SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

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

WARNING

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

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

INSTALL GUIDE

2006-2007
AUDI A3
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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WELCOME

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

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

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

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Wiring Diagram	4
Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Determine which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory harness(es) to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the RCA cables into the aftermarket radio outputs.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

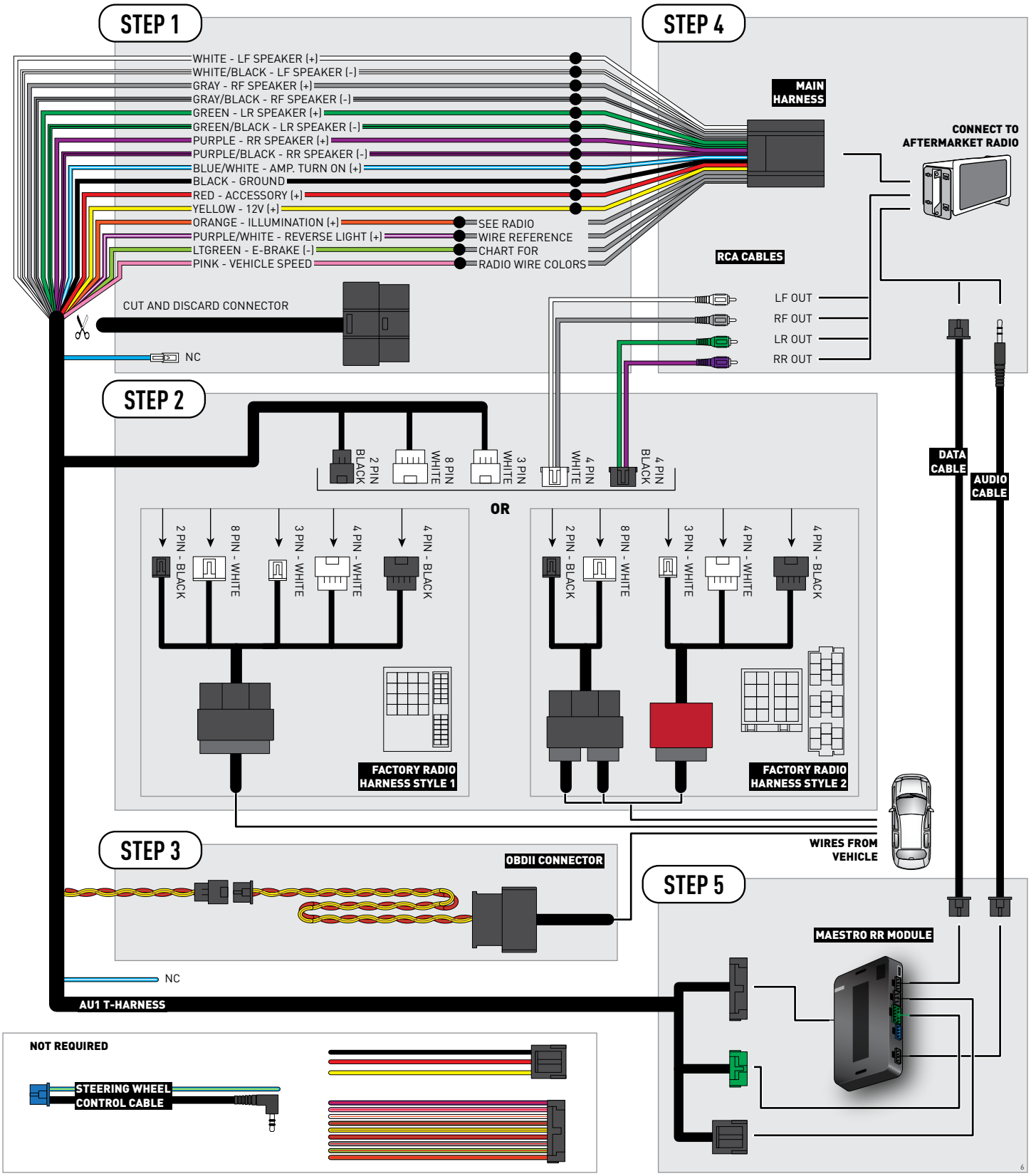
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

6

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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
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iDatalink maestro RR

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INSTALL GUIDE

2006-2007
AUDI A3
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:

ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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WELCOME

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

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

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 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 which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory harness(es) to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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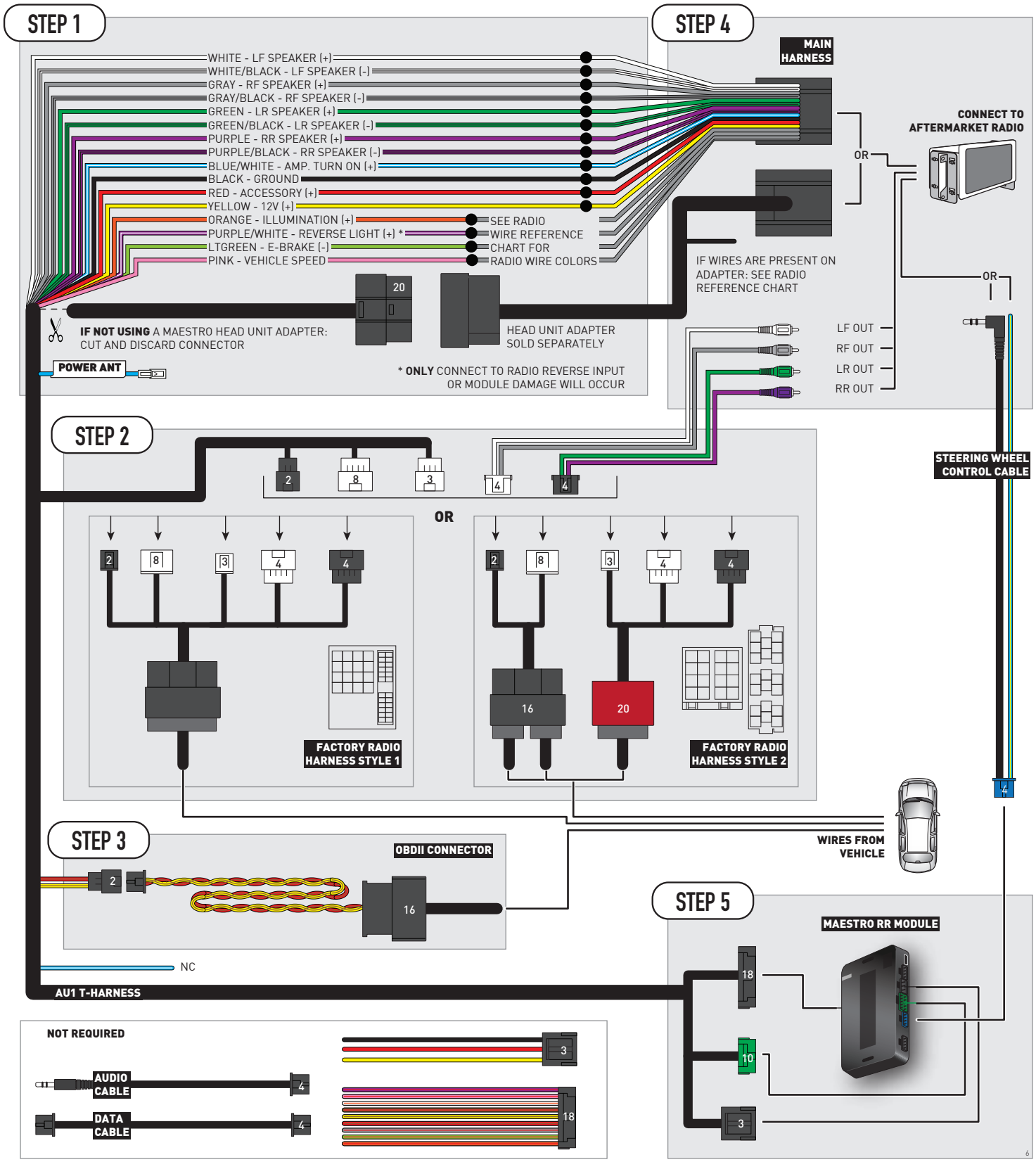
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2008-2013
AUDI A3
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:

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

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WELCOME

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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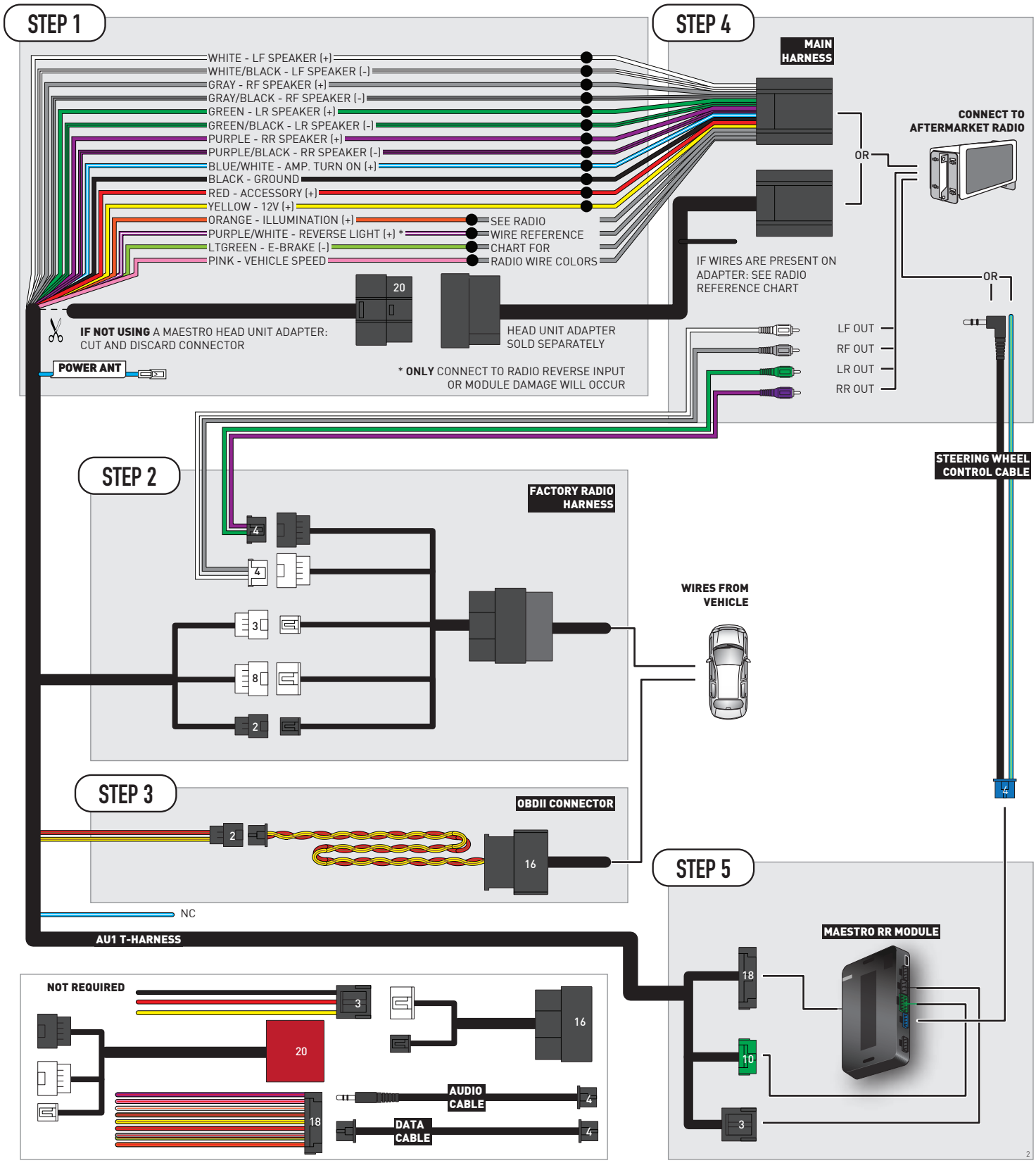
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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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Turn the key to the OFF position, then disconnect all connectors from the module.
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INSTALL GUIDE

2006-2007
AUDI A3
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iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 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 which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory radio harness(es) to the AU1 T-harness.

STEP 3

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

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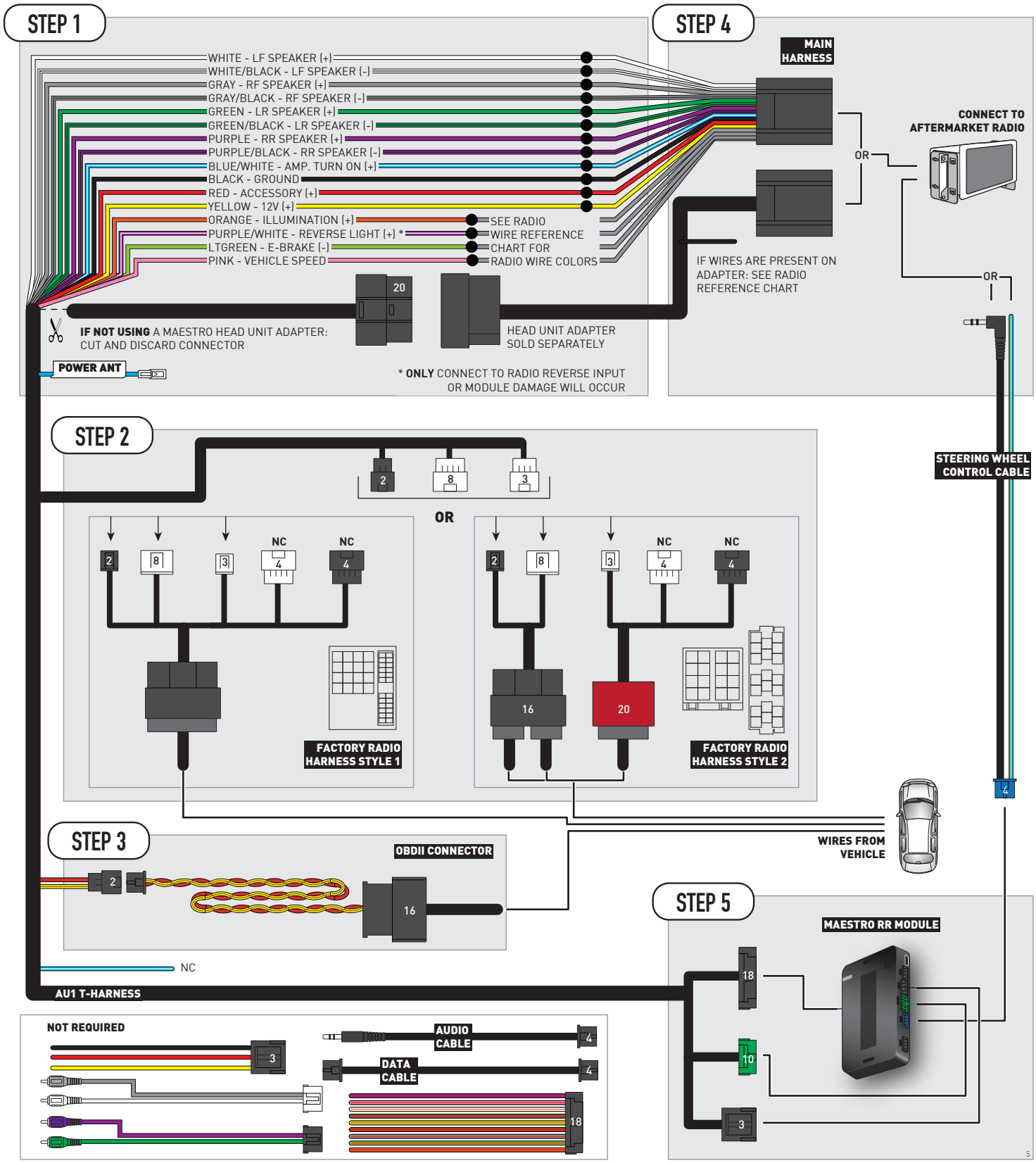
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

5

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2008-2013
AUDI A3
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

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

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

WELCOME

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

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

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

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Installation Instructions	3
Wiring Diagram	4
Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

maestro.idatalink.com/support
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

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

STEP 4

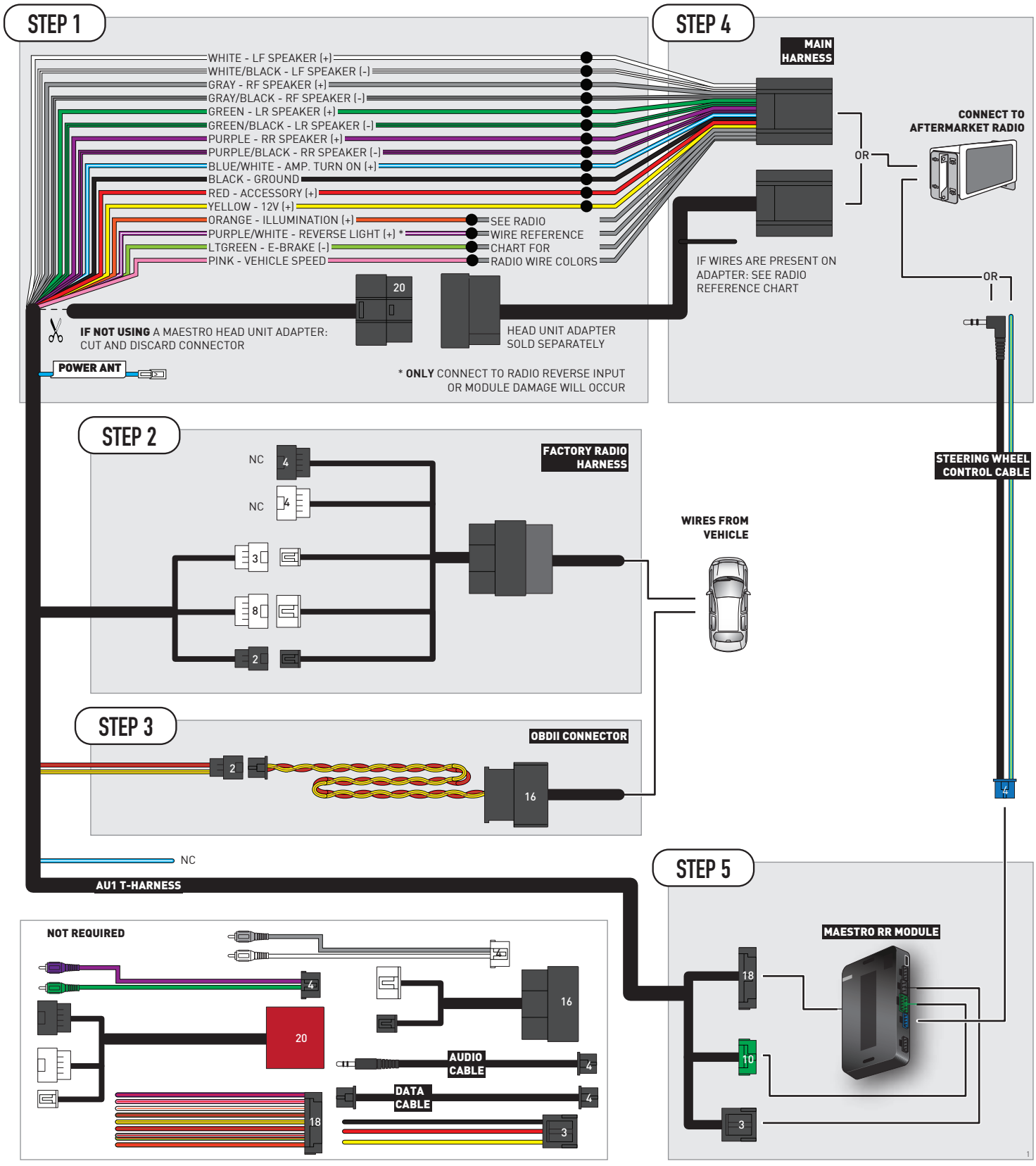
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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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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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INSTALL GUIDE

2004-2008
AUDI A4
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:
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WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 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 which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory harness(es) to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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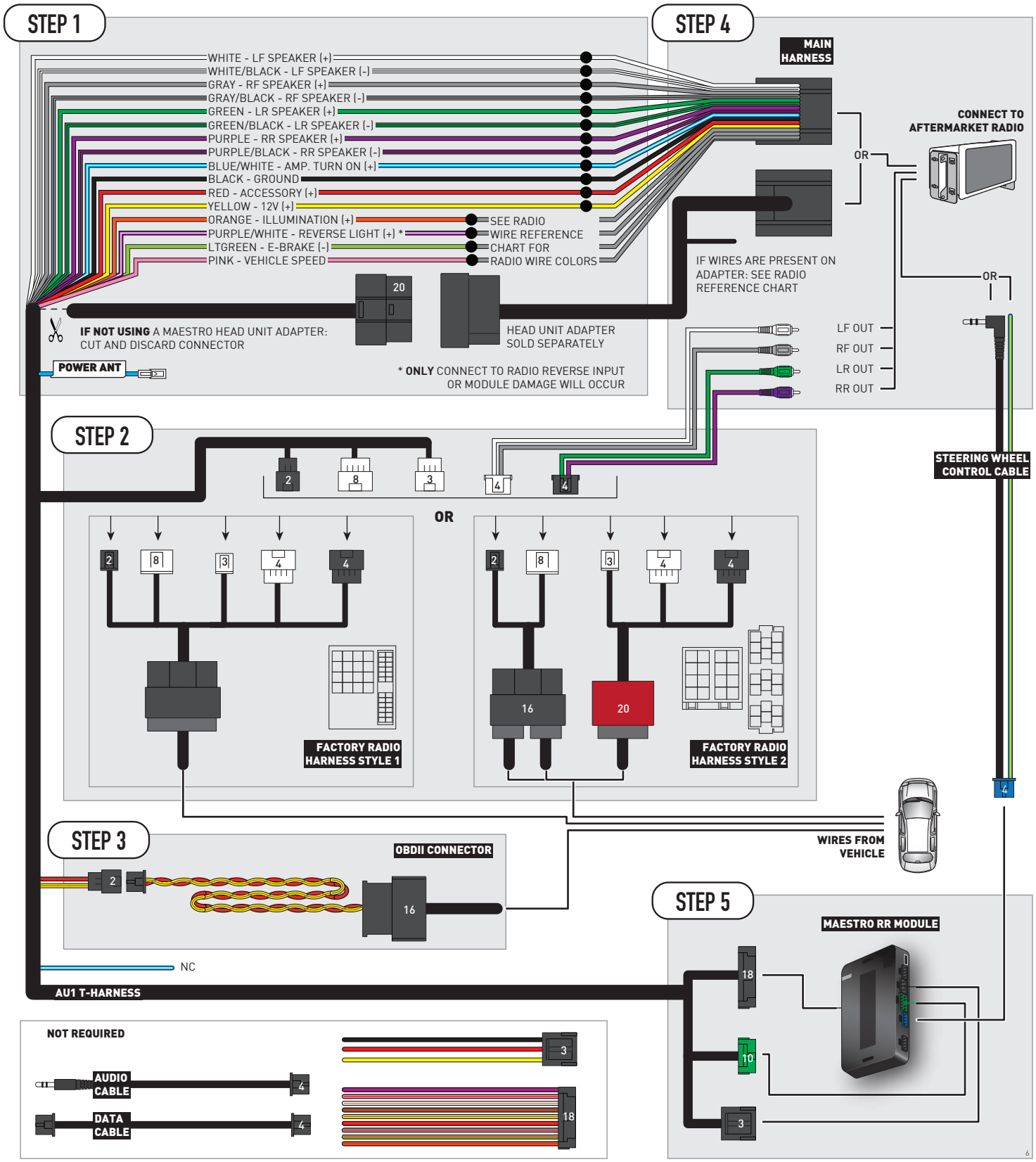
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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 RR RESET PROCEDURE:

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

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Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2004-2008
AUDI A4
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:

ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 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 which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory radio harness(es) to the AU1 T-harness.

STEP 3

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

STEP 4

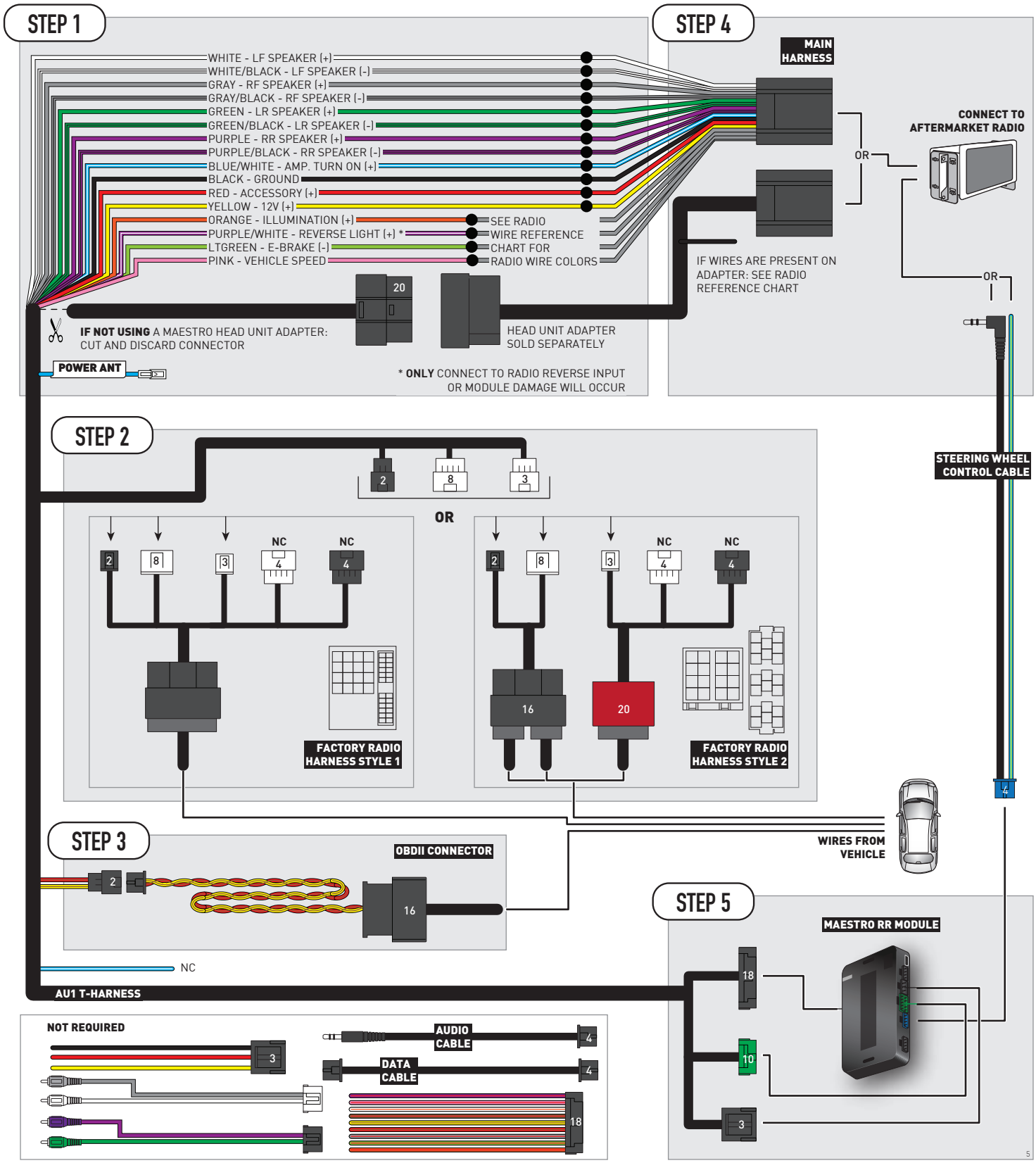
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

5

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

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	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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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

2004
AUDI A6
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

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STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

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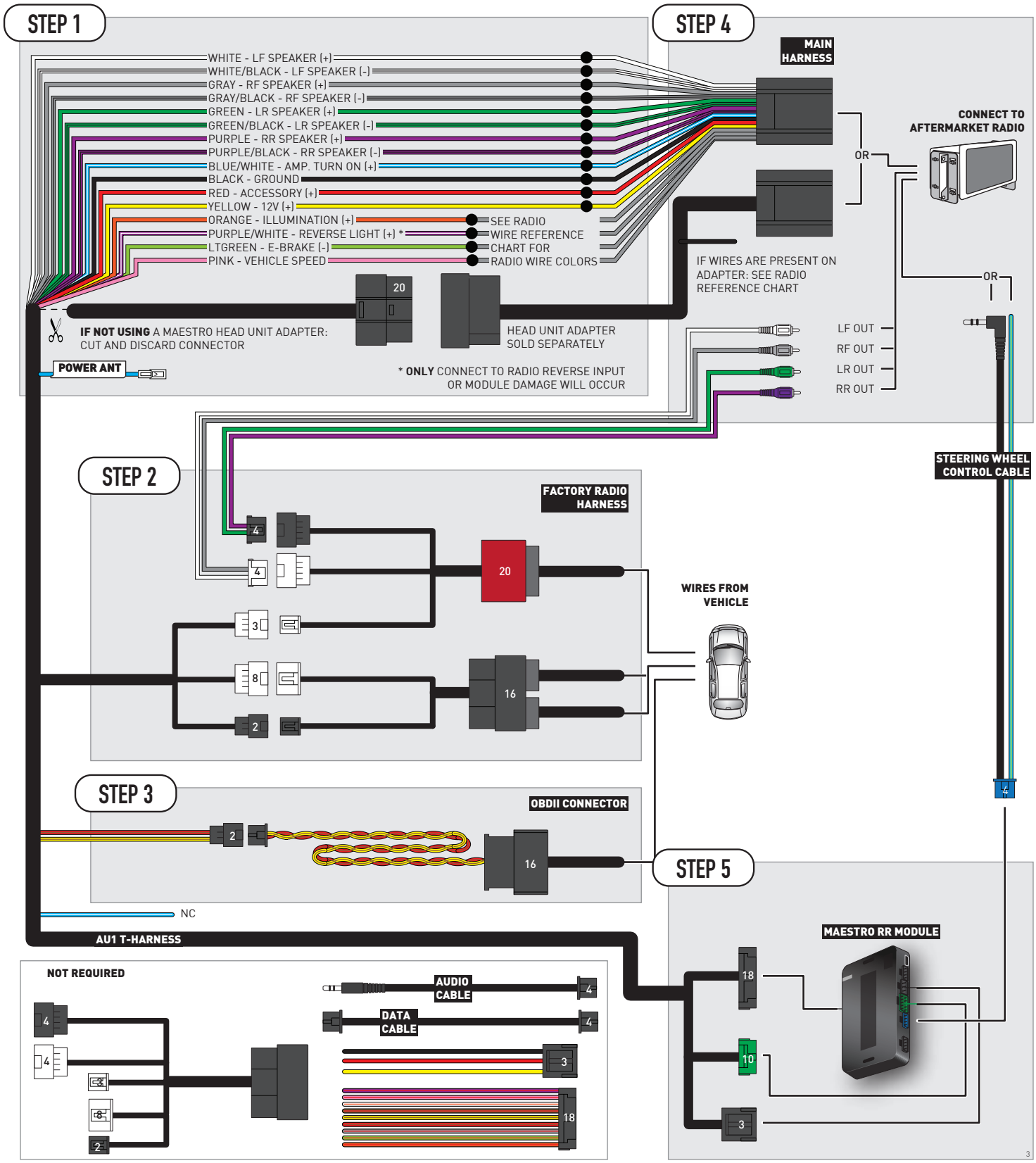
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2004
AUDI A6
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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WELCOME

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

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

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

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Troubleshooting Table	7

NEED HELP?

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

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

STEP 4

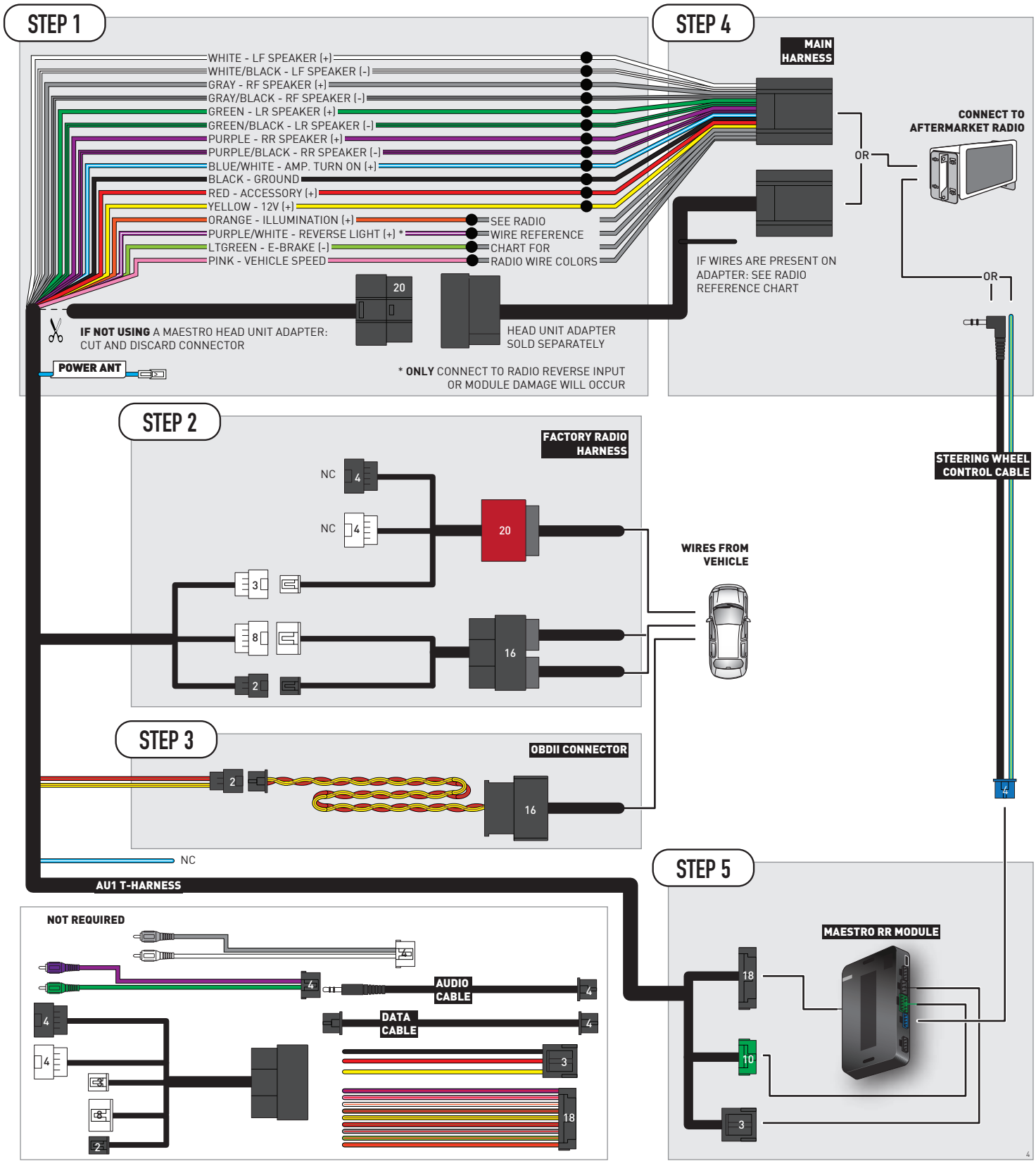
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

4

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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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INSTALL GUIDE

2004-2005
AUDI ALLROAD
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:

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

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WELCOME

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

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

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

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Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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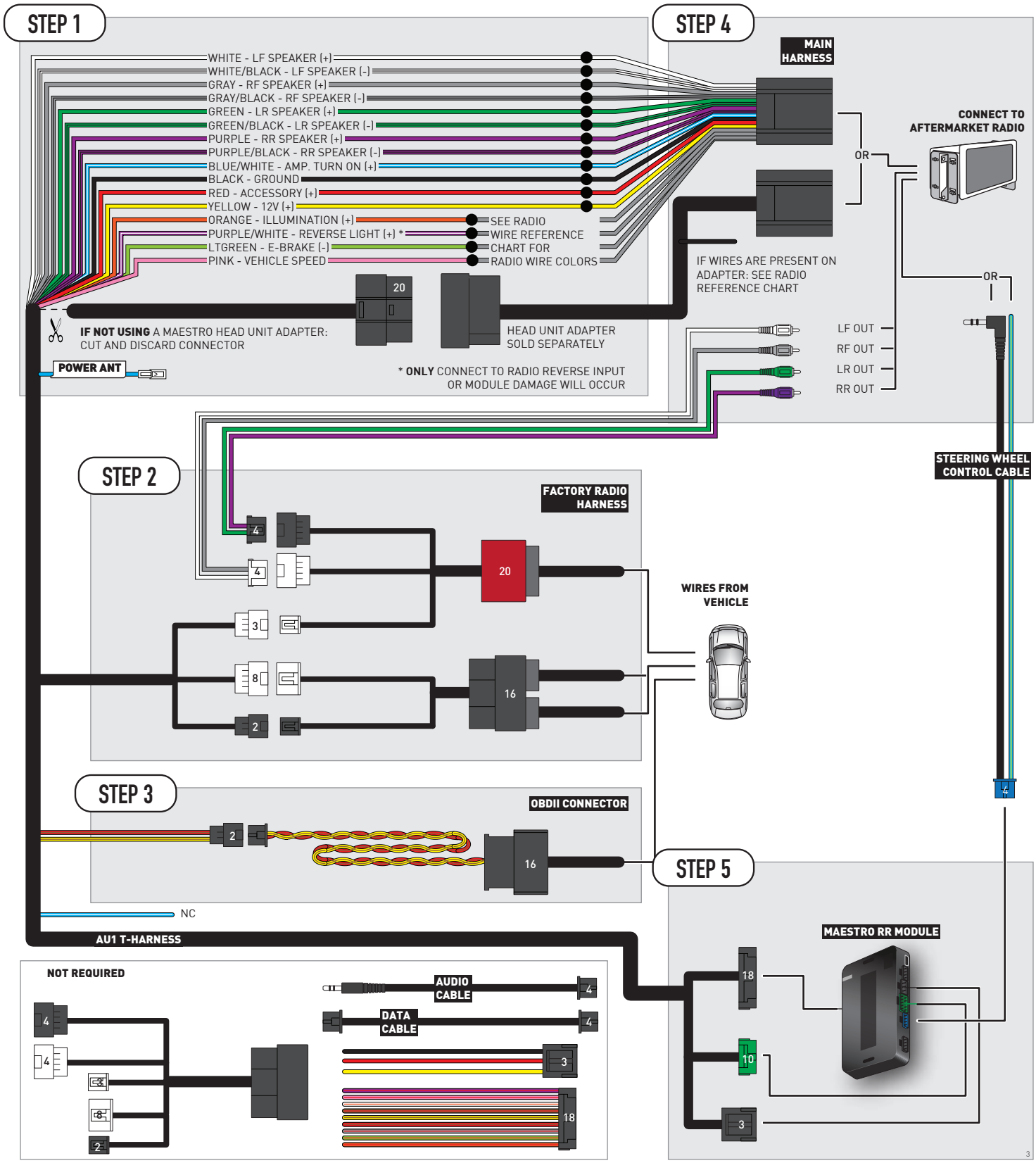
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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

2004-2005
AUDI ALLROAD
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

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PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

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STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

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

STEP 4

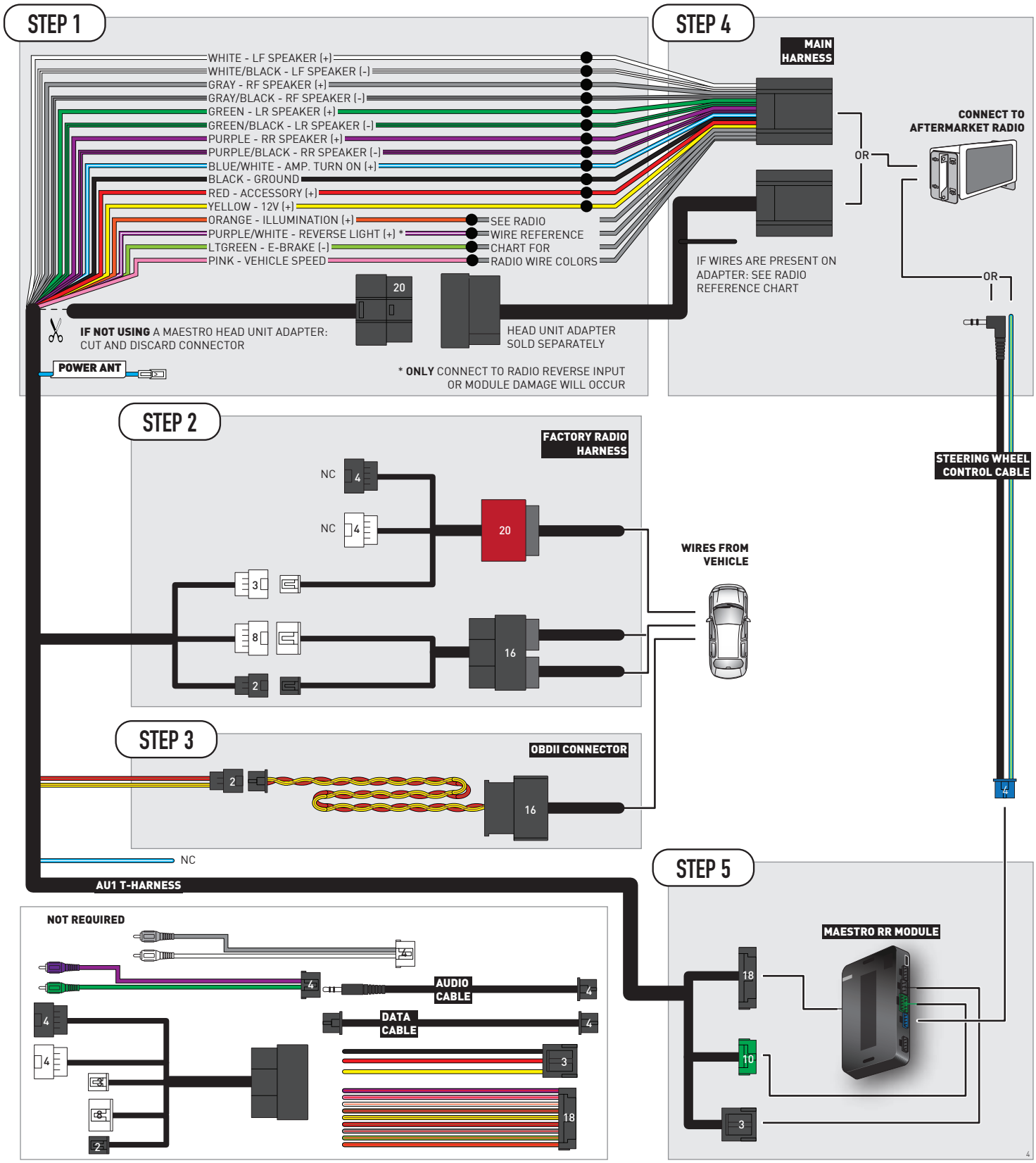
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

4

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

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
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E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	Blue/Yellow

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

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LED 1 Module/Firmware status	LED 2 (RR2) 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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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
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INSTALL GUIDE

2007-2015
AUDI R8
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

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ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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WELCOME

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

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

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

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Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

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

STEP 4

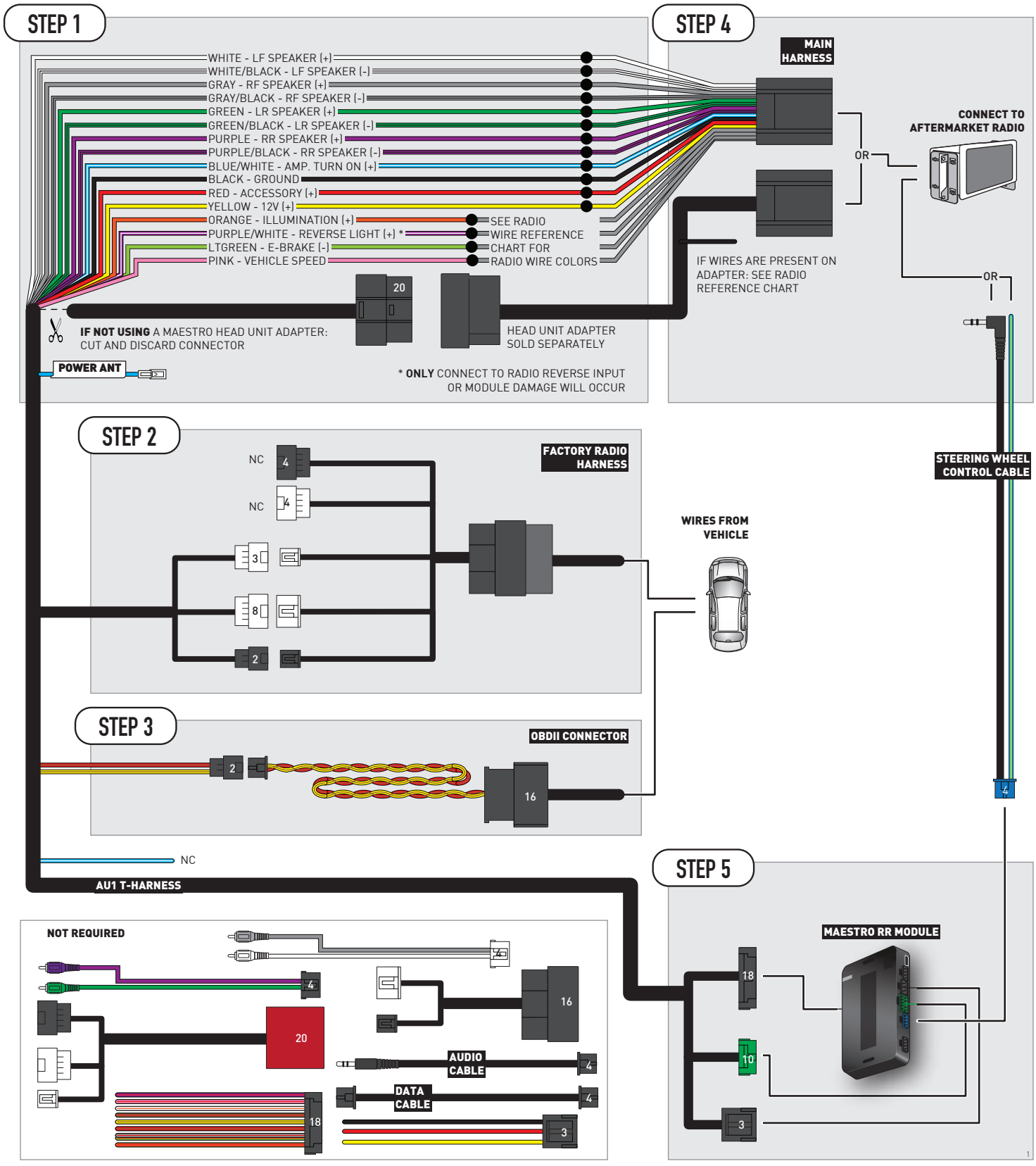
- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2006-2015
AUDI TT
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

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

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WELCOME

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

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

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

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the RCA cables into the aftermarket radio outputs.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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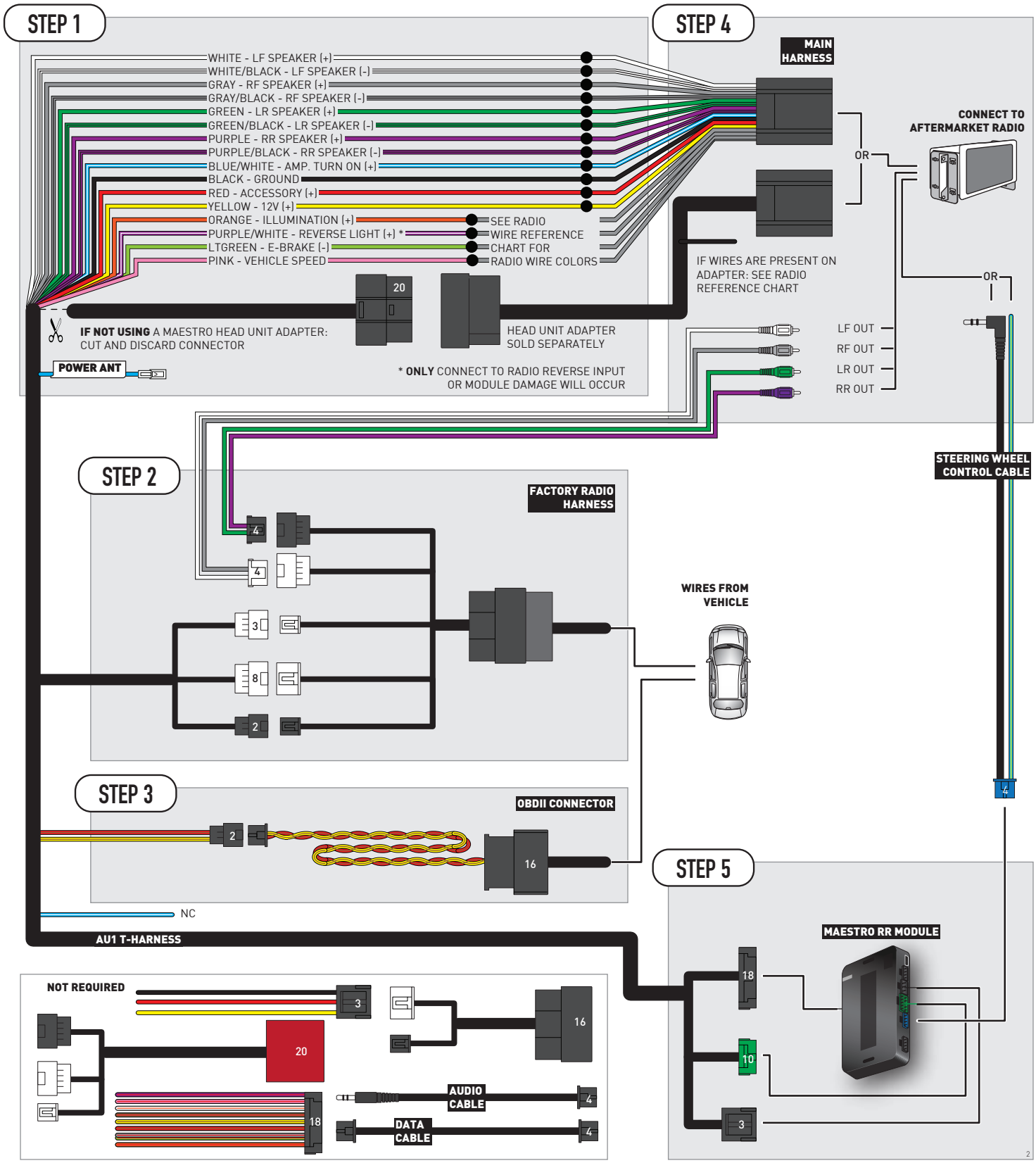
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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 RR RESET PROCEDURE:

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

2006-2015
AUDI TT
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-AS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

HEAD UNIT ADAPTER:

ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect AU1 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 AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.

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

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

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

STEP 4

- Plug the harnesses into the aftermarket radio.
- Connect either the blue/yellow wire (Kenwood/JVC) or the 3.5mm to the steering control input of the radio.

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- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

1

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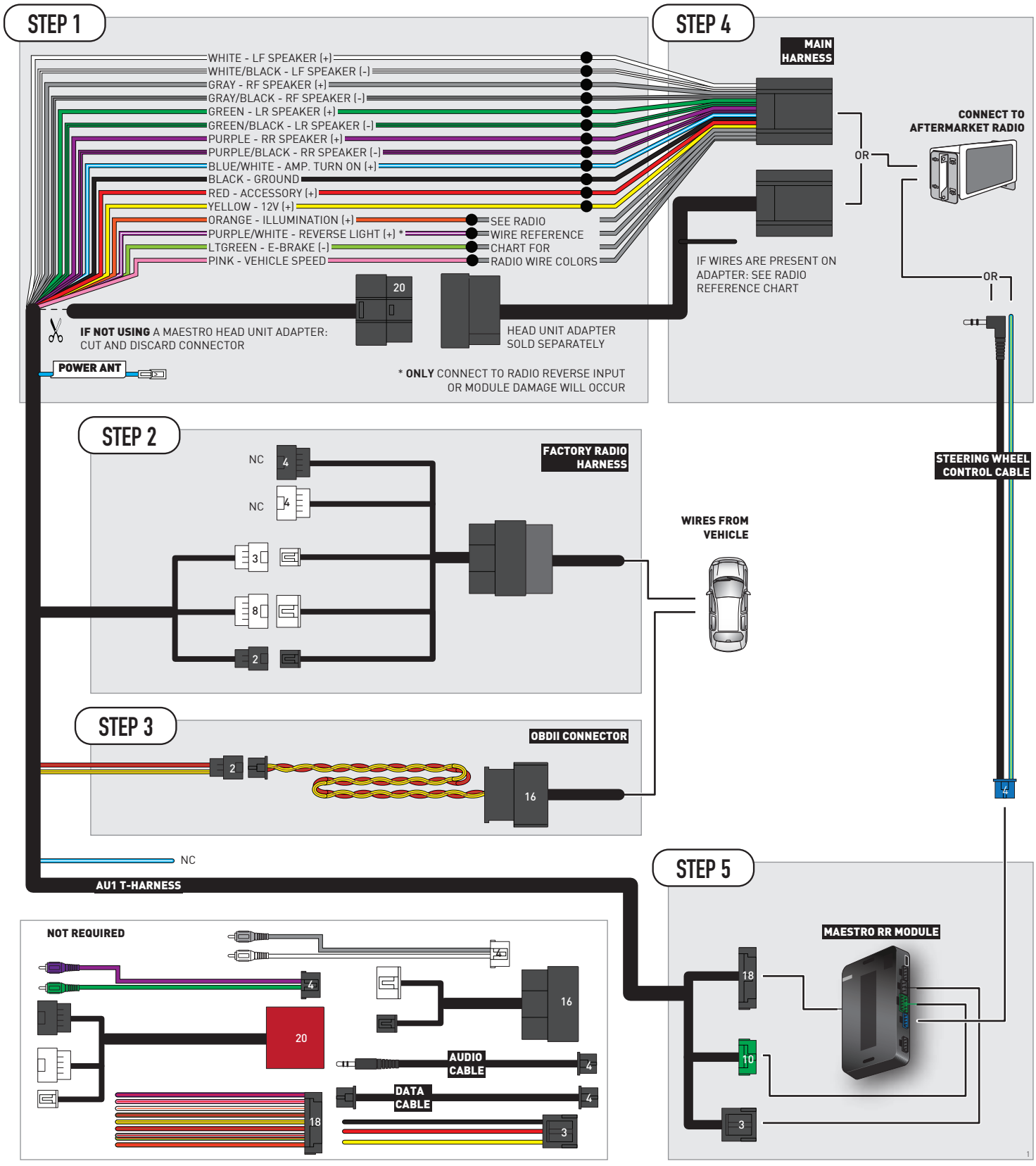

RADIO WIRE REFERENCE CHART

AU1 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
●		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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Steering wheel controls do not work but LED on the Maestro does blink when steering wheel buttons are pressed.	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. 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. Refer to radio's owner's manual to verify if the radio has this function: • 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.
The radio does not turn 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. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

MAESTRO RR 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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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

2008-2013
AUDI A3
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the RCA cables into the aftermarket radio outputs.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

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

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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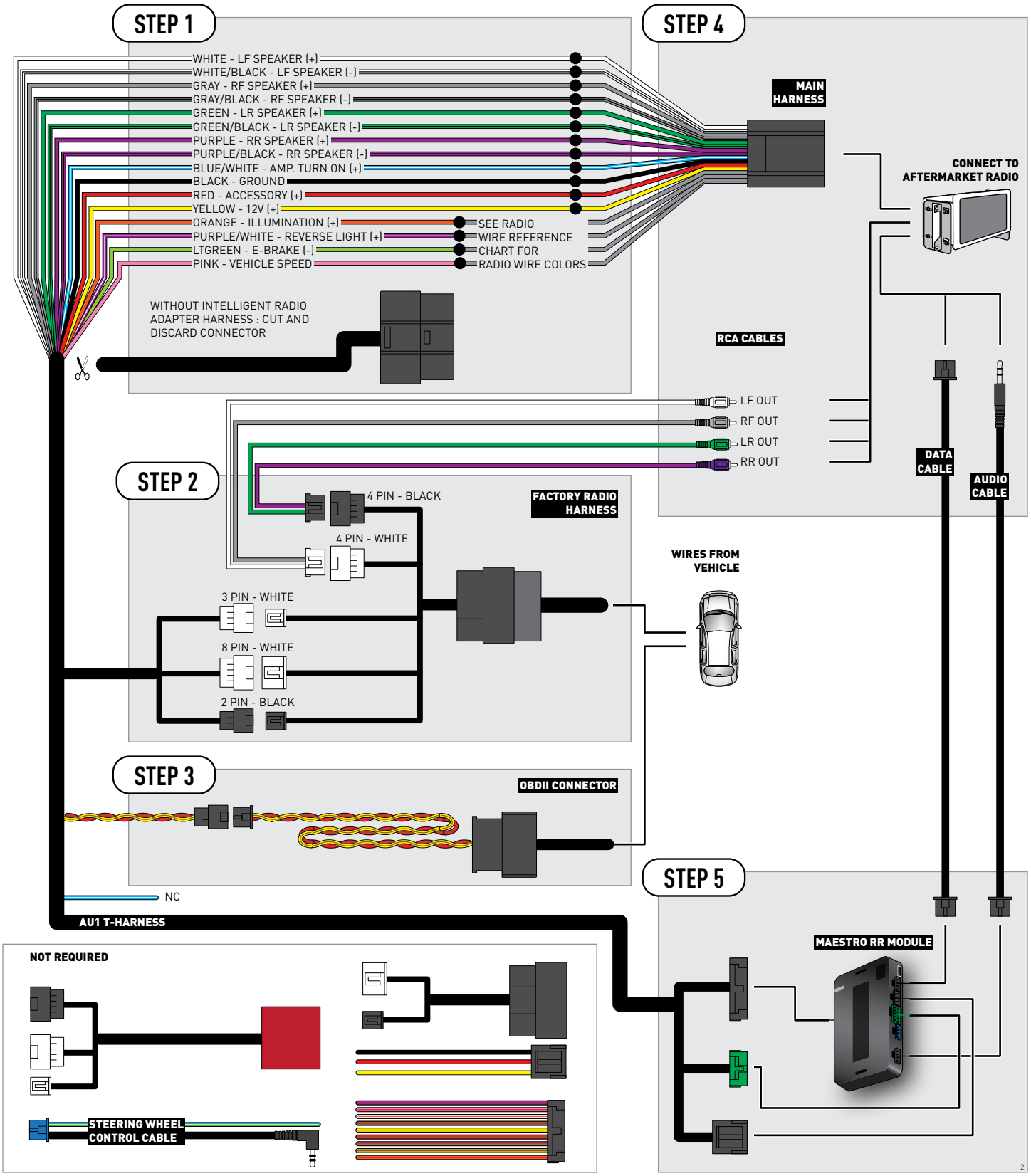
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2006-2007
AUDI A3
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

WELCOME

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

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

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NEED HELP?

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maestro.support@idatalink.com

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

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Determine which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory radio harness(es) to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

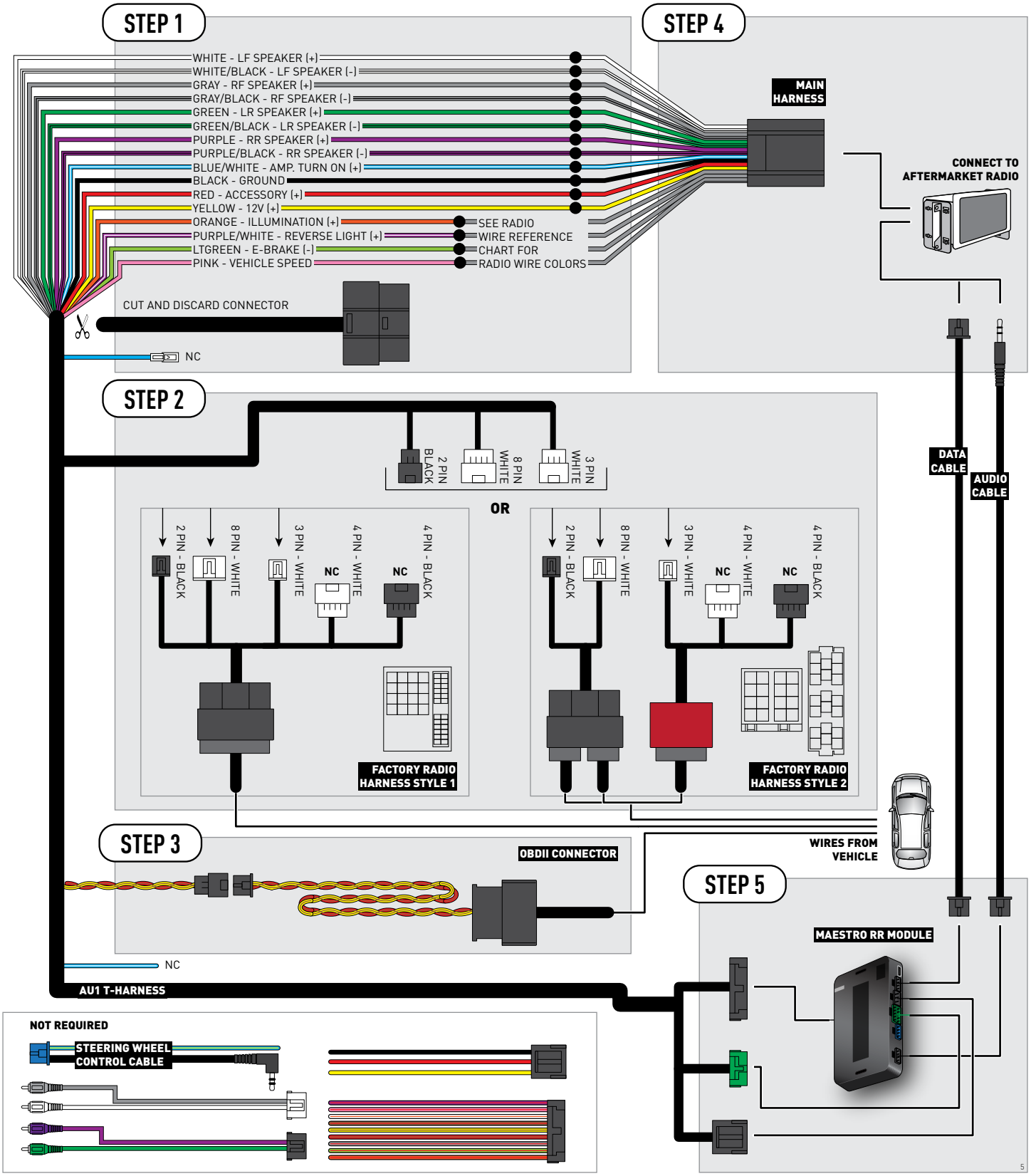
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

5

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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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INSTALL GUIDE

2008-2013
AUDI A3
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

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www.12voltdata.com/forum

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

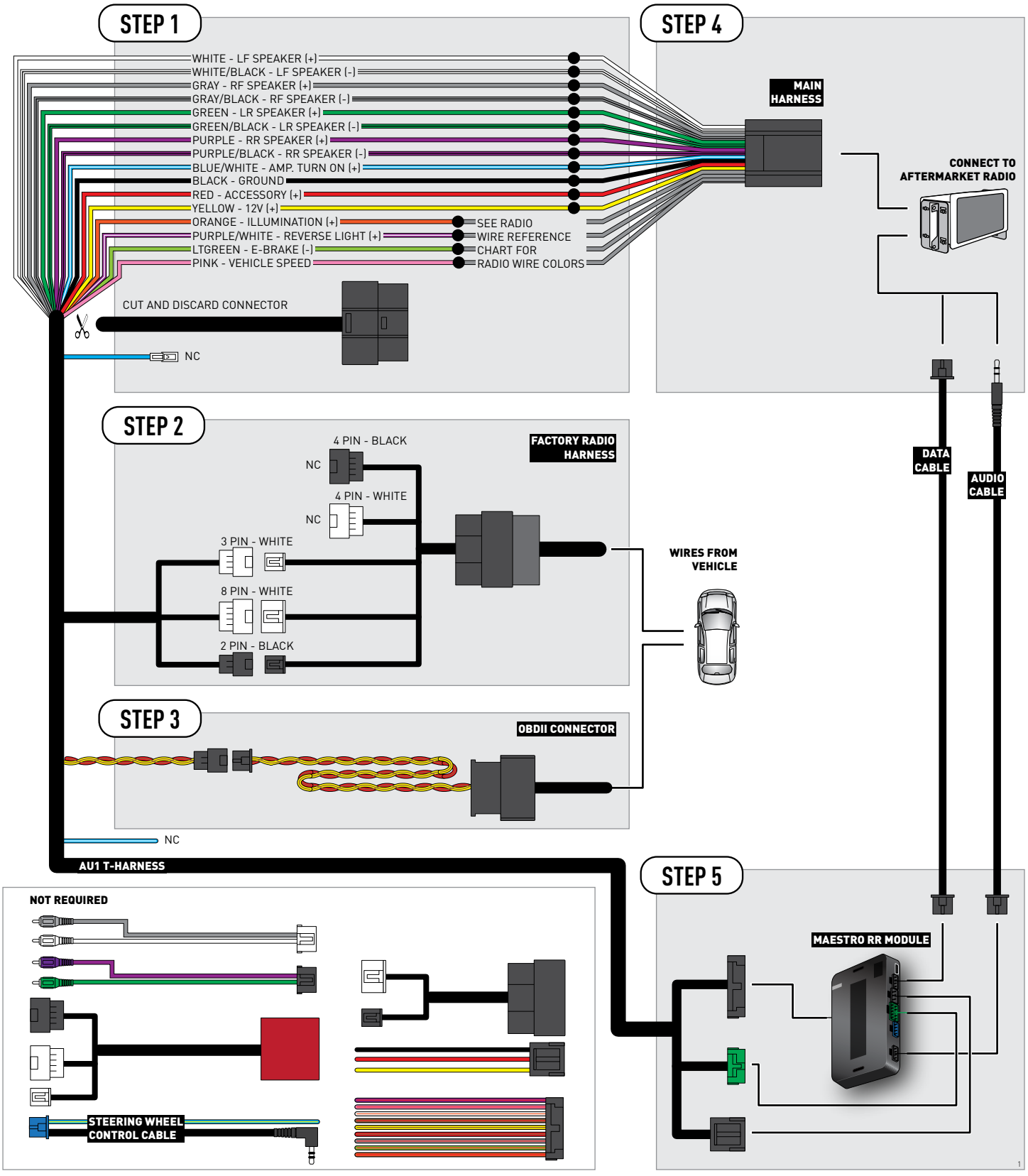
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2004-2008
AUDI A4
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

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Radar Installation Guides

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NEED HELP?

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maestro.support@idatalink.com

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

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Determine which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory harness(es) to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the RCA cables into the aftermarket radio outputs.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

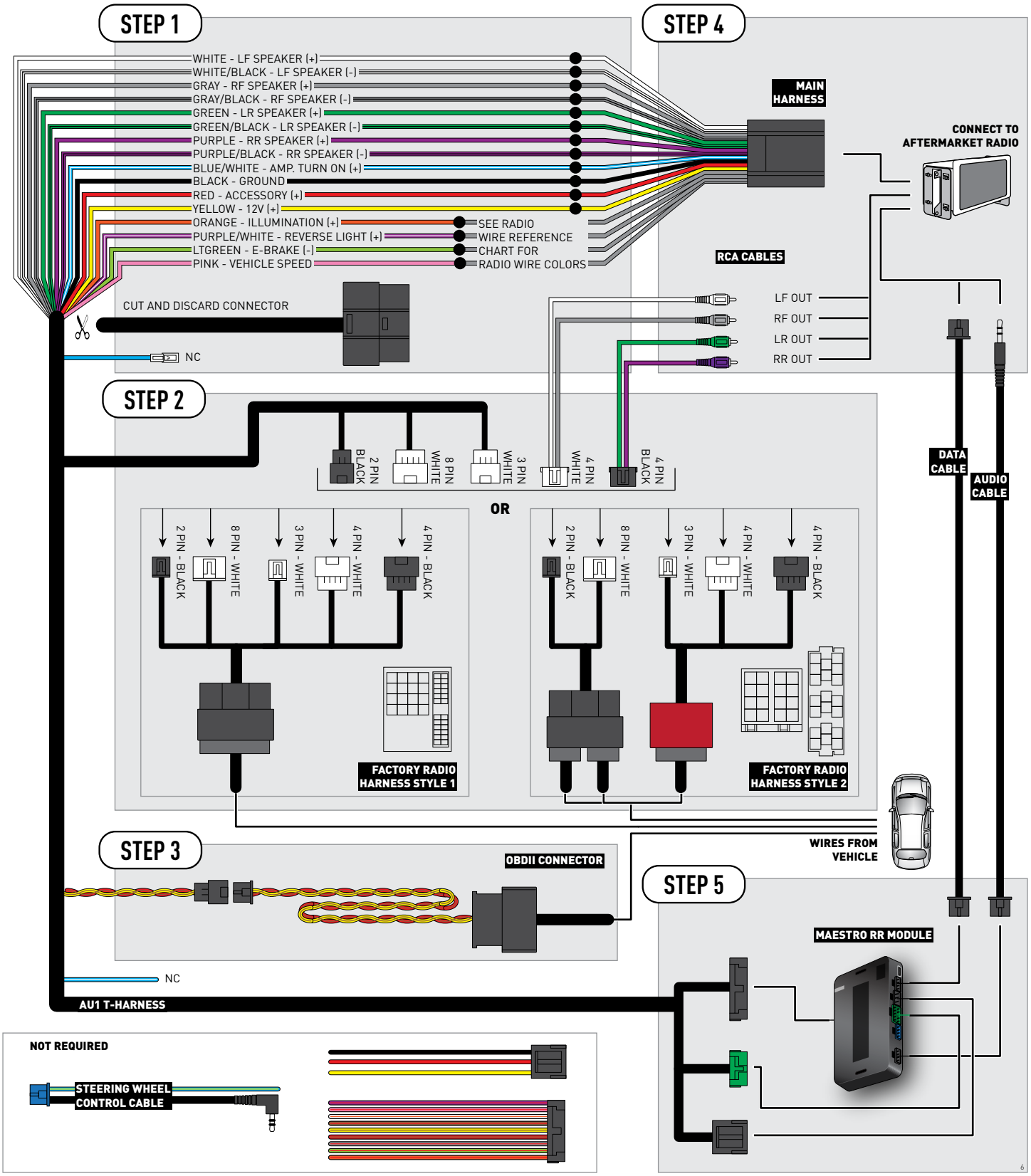
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

6

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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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MAESTRO RR 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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INSTALL GUIDE

2004-2008
AUDI A4
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

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NEED HELP?

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- Remove the factory radio.

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- Determine which style of radio harness is present in your vehicle.
- Assemble the AU1 T-harness as shown in the wiring diagram (style1 OR style2).
- Connect the factory radio harness(es) to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

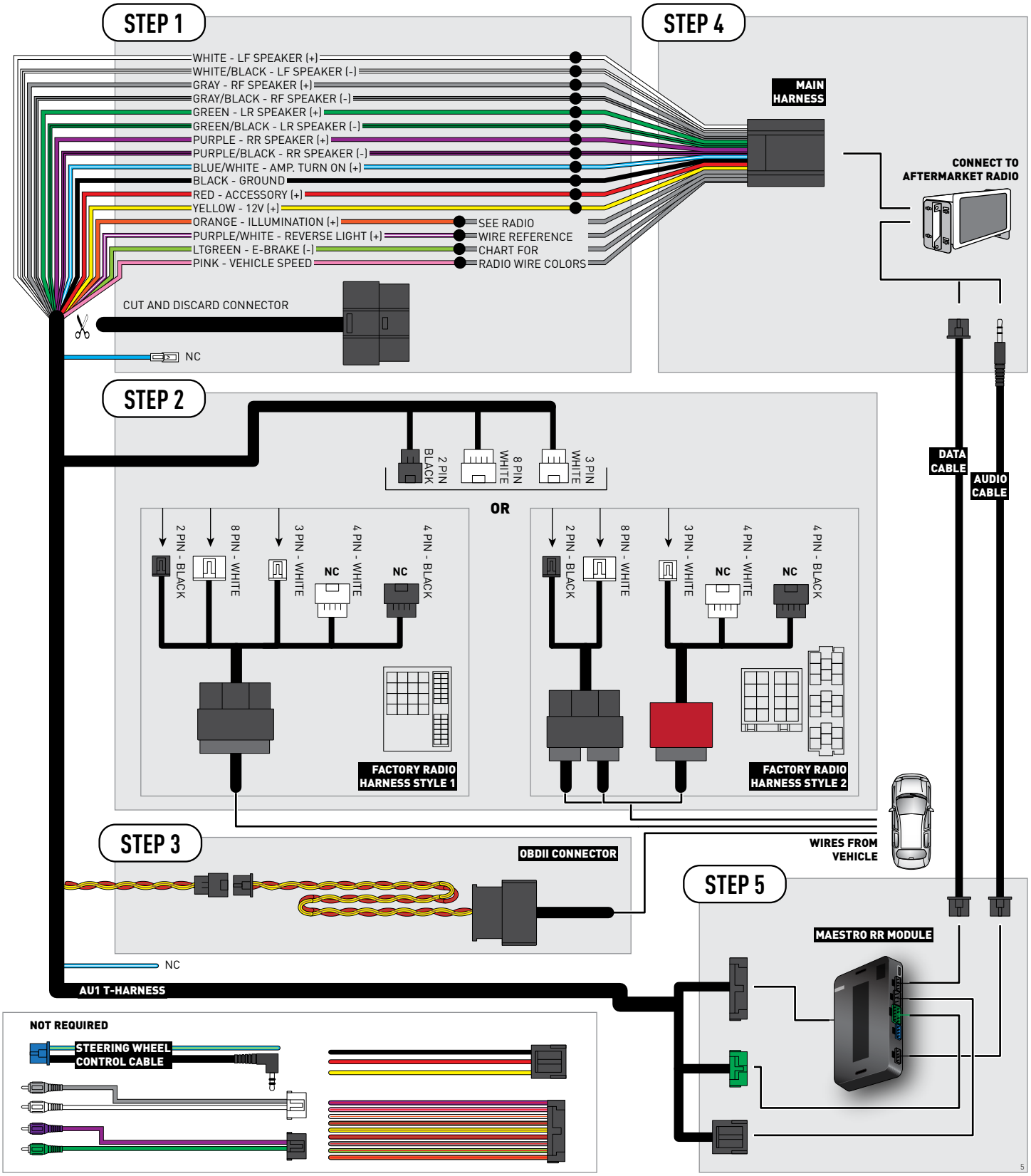
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

5

WIRING DIAGRAM



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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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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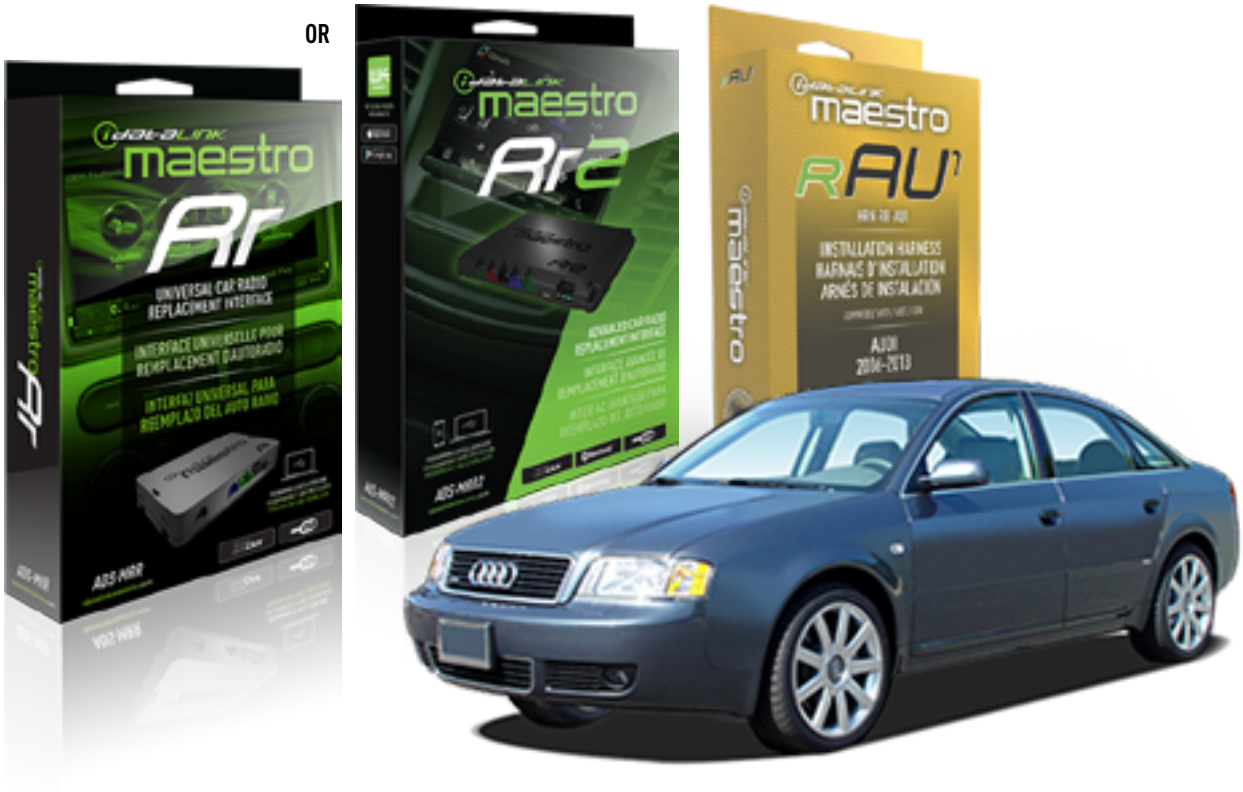
INSTALL GUIDE

2004
AUDI A6
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!



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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

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

INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the RCA cables into the aftermarket radio outputs.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

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

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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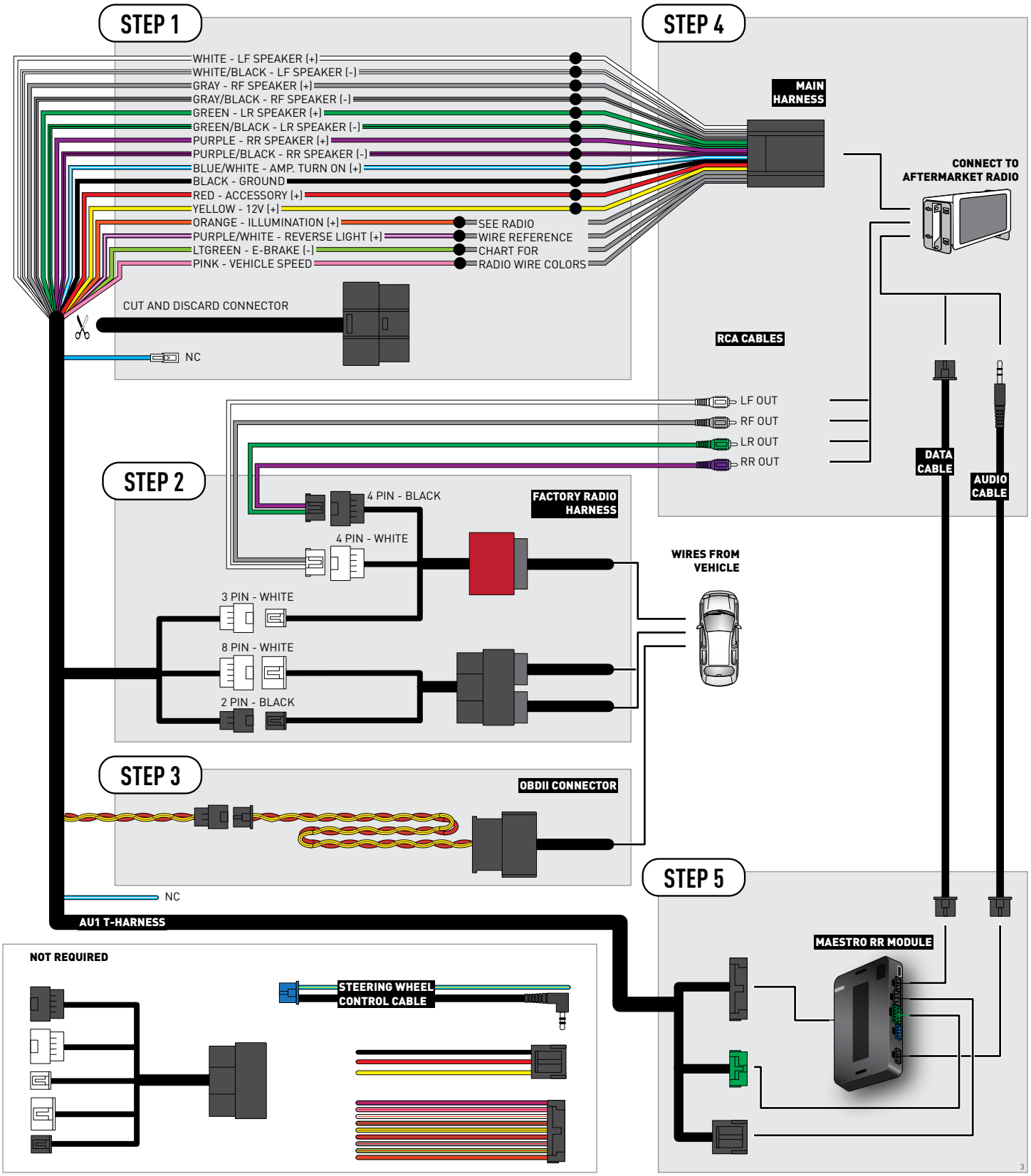
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2004
AUDI A6
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

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- Remove the factory radio.

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory radio harnesses to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

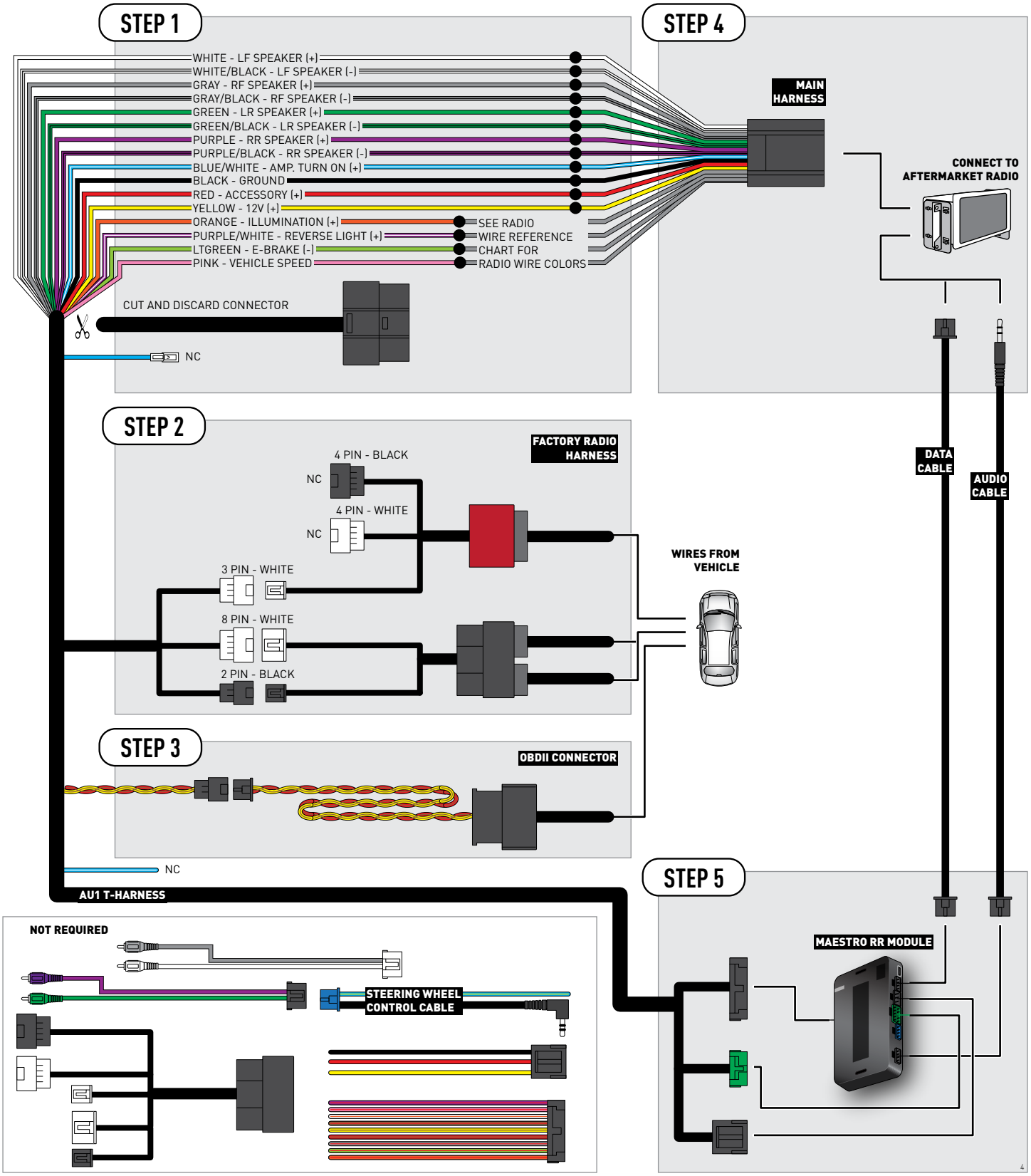
On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

4

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

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
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INSTALL GUIDE

2004-2005
AUDI ALLROAD
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

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PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

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- Connect the 2-pin BLACK connector to the OBDII extension harness.
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- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

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

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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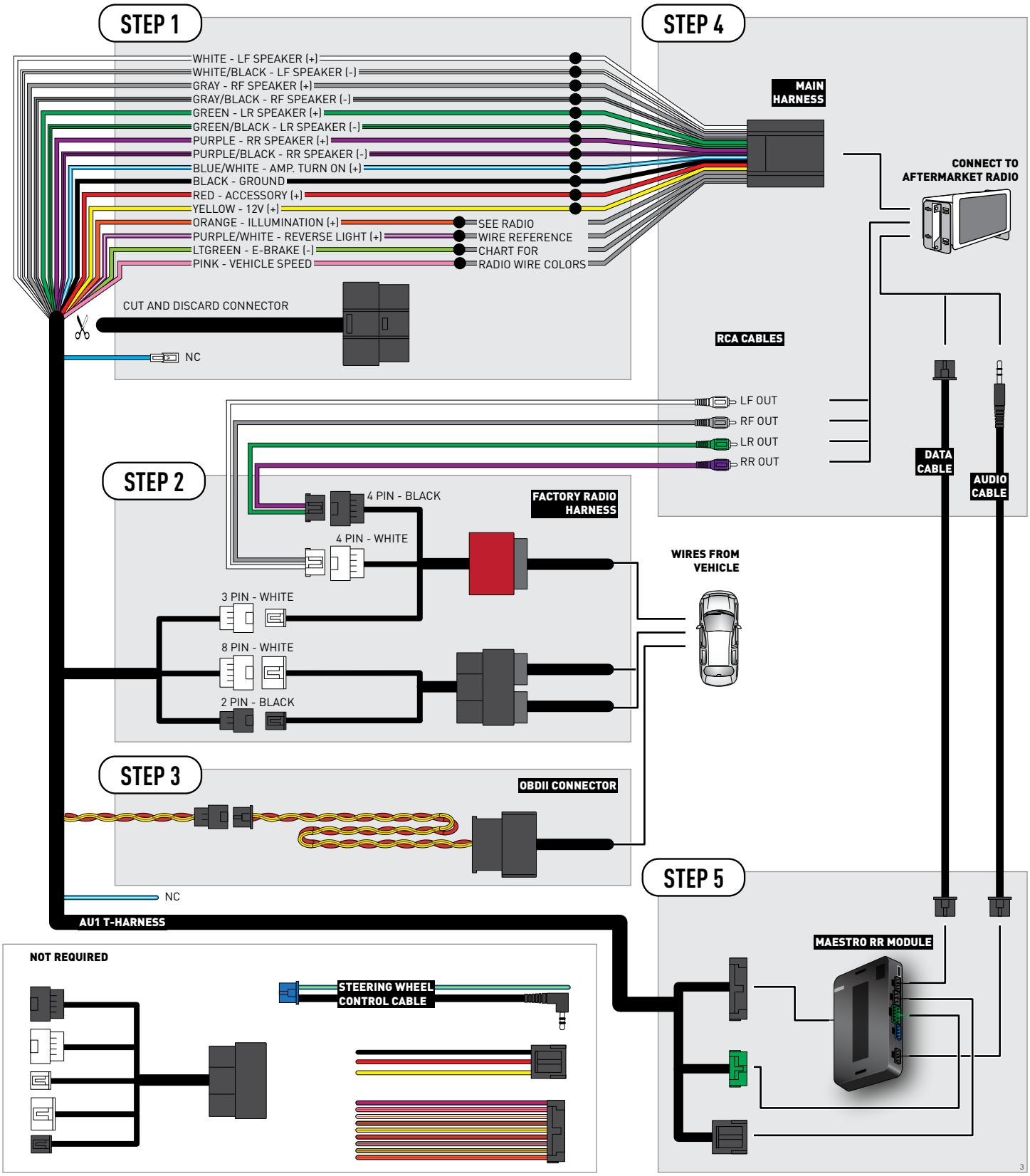
WIRING DIAGRAM



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INSTALL GUIDE

2004-2005
AUDI ALLROAD
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

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ADS-RR(SR)-AUD1-DS

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STEP 4

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4

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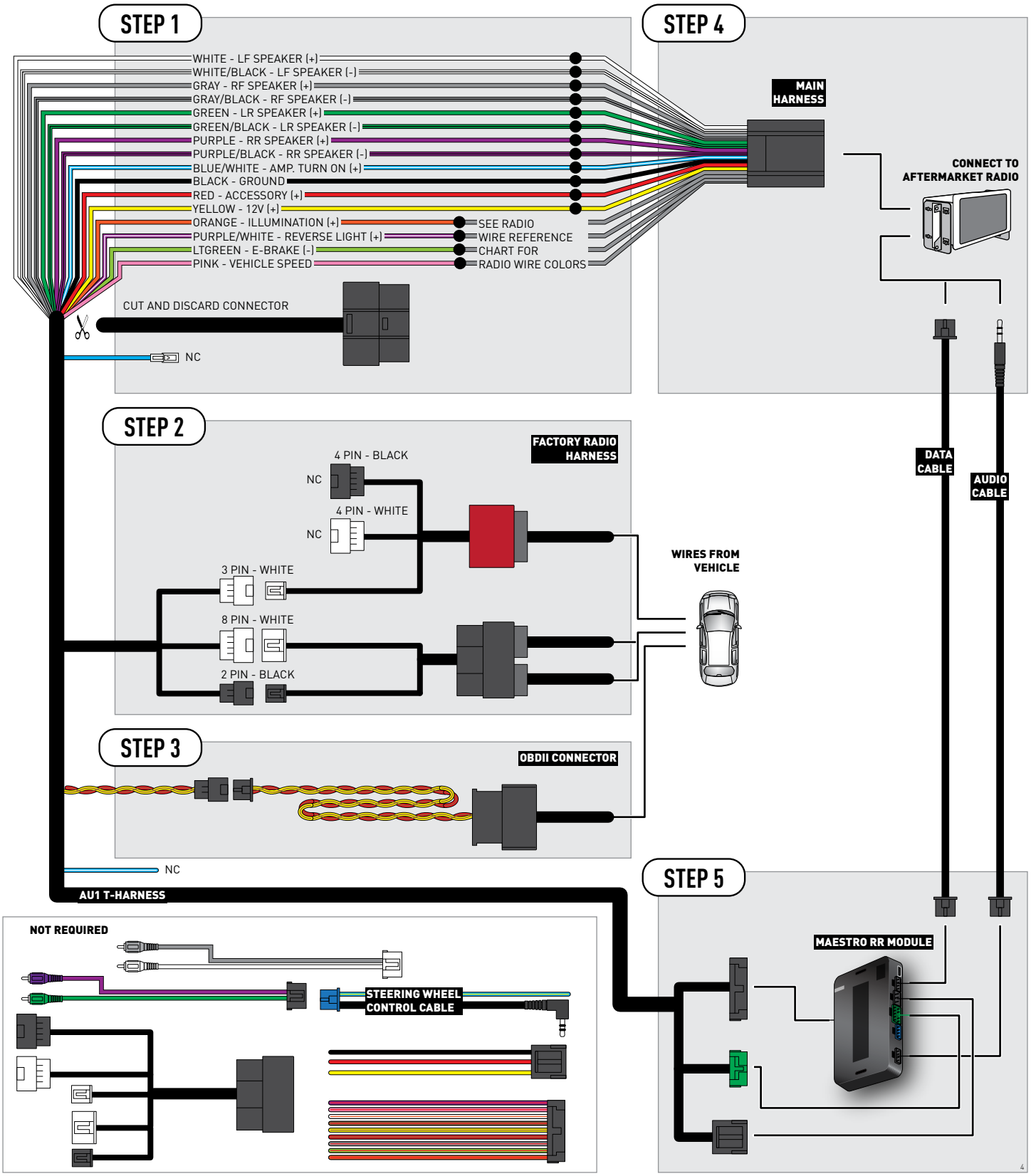

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INSTALL GUIDE

2007-2015
AUDI R8
WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

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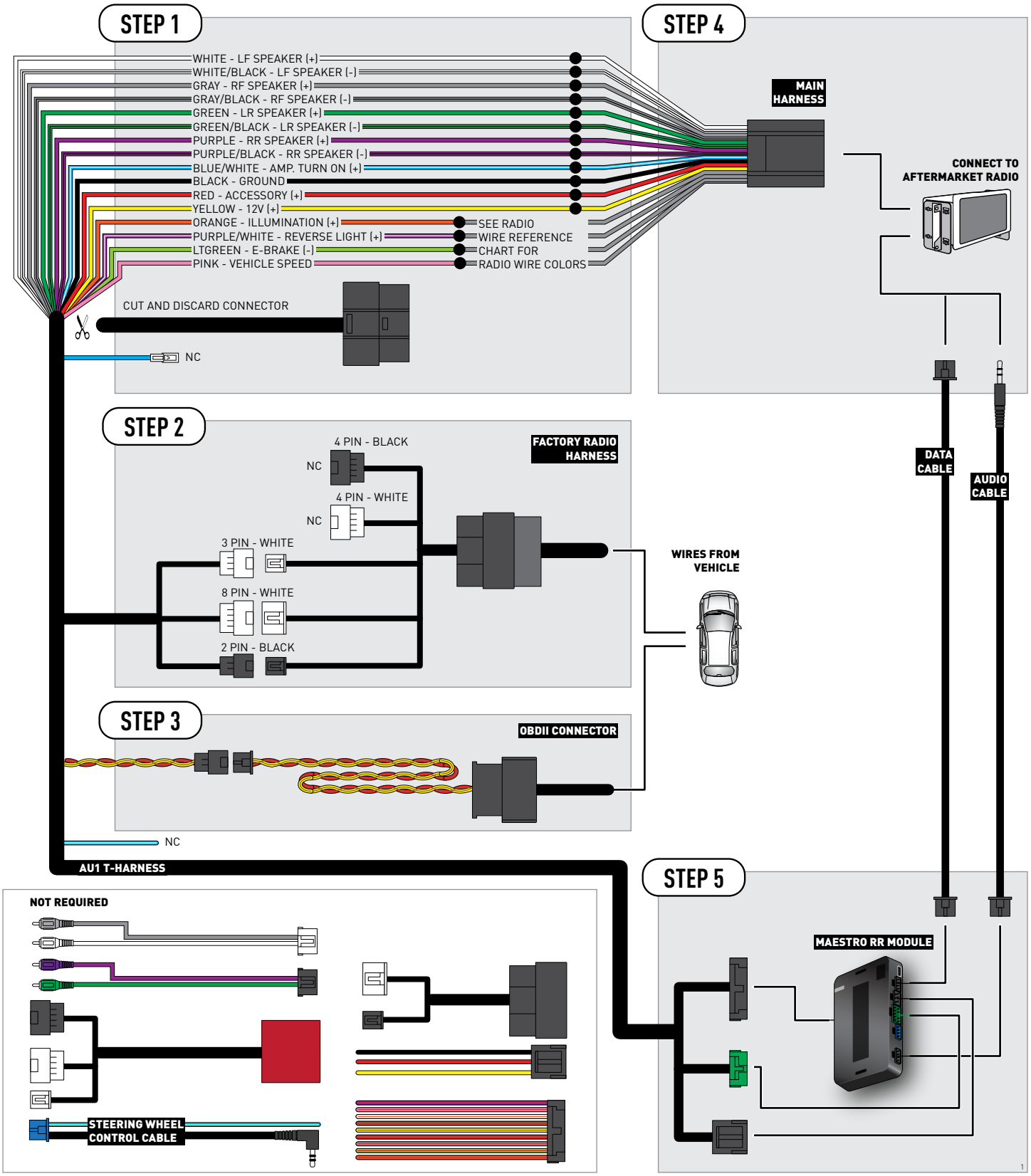

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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS

LED 1 Module/Firmware status	LED 2 (RR2) 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 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 radio is **NOT** turning on.	If installing a floating screen type 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.

MAESTRO RR 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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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

2006-2015
AUDI TT
WITH AMP

RETAINS STEERING WHEEL CONTROLS, OEM AMPLIFIER AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro AU1 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-AUD1-DS

ADDITIONAL RESOURCES

Maestro RR2 Programmable Outputs Guide

OPTIONAL ACCESSORIES

K40 ELECTRONICS
ESCORT

Click here for:
Radar Installation Guides

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

WELCOME

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

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

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

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Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

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maestro.support@idatalink.com

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the BLACK 20 pin connector from the AU1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the AU1 T-harness and match the wire functions.
- Remove the factory radio.

STEP 2

- Assemble the AU1 T-harness as shown in the wiring diagram.
- Connect the factory harness to the AU1 T-harness.

STEP 3

- Connect the 2-pin BLACK connector to the 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.
- Plug the RCA cables into the aftermarket radio outputs.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

Notes

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

STEP 5

- Connect all the harnesses to the Maestro module (as shown in the diagram) then test your installation.

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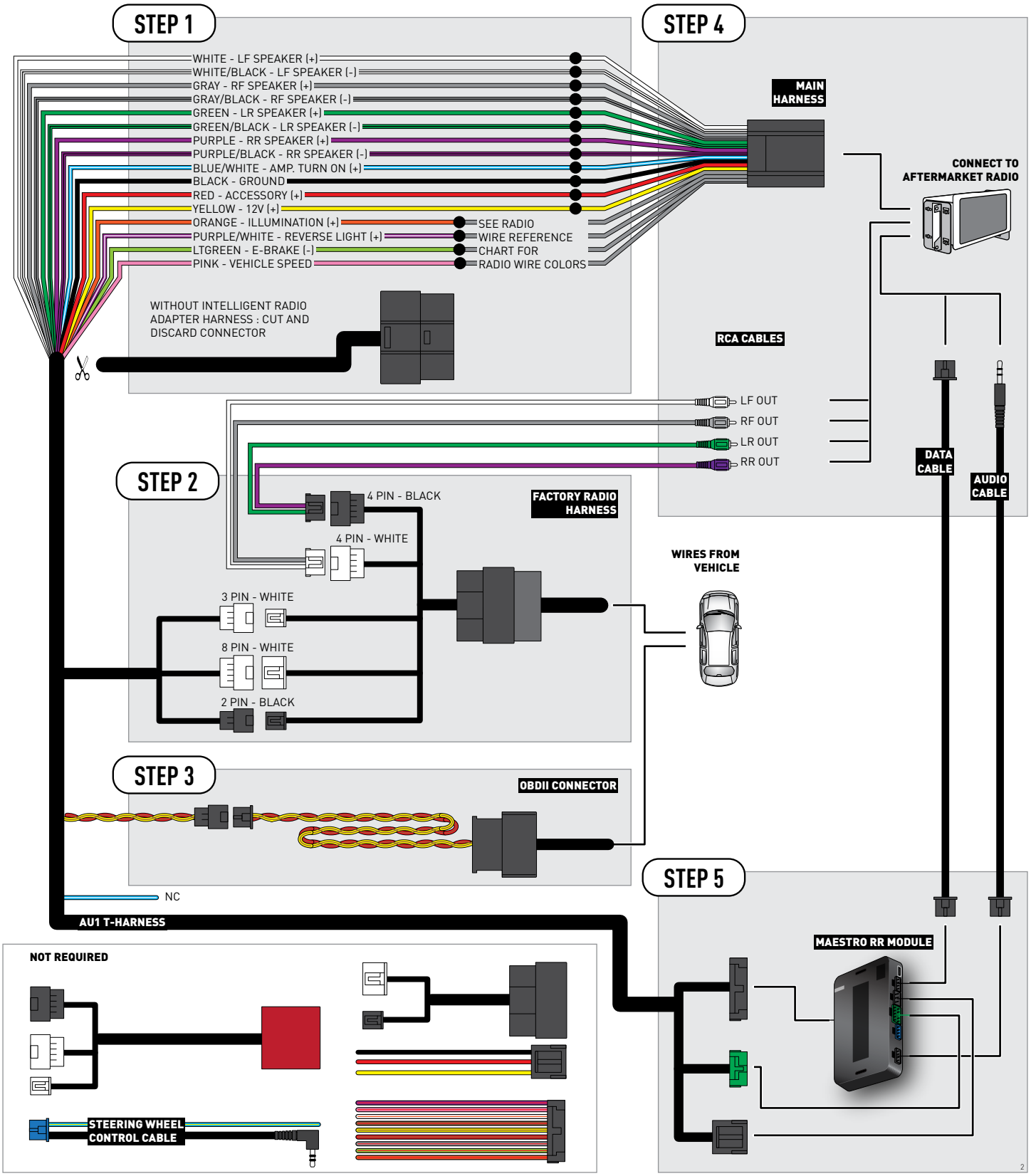
WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
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1

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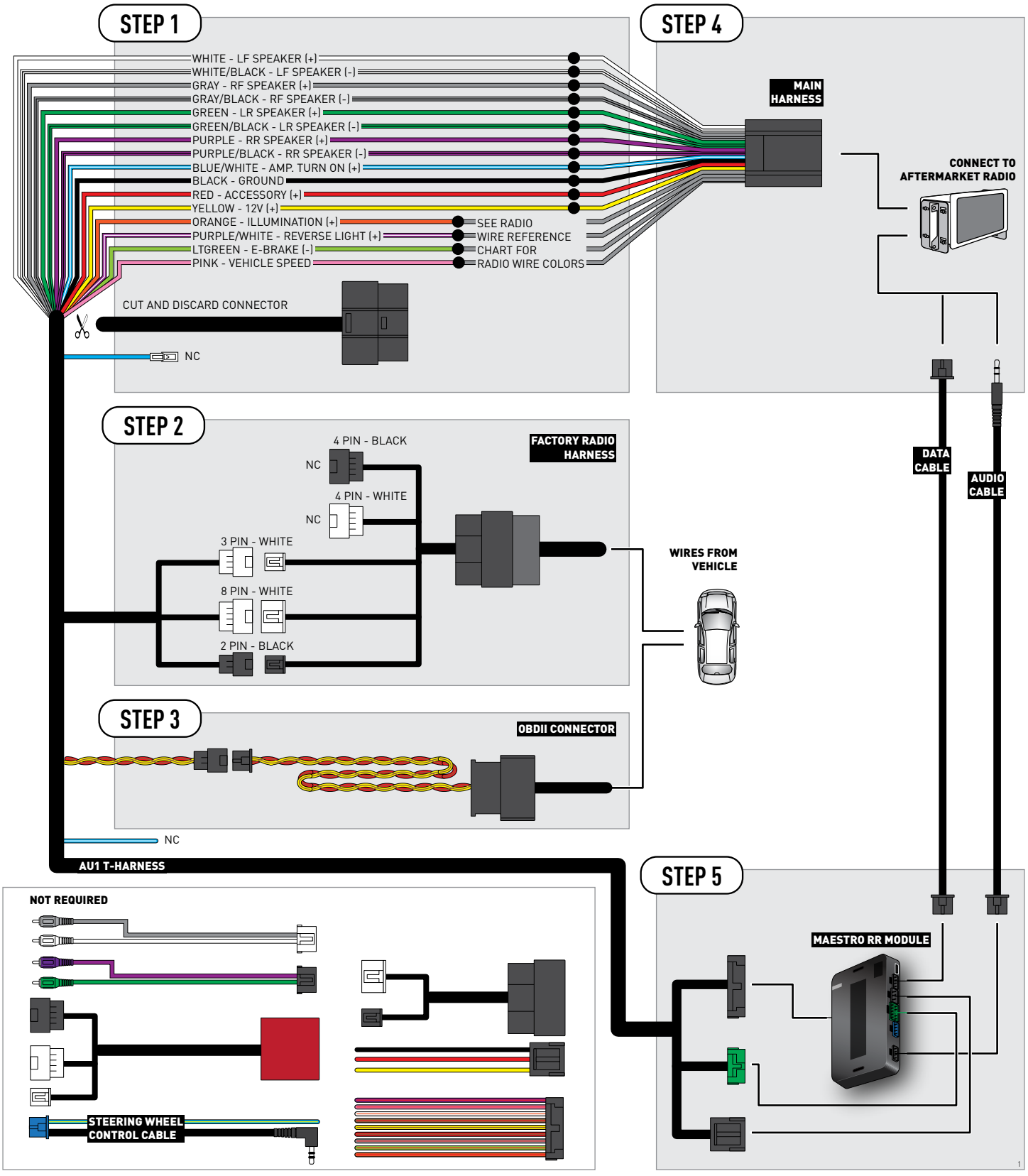

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