VINLAND

CUSTOM-FIT CAR STEREO FOR
JEEP WRANGLER 2018-2023 GLADIATOR 2020-2023

VISION series
INSTALLATION MANUAL

Contents

Before Installation

1. Notification

Warning

- New system updates may be released, which may include changes made or newly added functions that are not mentioned here.
- Users can contact customer support to download the latest Installation Manual.
- The information in this manual may be insufficient. If you have any questions or problems concerning your unit that are not covered in this manual, consult customer support.

Tools you may need to prepare yourself in advance:

- Plastic pry tools
- Socket wrench (7mm or 10mm depending on your stereo)
- Screwdriver
- Electrical tape
- Scissor
- Wrench
- Screw Tray/Box
- Cable Ties

2. Packing List

No.	Image	Item
1		Custom-fit Radio
2		Maestro RR module

3		Plug and Play T-Harness
5		AUX Adapter
6		4-in-1 Antenna (GPS/WIFI/4G-ANT)
7		Tri-band Audio with Remote Receiver
8		mini USB Adapter
9		CH3 Radio Antenna Adapter
10		Small Speaker

| 11 | | USB to 4 Pin: USB 1 Phone Link |
| 12 | | USB to 6 Pin: USB 2 External Storage |
| 13 | | 4G SIM Slot Cable |

Chapter 1 Maestro RR Configuration

To ensure proper operation and communication with your vehicle, please install Weblink Desktop before using the Maestro RR. It is essential for device configuration, data transfer, and remote management.

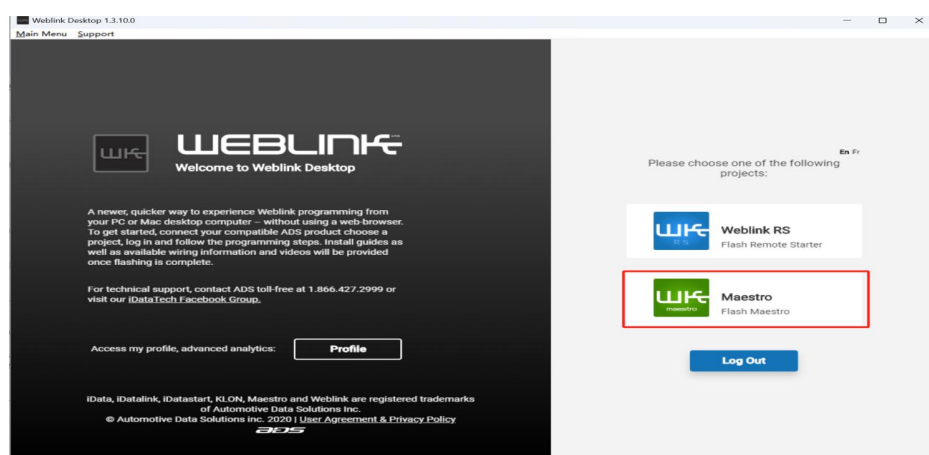## 1. Download and Install Weblink Desktop Software

Go to https://www.weblinkupdater.com/weblinkdesktop/en and download the Weblink Desktop software.
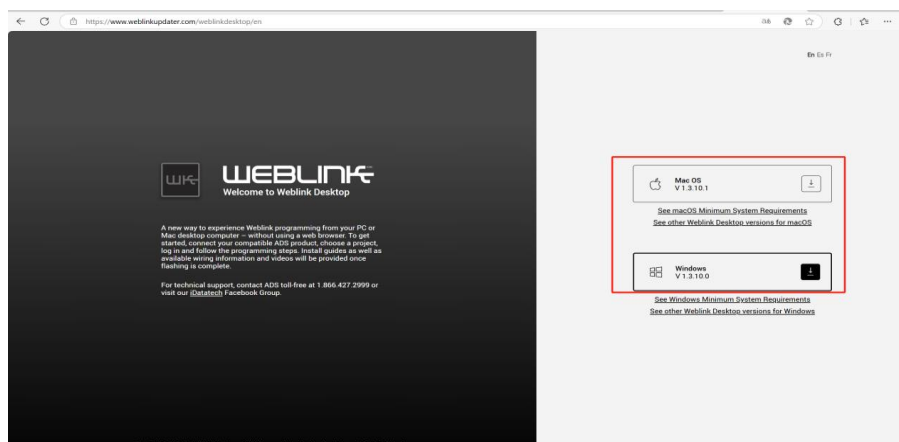
2. Create or log in to your Weblink account.
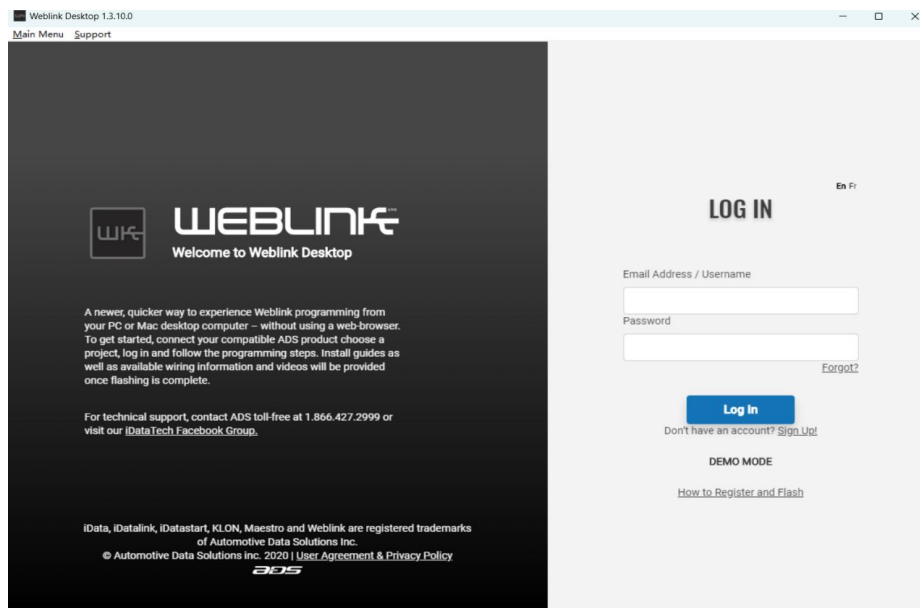
3. Connect the Maestro RR module to your computer using a USB cable (in Maestro RR package) and select the "Maestro Flash
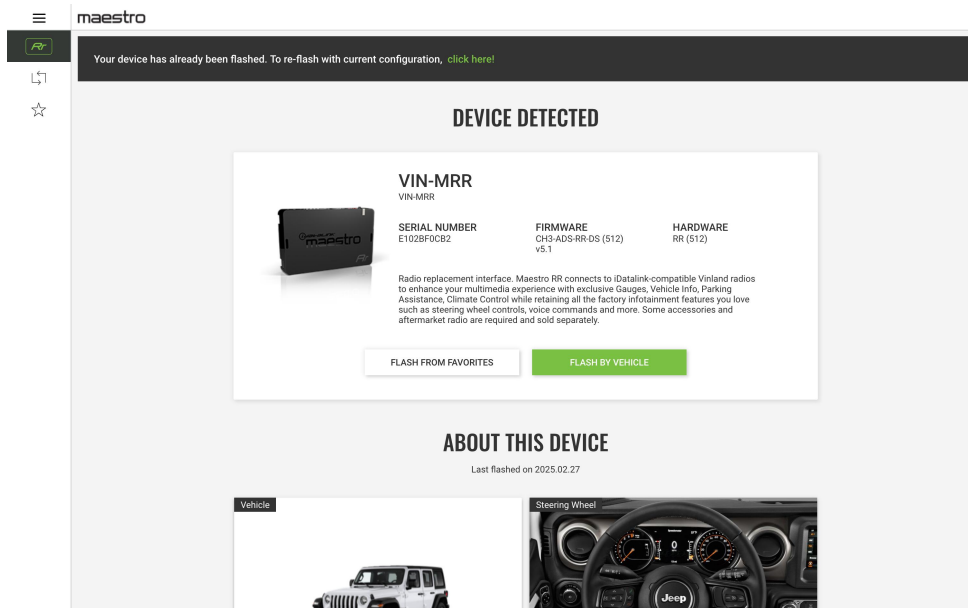

Maestro " .

4. Identify the Module Information

Weblink Desktop will automatically detect the connected Maestro RR module and display

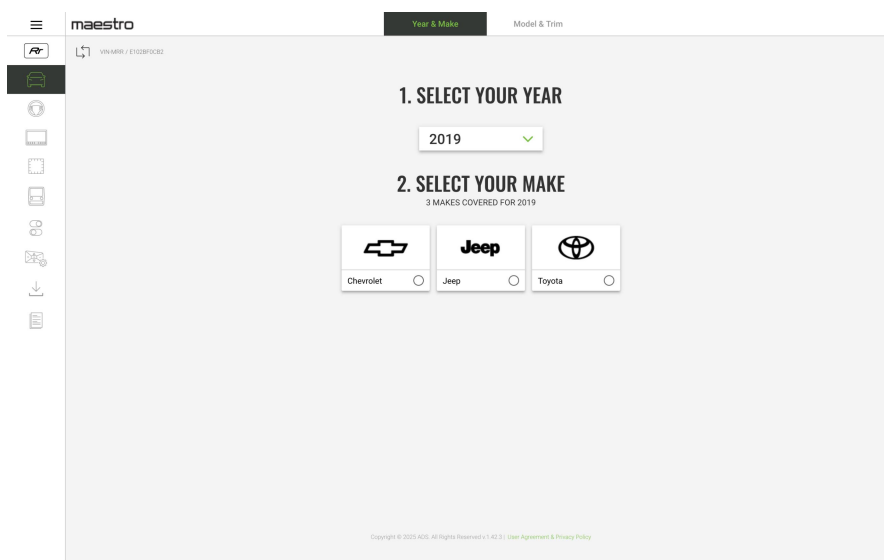its information (e.g., serial number and current firmware version).
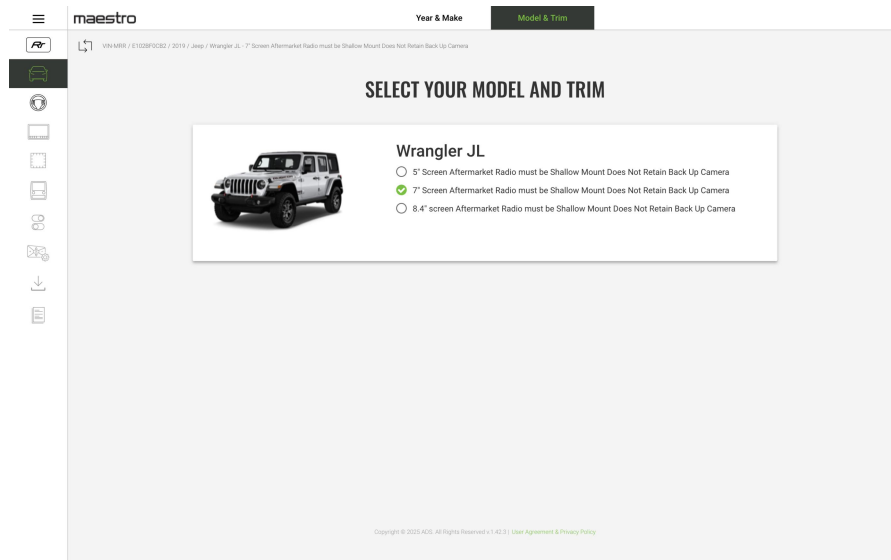
Tap "FLASH BY VEHICLE" to process.

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5. Select Vehicle and Head Unit Information

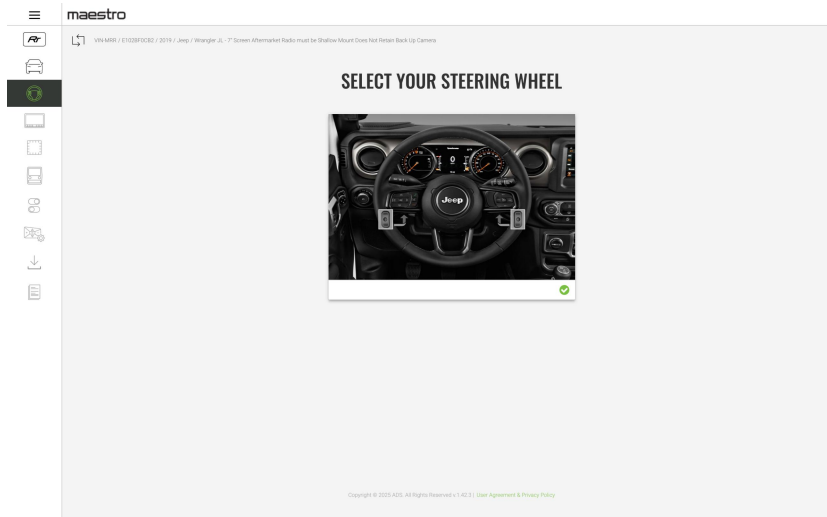Input the required details in the following order:

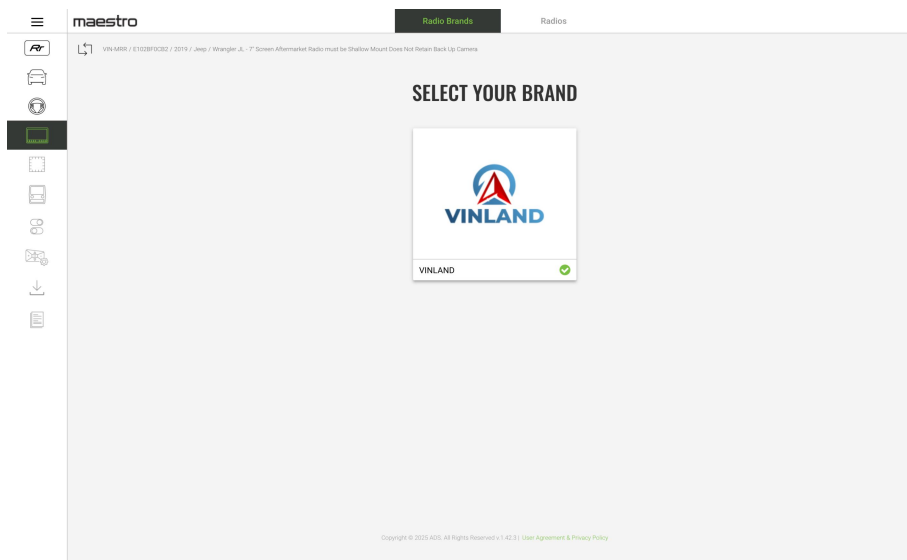## ① Select vehicle manufacturing year and vehicle brand
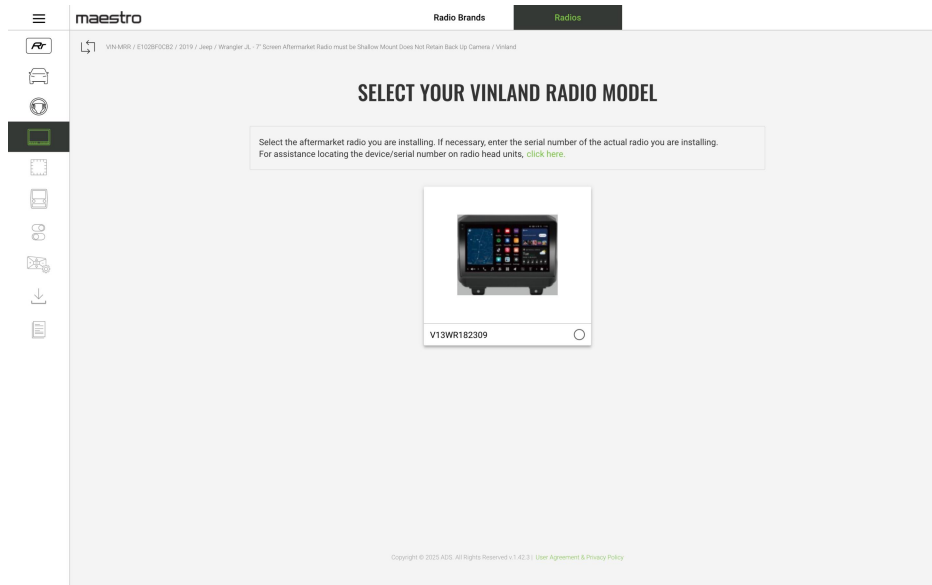
② Select model and configuration

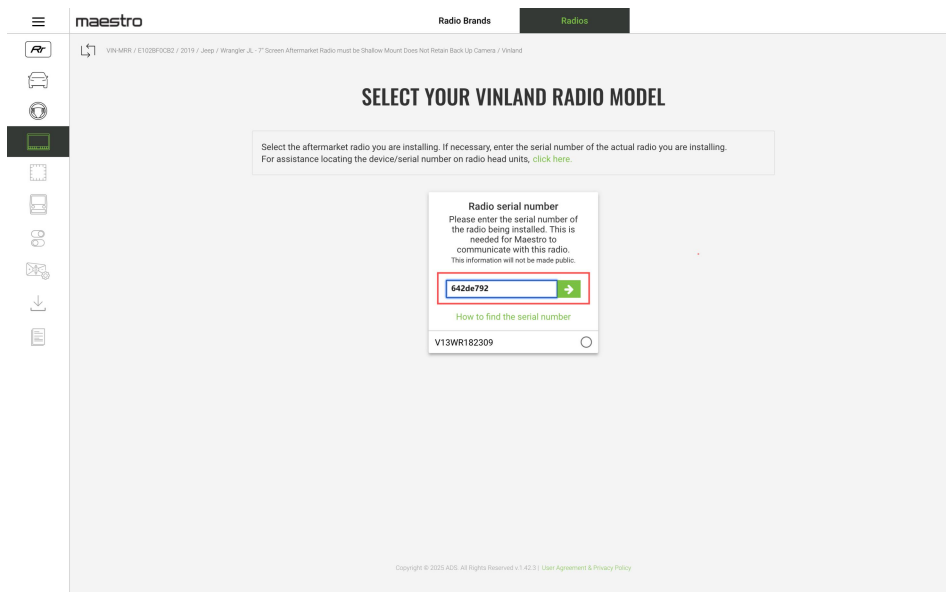## ③ Select your steering wheel

④ Select the head unit brand - VINLAND

⑤ **Select the specific model that matches the head unit you purchased.**

⑥ **Enter the car stereo 8-digit Serial Number which is ticketed on the back of the head unit, find and enter it.**

Each head unit has a unique Serial Number. Please refer to the one on your device.

⑦ Select the firmware version

6. Select the accessories you are using

7. Configuration

The system will automatically choose the recommended settings for your screen. If no changes are needed, just click CONTINUE to move on to the next step.

8. Customize Steering Wheel Control Functions

Default steering wheel button functions will be displayed in the interface.

Modify the button assignments as per user requirements, if necessary, and save the settings.

9. Review & Flash Firmware

Review the firmware version, custom settings, and vehicle/head unit info.

Click "FLASH" to update the Maestro RR module. Do not disconnect the module or USB during the process.
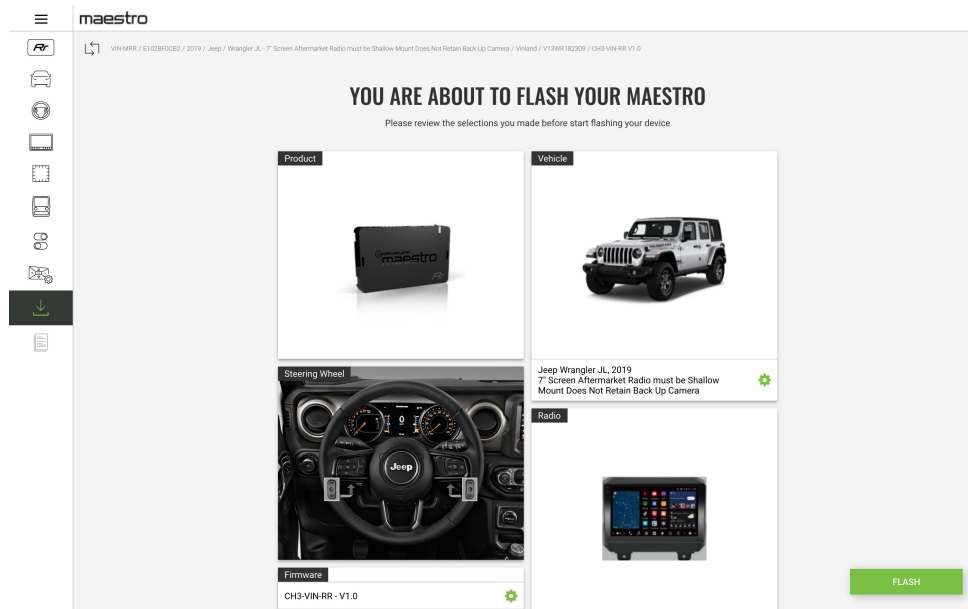
10. Complete the Flashing Process

Once the firmware update is complete, you will see a "Flash Successful" message.

Download the installation guide for the module and proceed with the next steps for in-vehicle installation.
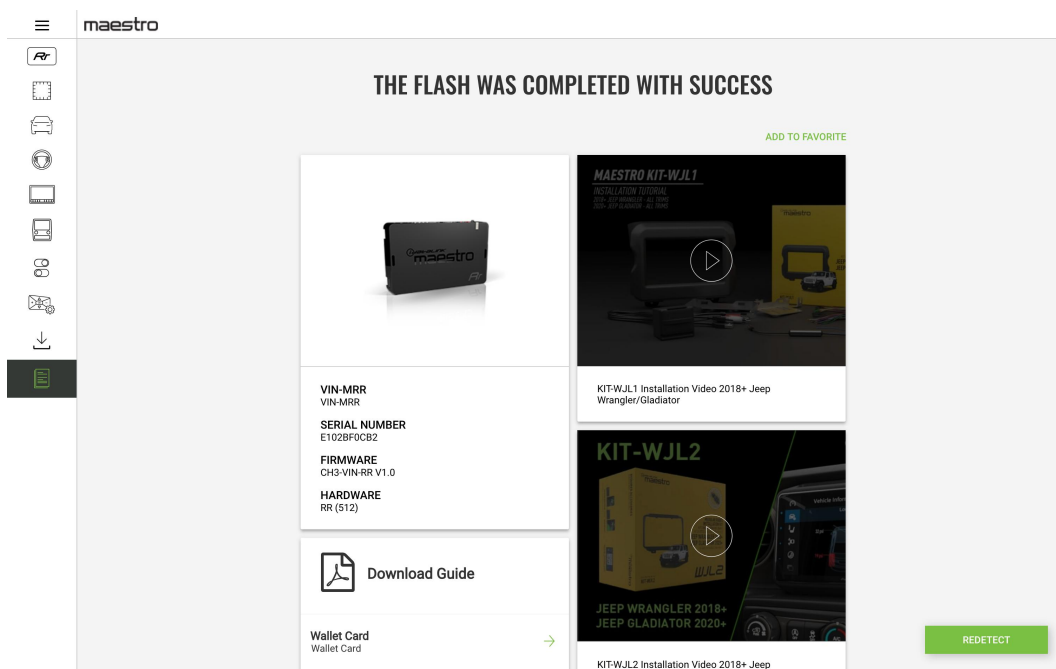
Chapter 2   Inputs/Outputs
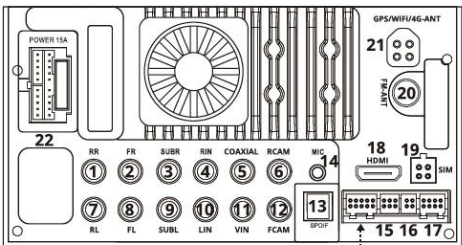
1. Rear Right Audio Output
2. Front Right Audio Output
3. Subwoofer Output Right
4. Right Channel Auxiliary Audio Input
5. Coaxial Output
6. Rear Camera Input
7. Rear Left Audio Out
8. Front Left Audio Out
9. Subwoofer Output Left
10. Left Channel Audio Input
11. Video Input
12. Front Camera Input
13. Optical SPDIF Output
14. Microphone Input
15. USB2 External Storage

16. USB1 Recording Storage
17. Rear Recording Camera Input
    Front Recording Camera Input
18. HDMI Input
19. 4G LTE Adapter Interface
20. F-M-ANT-Radio Antenna input
21. 4-in-1 Antenna-4G/WiFi/GPS
22. Car Stereo Fuse

Chapter 3 Installation Process

1. Disassembly and Assembly

No.	Operation	Image
Part 1 Disassembly		
1	Switch the ignition key to the "OFF" setting.	

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2	Use a plastic pry tool to gently loosen and release the A/C control panel. Then disconnect the wiring harness and antenna from the back	
3	Remove the two screws at the base of radio trim.	
4	Grip the four corners of the unit frame and pull gently to remove it.	
5	Remove the four screws securing the stereo into the dash. Carefully take out the stereo and unplug all connected cables.	

Part 2 Cable Harness Connection

Refer to the detailed wiring connection steps provided below the table.

Part 3 Assembly

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Install the new car stereo along with its panel into the vehicle. Reinstall the A/C control panel	

2. Cable Harness Connection

STEP 1

①Connect the main harness of the HRR-CH3 T-harness to car stereo Directly.

OR

②Connect the HRR-CH3 harness to the **Power Adapter**.

STEP 2

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

If the vehicle DOES NOT have a factory amplifier:

• Plug the female BLACK connector to the male BLACK connector of your HRR-CH3 T-harness.

• Plug the female WHITE connector to the male WHITE connector of your HRR-CH3 T-harness.

If the vehicle DOES have a factory amplifier:

• Plug the female BLACK connector to the male WHITE connector of your HRR-CH3 T-harness.

• Plug the female WHITE connector to the male BLACK connector of your HRR-CH3 T-harness.

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

STEP 3

• Connect the black 2-pin connector from the extension cable to the CH3 main harness. Route the white ends to the CAN junction block in vehicle (see diagram for location). Unplug any one of the 2-pin white connectors in it. Insert the male white end from the Maestro harness into the junction block and plug the factory 2-pin connector back into the Maestro

female white 2-pin.

STEP 4

Plug the **mini USB Adapter** into vehicle, and the other end to **USB1** cable.

STEP 5

• Plug the harnesses into the car stereo.

• Plug the **CH3 Radio Antenna Adapter** into the car stereo's **FM-ANT** port, and the other end to the vehicle.

• Connect the **AUX Cable** as follows:

Two RCA connectors→ Plug into the car stereo's **RIN** and **LIN** ports.

Other end → Insert the audio jack from the **Audio Cable**.

STEP 6

• Plug the **ADS Data Cable** of the **Power Adapter** to the Maestro RR module.

OR

Plug the data cable from **Main Harness**s to the Maestro RR module.

• Plug the other end of **Audio Cable** into Maestro RR module.

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

WIRING DIAGRAM

[Connection Diagram of 2018-2023 JEEP WRANGLER JL & 2020-2023 JEEP GLADIATOR]

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