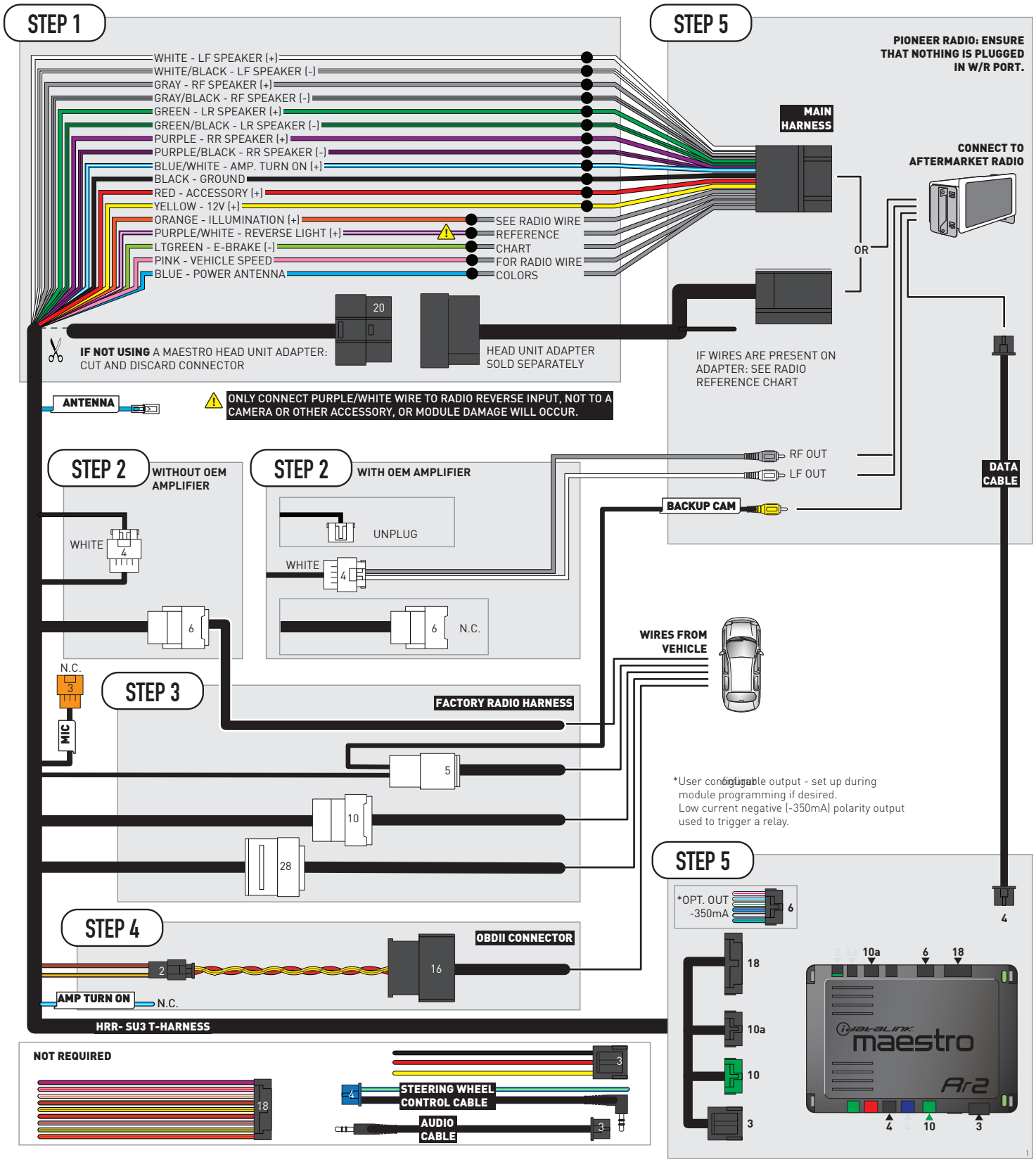
RAB ON/OFF - Tap left side of radio screen or SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - Tap right side of radio screen or SEEK UP on the steering wheel.

Note: On-screen controls require a radio that supports touch screen control of the camera, but the steering wheel controls will work regardless of radio**.**

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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

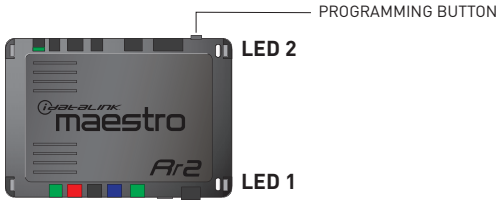
* Reverse light wire: Only connect to radio or module damage will occur.

Head unit adapter wiring (optional accessory, sold separately)

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

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 NOT 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
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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 RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.
The Harman Kardon system has no sound. (if applicable)	Ensure the **BLUE/WHITE** amp turn-on wire is connected. Ensure the 6-pin connector (the plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.

MAESTRO RR2 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.

INSTALL GUIDE

2018-2019
SUBARU LEGACY

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-DS

WELCOME

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

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NEED HELP?

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maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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K40 ELECTRONICS ESCORT

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  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

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- Unlug the HRR-SU3 4-pin white connectors.
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- Connect the RCAs to the radio outputs: white/left front, gray/right front.

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- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
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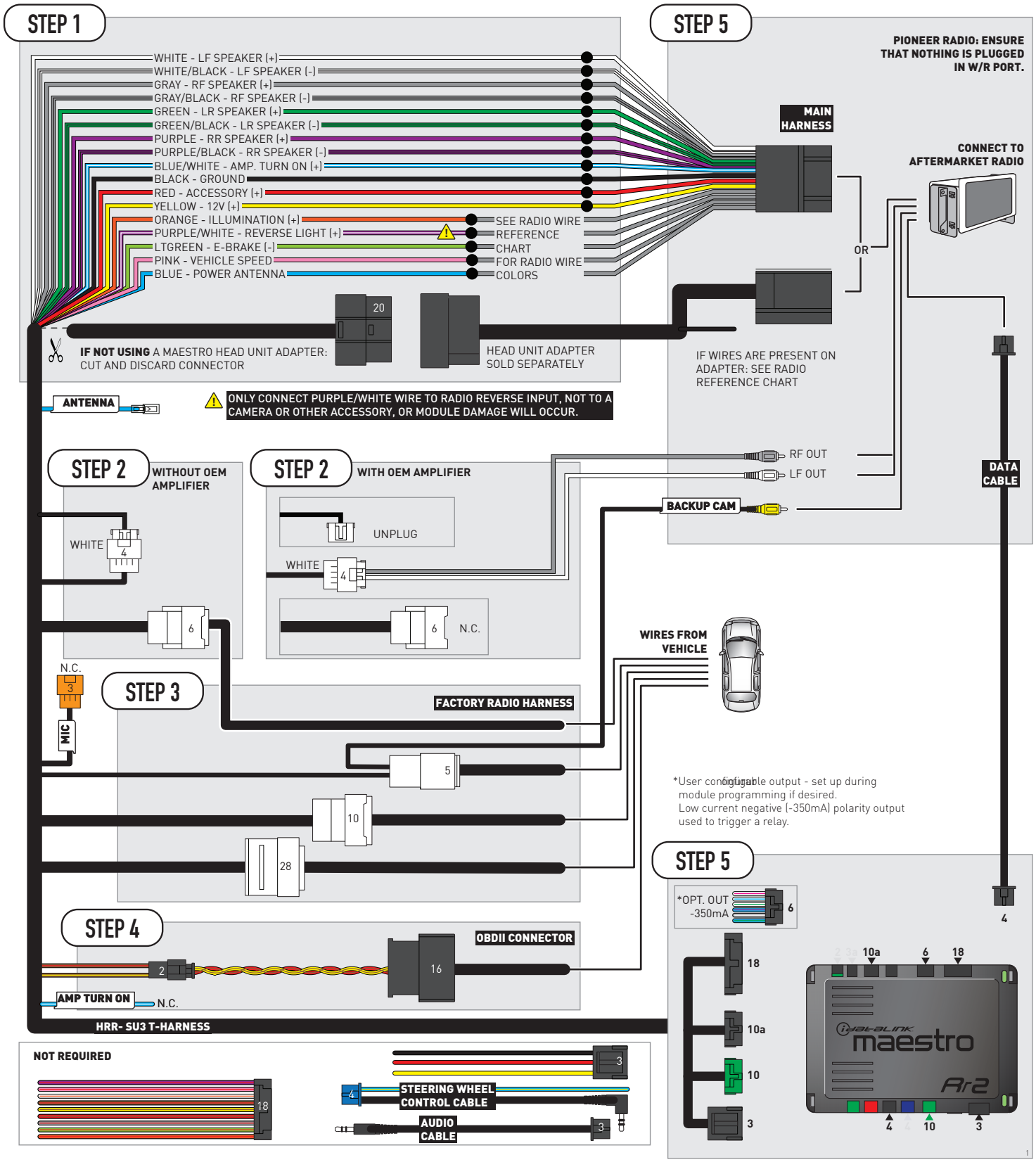
WIRING DIAGRAM



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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

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Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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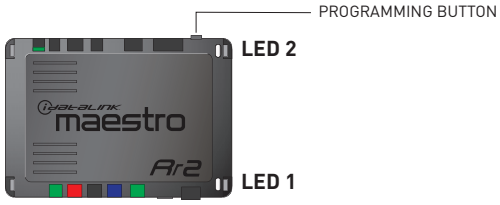

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The Harman Kardon system has no sound. (if applicable)	Ensure the **BLUE/WHITE** amp turn-on wire is connected. Ensure the 6-pin connector (the plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.

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Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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INSTALL GUIDE

2018-2019
SUBARU OUTBACK

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

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iDatalink Maestro HRR-SU3 Installation Harness
iDatalink compatible radio

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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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K40 ELECTRONICS ESCORT

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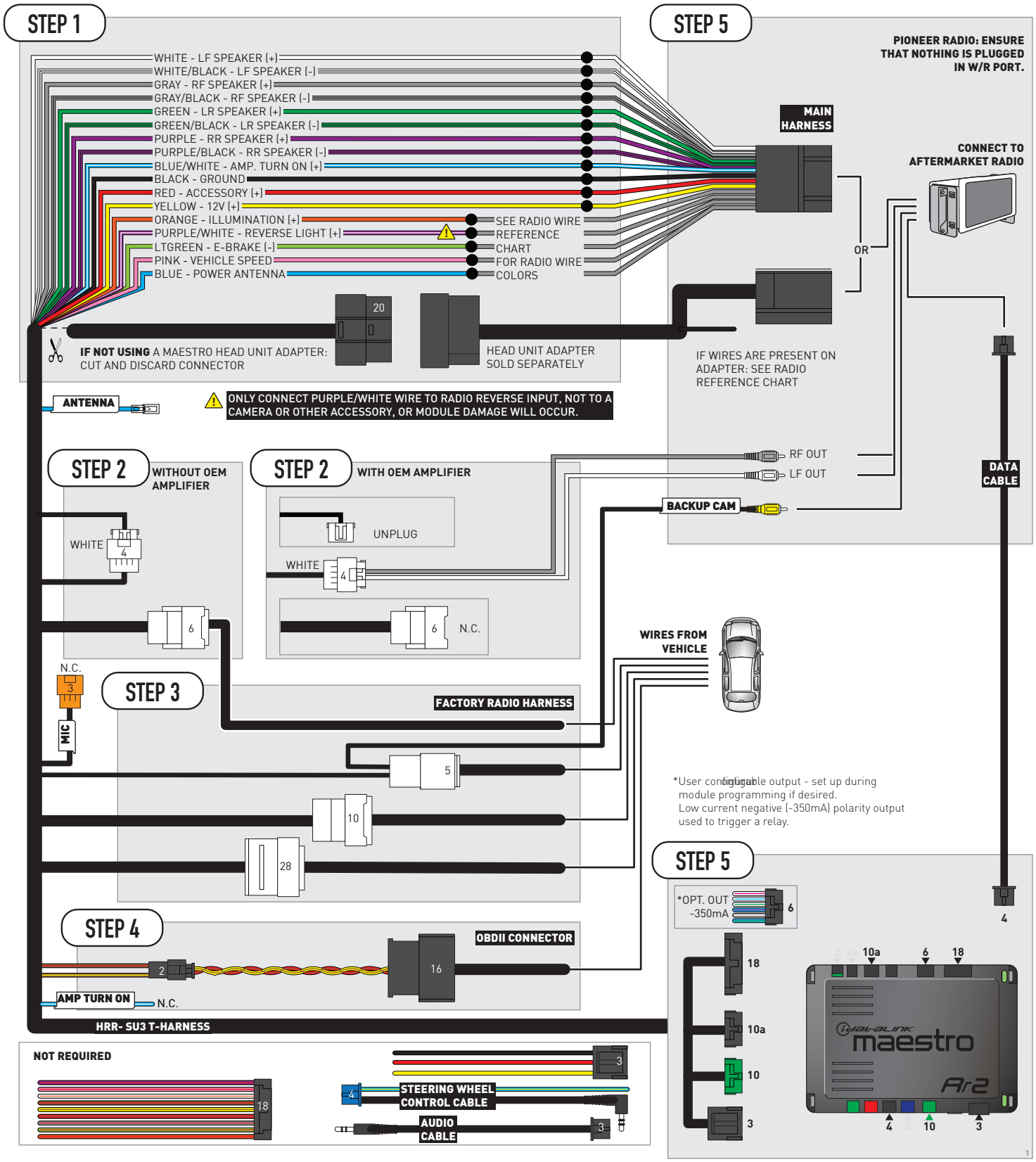

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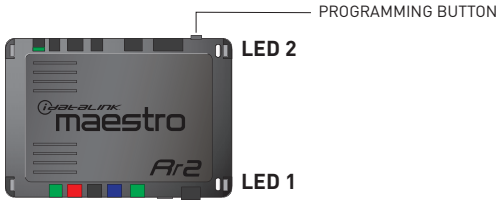

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INSTALL GUIDE

2019-2021
SUBARU WRX STI
WITH AMPLIFIER

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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STEP 2

- Unplug the HRR-SU3 4-pin white connectors and connect it to the 4-pin white adapter with RCAs.
- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness.
- Locate the 28 pin connector on the SU3 T-harness. Cut the Brown/Red wire (pin 9), extend and connect it to the Red wire (pin1) of the 40 pin climate control connector. Cut the Brown/Yellow wire (pin 10), extend and connect it to the Blue wire (pin2) of the 40 pin climate control connector.

STEP 3

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCAs to the radio outputs: white/left front, gray/right front.Plug the Backup camera cable to the aftermarket radio.
- Plug the backup camera cable (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.

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

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

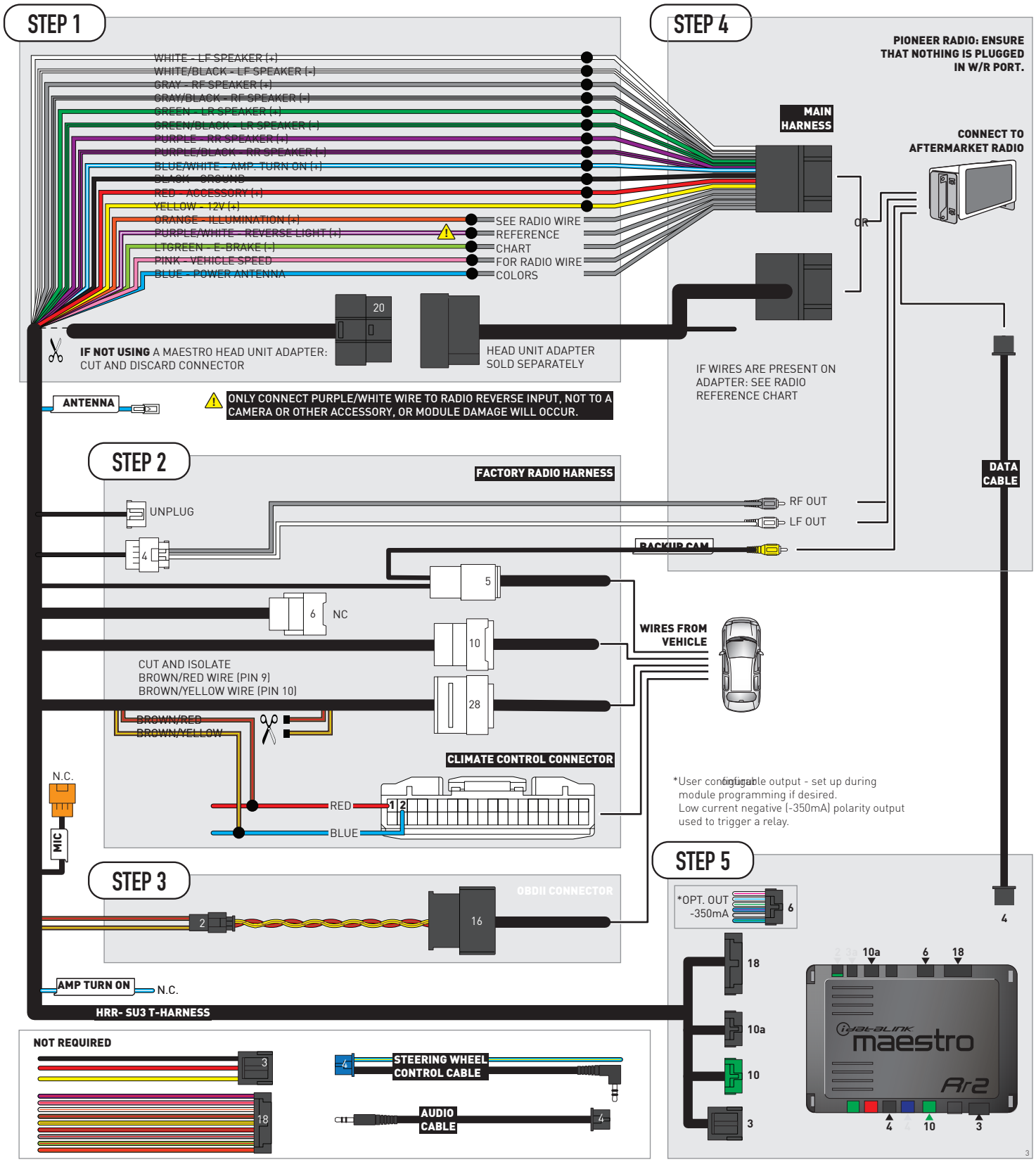
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - Tap left side of radio screen or SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - Tap right side of radio screen or SEEK UP on the steering wheel.

Note: On-screen controls require a radio that supports touch screen control of the camera, but the steering wheel controls will work regardless of radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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

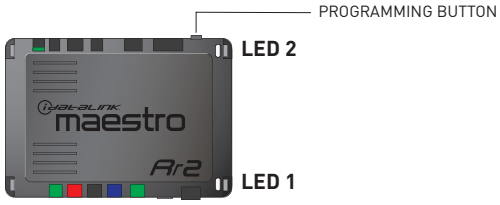
* Reverse light wire: Only connect to radio or module damage will occur.

Head unit adapter wiring (optional accessory, sold separately)

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

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 NOT 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
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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 RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.
The Harman Kardon system has no sound. (if applicable)	Ensure the **BLUE/WHITE** amp turn-on wire is connected. Ensure the 6-pin connector (the plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.

MAESTRO RR2 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.

maestro RR2

INSTALL GUIDE

2019-2021
SUBARU WRX
WITH AMPLIFIER

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-DS

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR2 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 RR2 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

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
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 HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Unplug the HRR-SU3 4-pin white connectors and connect it to the 4-pin white adapter with RCAs.
- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness.
- Locate the 28 pin connector on the SU3 T-harness. Cut the Brown/Red wire (pin 9), extend and connect it to the Red wire (pin1) of the 40 pin climate control connector. Cut the Brown/Yellow wire (pin 10), extend and connect it to the Blue wire (pin2) of the 40 pin climate control connector.

STEP 3

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCAs to the radio outputs: white/left front, gray/right front.Plug the Backup camera cable to the aftermarket radio.
- Plug the backup camera cable (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.

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

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - Tap left side of radio screen or SEEK DOWN on the steering wheel.

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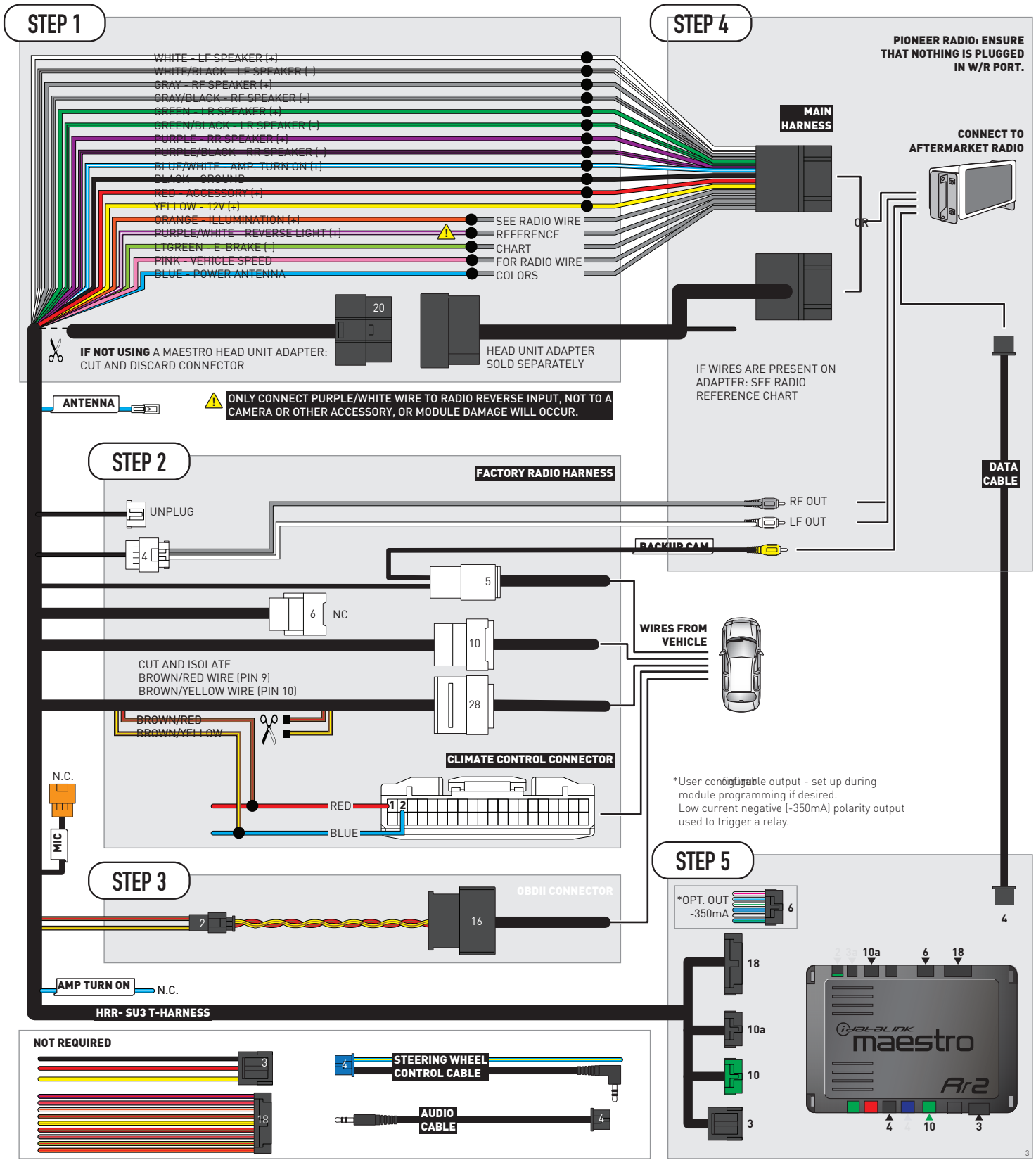
Note: On-screen controls require a radio that supports touch screen control of the camera, but the steering wheel controls will work regardless of radio.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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.

Head unit adapter wiring (optional accessory, sold separately)

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
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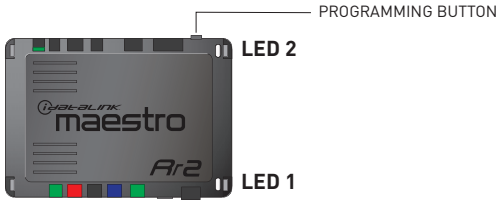
MODULE DIAGNOSTICS



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.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT 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
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBDII connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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 RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.
The Harman Kardon system has no sound. (if applicable)	Ensure the **BLUE/WHITE** amp turn-on wire is connected. Ensure the 6-pin connector (the plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.

MAESTRO RR2 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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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.

SELECT VEHICLE
PRINT PAGES NEEDED

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 RR2 according to the guide for your vehicle.

WARNING

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

INSTALL GUIDE

2019-2022
SUBARU ASCENT

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
Non-iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR2 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 RR2 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-PIO1, SON1, KEN1, KEN2, ALP1

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
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 HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP 4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
- 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 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

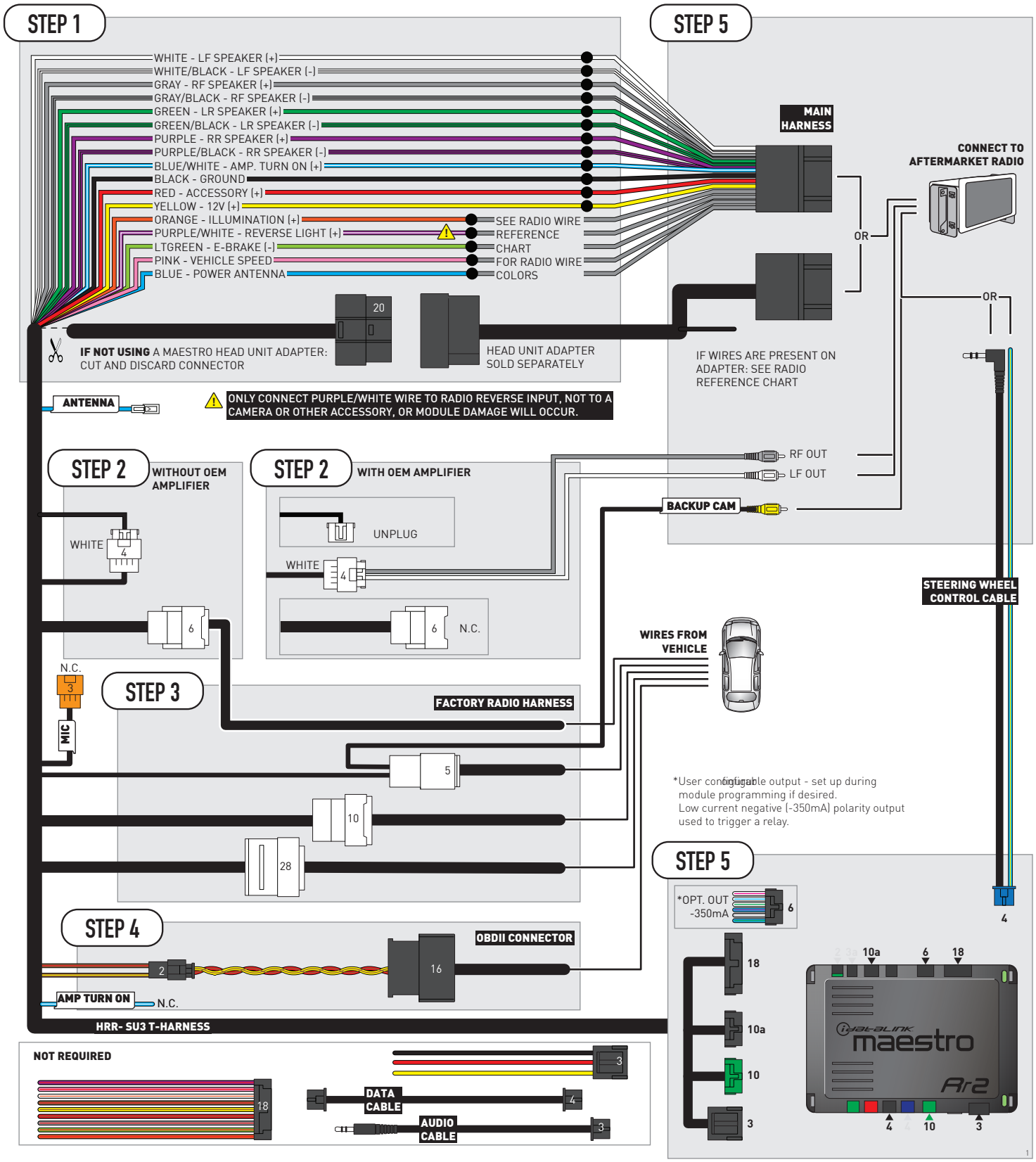
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - SEEK UP on the steering wheel.

1

WIRING DIAGRAM



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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
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 aftermarker 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.

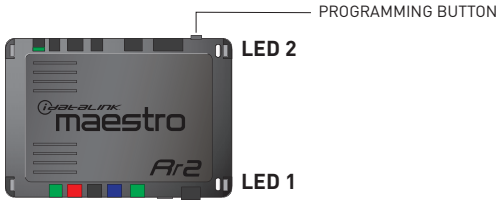
Head unit adapter wiring (optional accessory, sold separately)

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 NOT 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.

MAESTRO RR2 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

INSTALL GUIDE

2018-2023
SUBARU CROSSTREK

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

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iDatalink Maestro HRR-SU3 Installation Harness
Non-iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-AS

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NEED HELP?

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ADDITIONAL INFORMATION AND ACCESSORIES

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP 4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
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STEP 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

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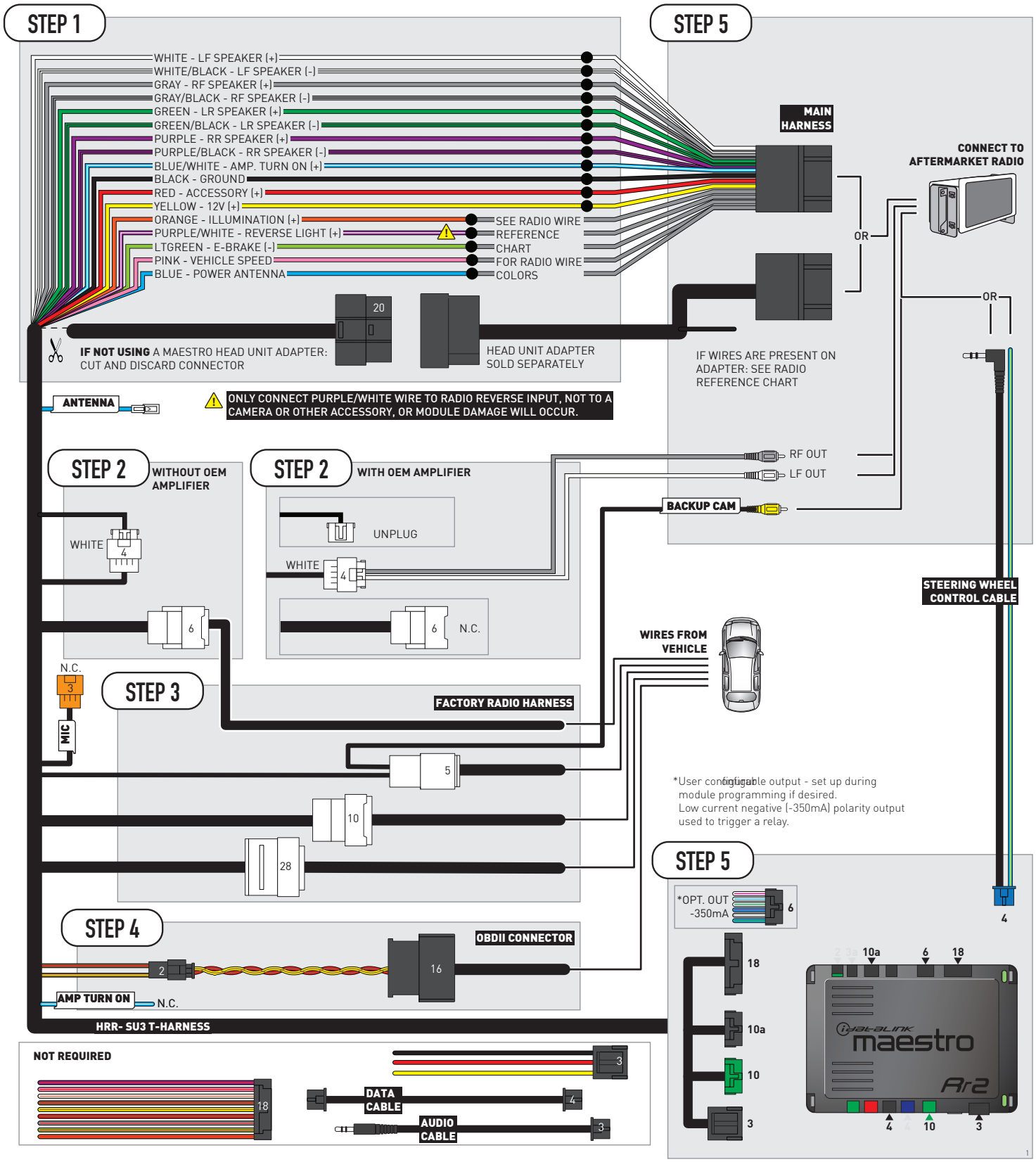
1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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 aftermarker 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.

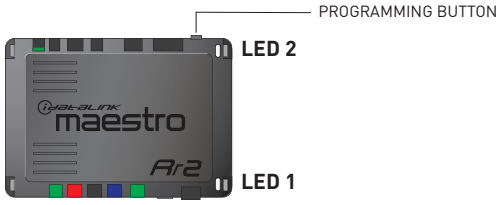
Head unit adapter wiring (optional accessory, sold separately)

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 NOT 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.

MAESTRO RR2 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

INSTALL GUIDE

2019-2023
SUBARU FORESTER

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
Non-iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-AS

WELCOME

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Please note that Maestro RR2 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

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP 4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
- 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 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

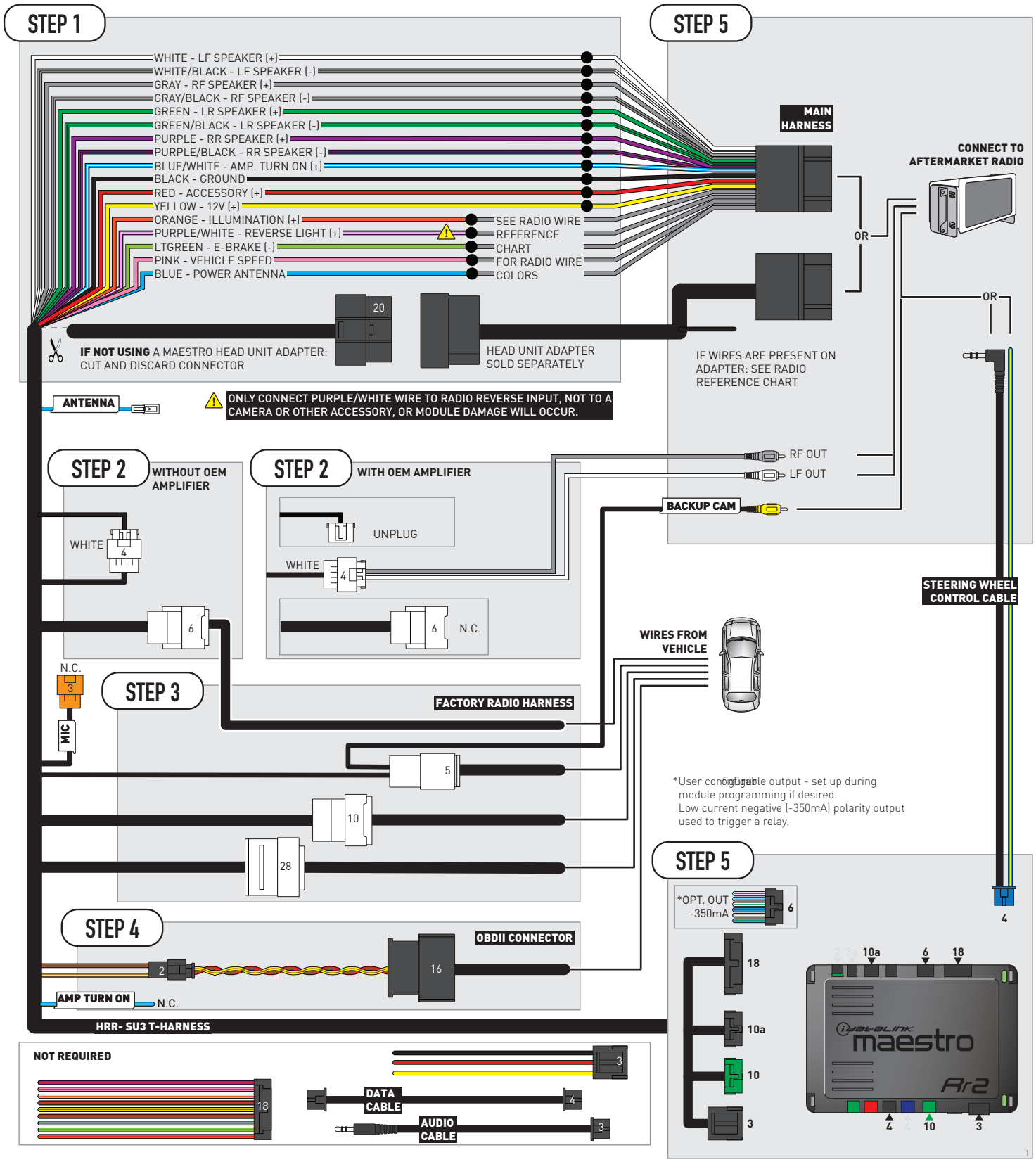
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - SEEK UP on the steering wheel.

1

WIRING DIAGRAM



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

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

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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.

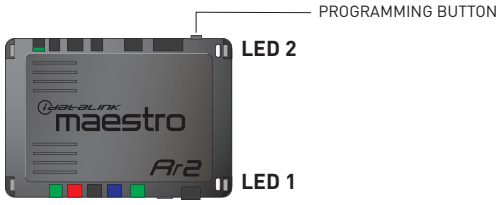
Head unit adapter wiring (optional accessory, sold separately)

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.
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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.
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INSTALL GUIDE

2017-2023
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- Unbox the aftermarket radio and locate its main harness.
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  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

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STEP 4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
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Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

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1

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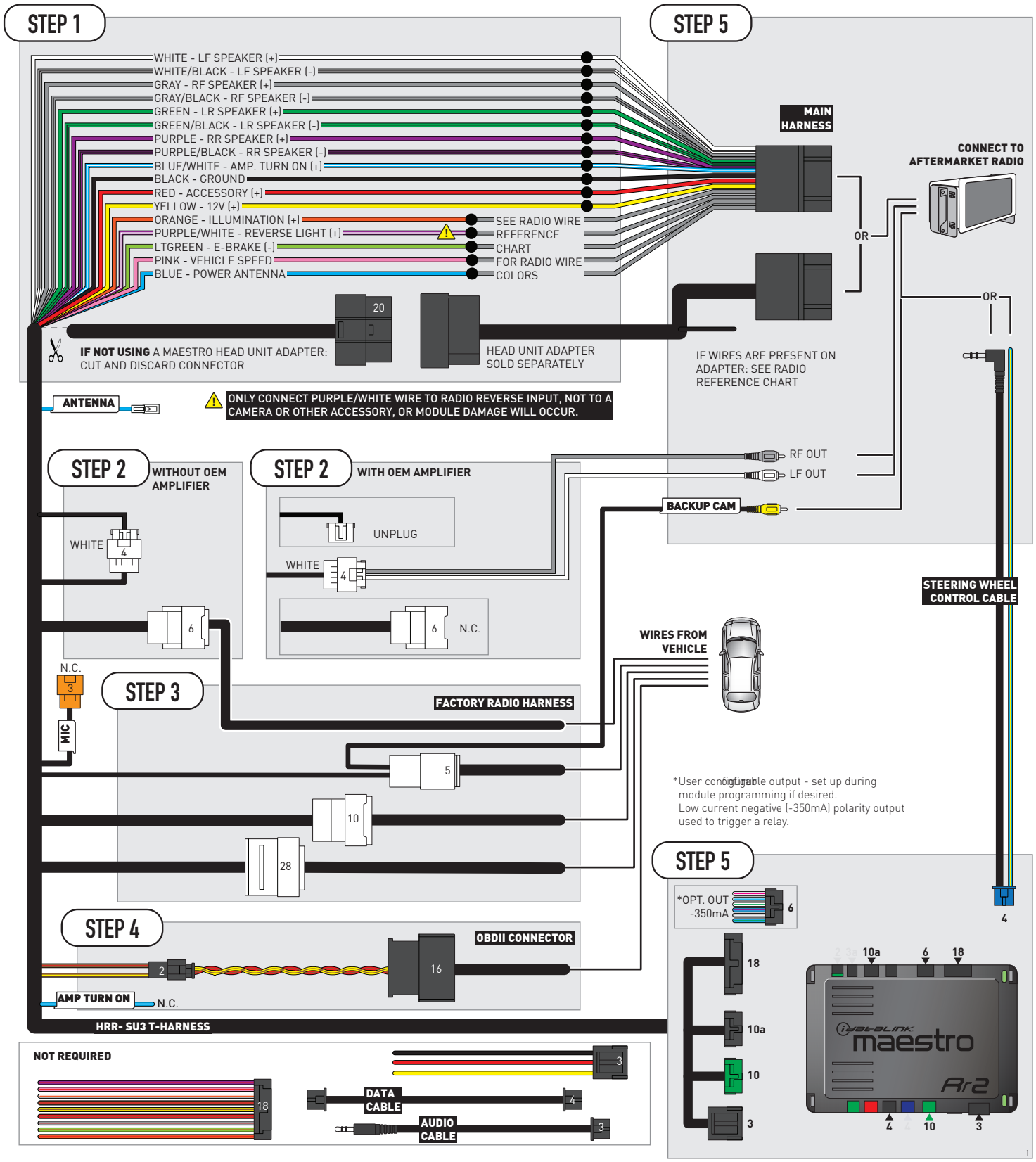

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

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E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
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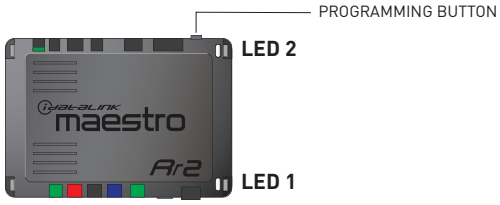
MODULE DIAGNOSTICS



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2018-2019
SUBARU LEGACY

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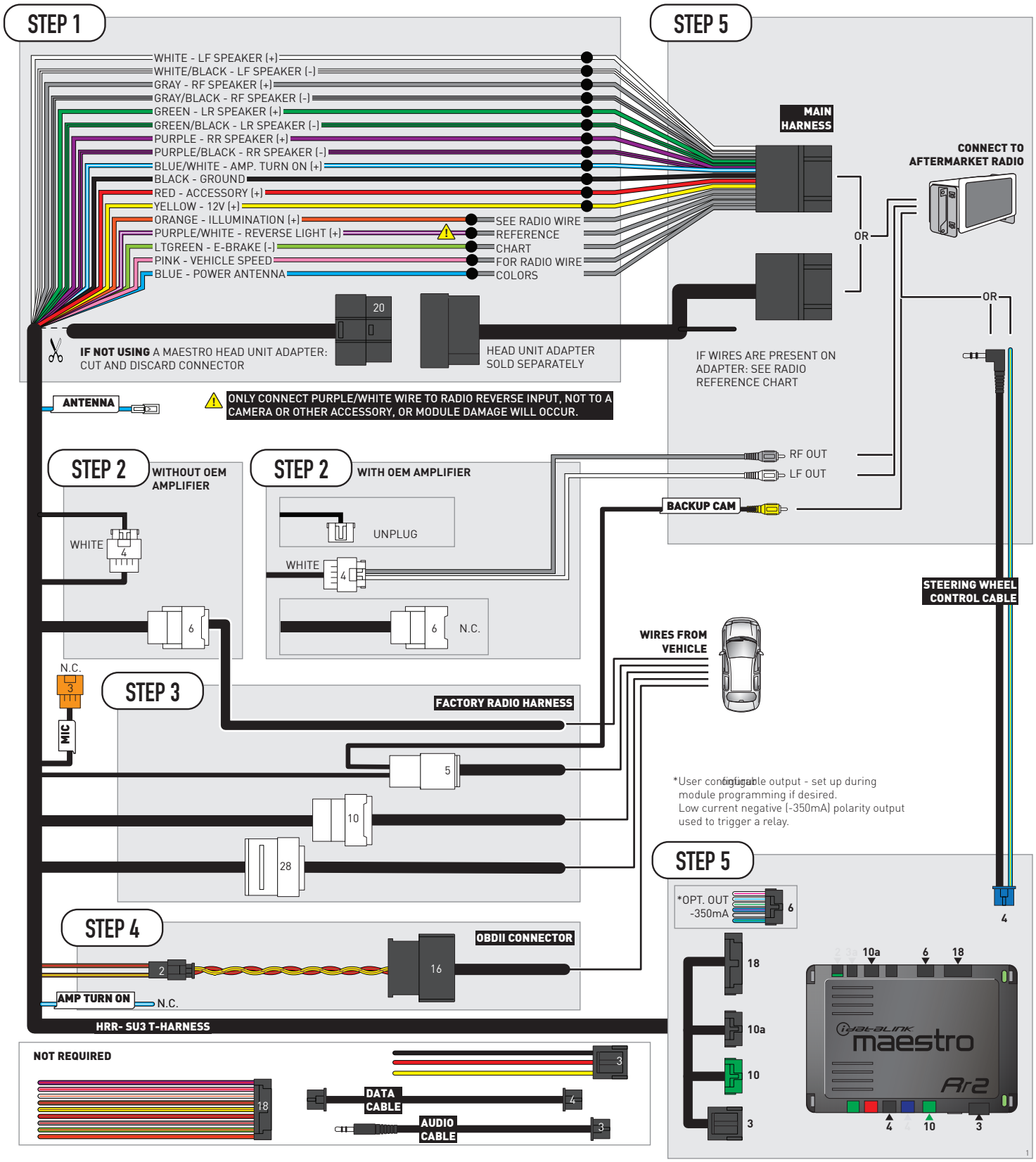
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - SEEK UP on the steering wheel.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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 aftermarker 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.

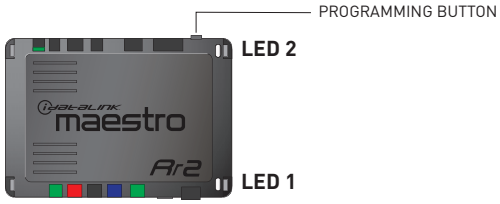
Head unit adapter wiring (optional accessory, sold separately)

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 NOT 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.

MAESTRO RR2 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

INSTALL GUIDE

2018-2019
SUBARU OUTBACK

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

+

HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRR-SU3 Installation Harness
Non-iDatalink compatible radio

PROGRAMMED FIRMWARE: SU3-RR2-AS

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR2 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 RR2 will only retain functionalities that were originally available in the vehicle.

NEED HELP?

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maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

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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

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier.

If the vehicle DOES NOT have a factory amplifier:

- Leave the HRR-SU3 4-pin white connectors together. The included 4-pin white with RCAs is not used .

If the vehicle DOES have a factory amplifier:

- Unlug the HRR-SU3 4-pin white connectors.
- Connect the HRR-SU3 4-pin white to 4-pin white connector with RCAs. .
- Connect the RCAs to the radio outputs: white/left front, gray/right front.

STEP 3

- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness. Plug the 6-pin connector if vehicle is not equipped with factory amplifier.

STEP 4

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the backup camera cable (if applicable).
- 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 6

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

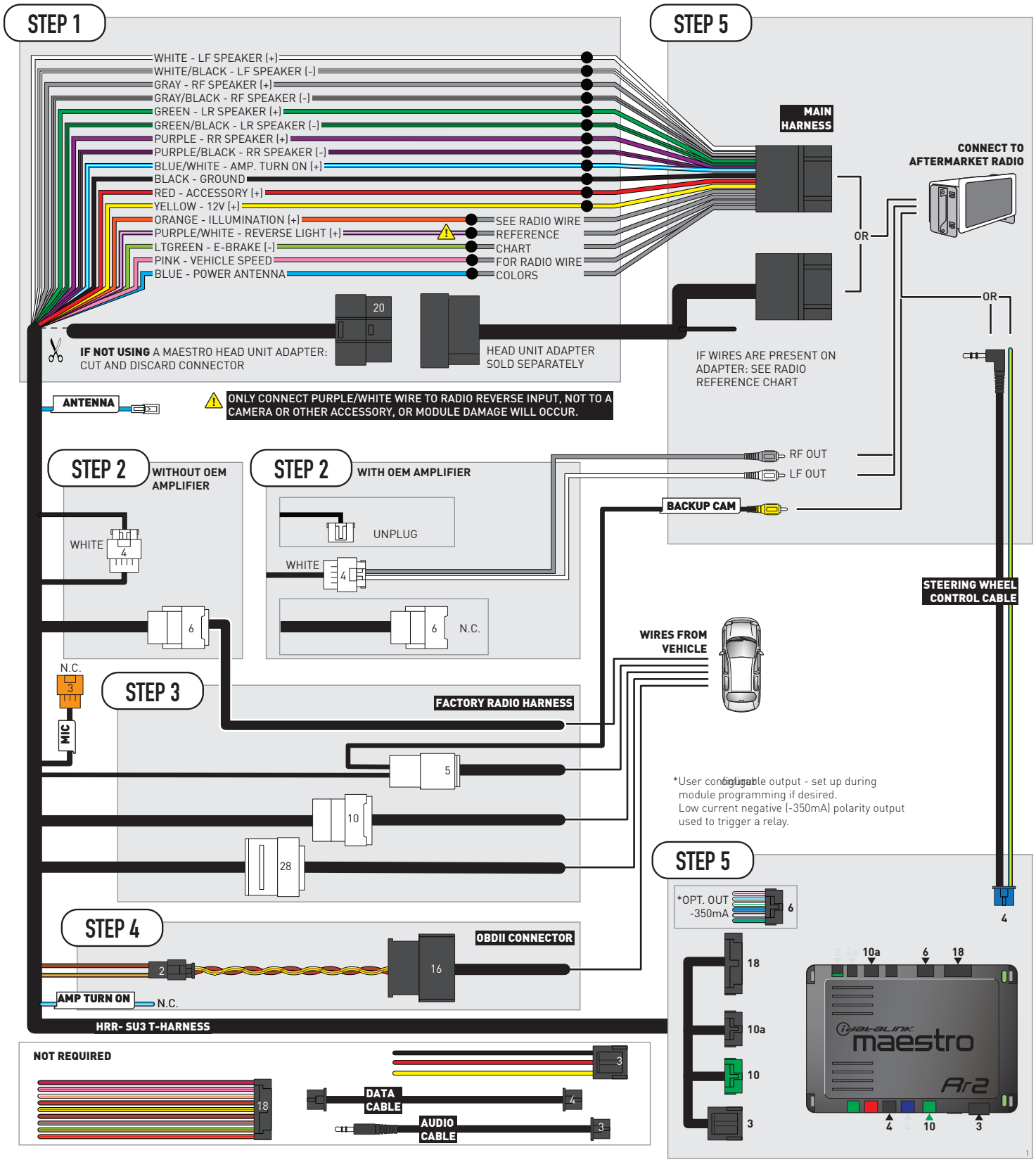
When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - SEEK UP on the steering wheel.

1

WIRING DIAGRAM



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

* Reverse light wire: Only connect to radio or module damage will occur.
Other brands, refer to aftermarker 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.

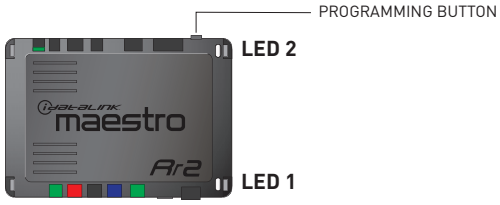
Head unit adapter wiring (optional accessory, sold separately)

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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●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
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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.
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MAESTRO RR2 RESET PROCEDURE:

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SUBARU WRX STI
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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!

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STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-SU3 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 HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Unplug the HRR-SU3 4-pin white connectors and connect it to the 4-pin white adapter with RCAs.
- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness.
- Locate the 28 pin connector on the SU3 T-harness. Cut the Brown/Red wire (pin 9), extend and connect it to the Red wire (pin1) of the 40 pin climate control connector. Cut the Brown/Yellow wire (pin 10), extend and connect it to the Blue wire (pin2) of the 40 pin climate control connector.

STEP 3

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCAs to the radio outputs: white/left front, gray/right front.Plug the Backup camera cable to the aftermarket radio.
- Plug the backup camera cable (if applicable).
- 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 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

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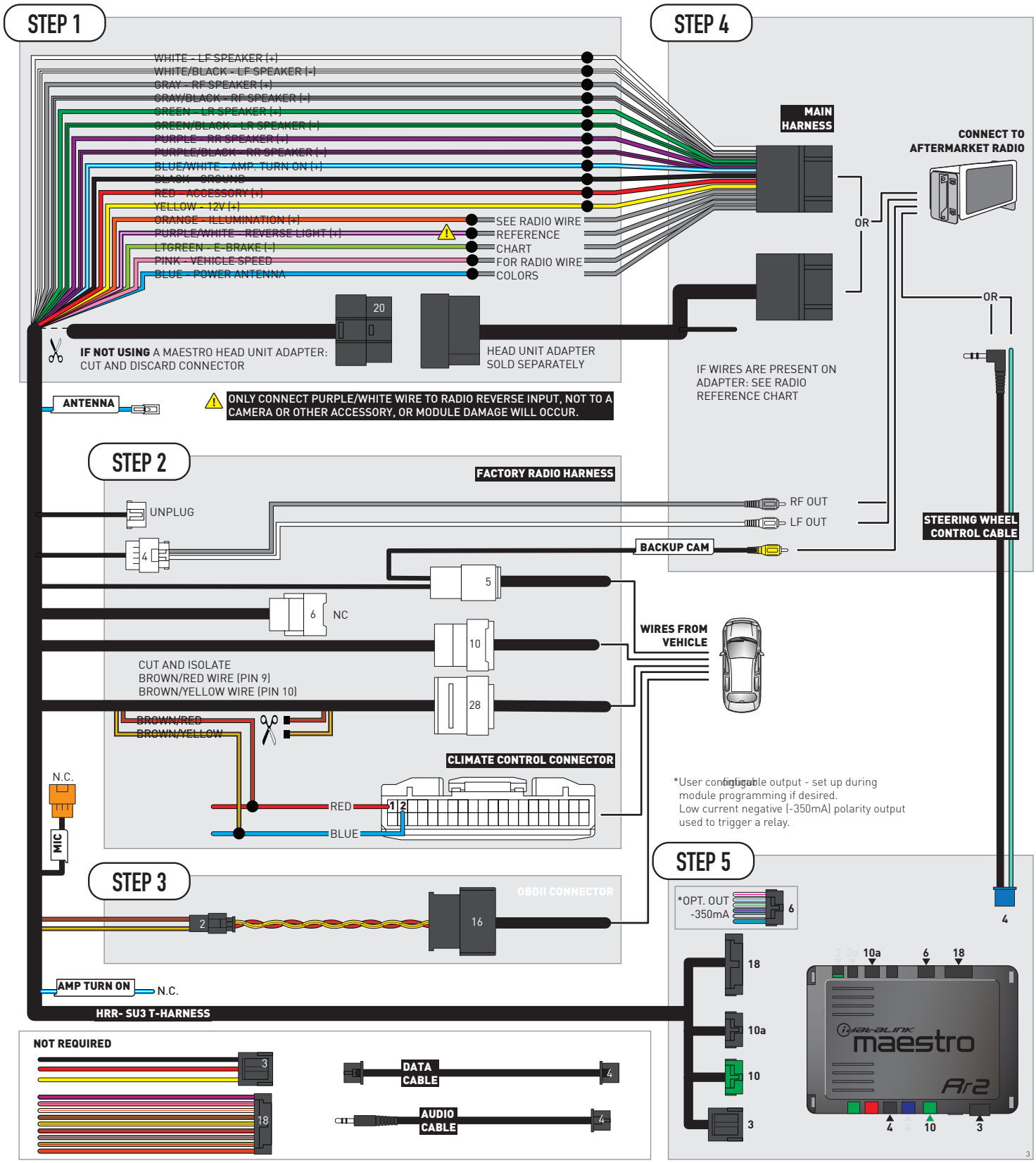
WIRING DIAGRAM



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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	(DATA)	Blue/Yellow Wire	Not Connected	SWI1 Input	Blue/Yellow Wire	SWI1 Input or Key1 Input

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Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

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

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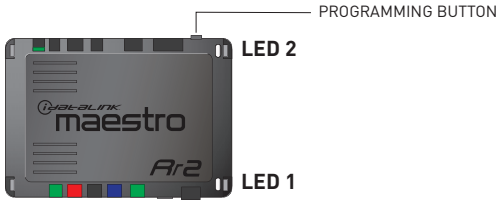

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If using head unit adapter (sold separately), connect HRR-SU3 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-SU3 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-SU3 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Unplug the HRR-SU3 4-pin white connectors and connect it to the 4-pin white adapter with RCAs.
- Connect the 5-pin, 10-pin and 28-pin connectors of the HRR-SU3 T-harness to the factory radio harness.
- Locate the 28 pin connector on the SU3 T-harness. Cut the Brown/Red wire (pin 9), extend and connect it to the Red wire (pin1) of the 40 pin climate control connector. Cut the Brown/Yellow wire (pin 10), extend and connect it to the Blue wire (pin2) of the 40 pin climate control connector.

STEP 3

- Connect HRR-SU3 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCAs to the radio outputs: white/left front, gray/right front.Plug the Backup camera cable to the aftermarket radio.
- Plug the backup camera cable (if applicable).
- 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 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

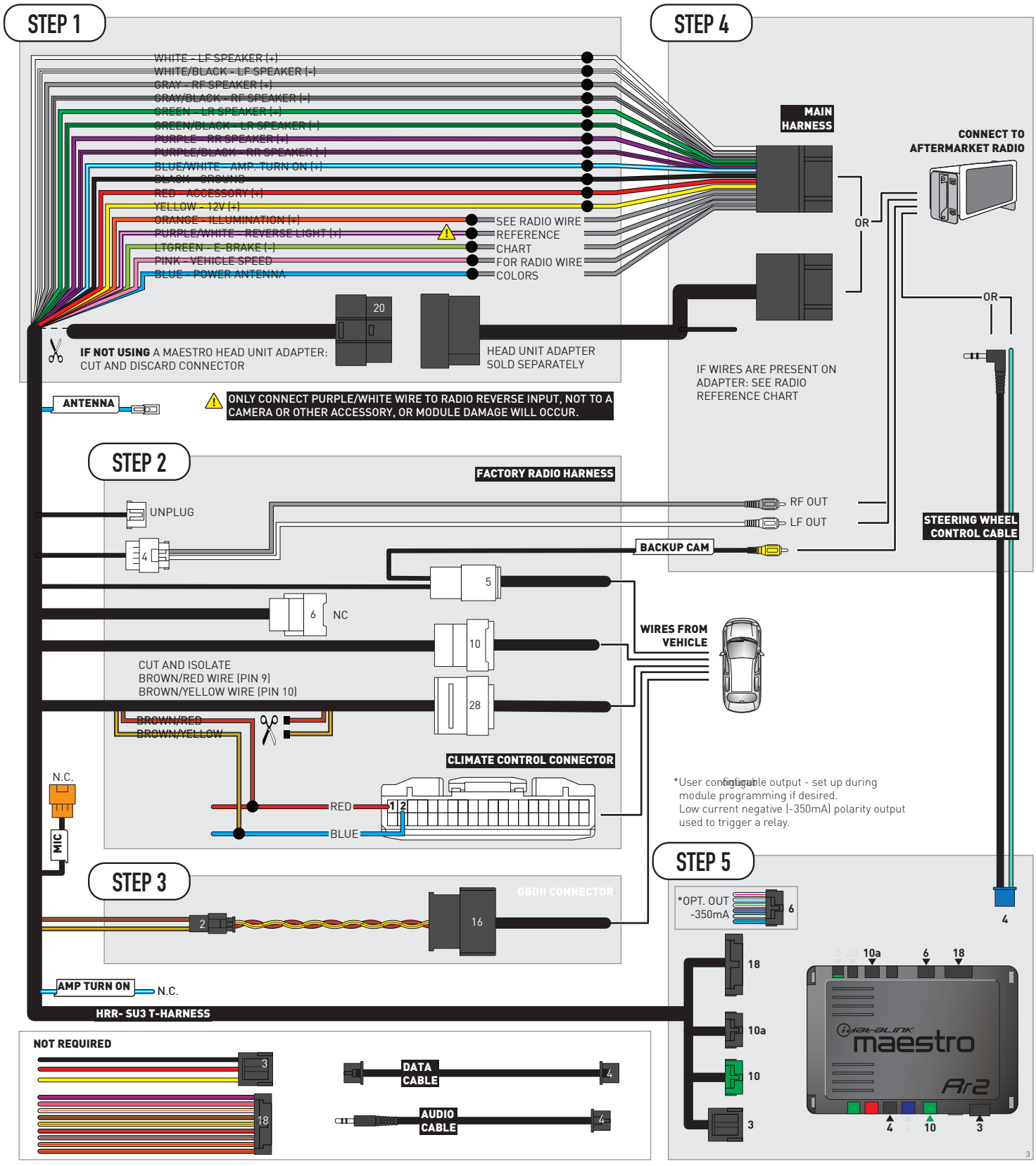
Reverse Automatic Braking (RAB)

When in reverse, RAB and Parking Sensor buttons are controlled by:

RAB ON/OFF - SEEK DOWN on the steering wheel.

Parking Sensor ON/OFF - SEEK UP on the steering wheel.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

SU3 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 aftermarker 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.

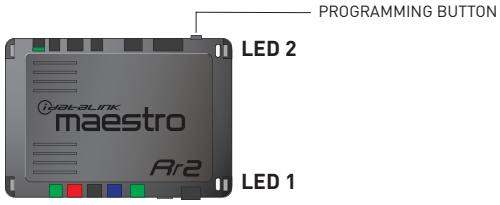
Head unit adapter wiring (optional accessory, sold separately)

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 NOT 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.
Front/Dash speakers do not play.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle.

MAESTRO RR2 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