

Roinvou Roinvou 9-inch Touch Screen Car Stereo (2G+64G)

Roinvou Car Radio User Manual for Audi A4 S4 RS4 (2002-2008)

Model: Roinvou 9-inch Touch Screen Car Stereo (2G+64G)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Roinvou 9-inch Touch Screen Car Radio, designed specifically for Audi A4, S4, and RS4 models manufactured between 2002 and 2008. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your experience with the device.

2. PRODUCT OVERVIEW AND KEY FEATURES

The Roinvou Car Radio is an advanced multimedia system offering a range of features to enhance your driving experience. Key functionalities include:

- **Compatibility:** Designed for Audi A4 S4 RS4 models from 2002-2008, with a plug-and-play cable for seamless integration.
- **Wireless CarPlay & Android Auto:** Connect your smartphone via Bluetooth for access to navigation, calls, music, and apps on the large screen.
- **Mirror Link:** Supports iOS/Android mirror link via wired USB or wireless Wi-Fi to display phone content on the stereo screen.
- **Bluetooth 4.0:** Enables hands-free calling and music streaming with faster transmission speeds.
- **Built-in DSP:** Digital Sound Processor for fine-tuning audio modes.
- **FM/RDS Radio:** High-quality radio for real-time traffic, news, and weather.
- **Wi-Fi & GPS Navigation:** Built-in offline maps with online map updates via Wi-Fi. Supports various apps like YouTube, TikTok, and Spotify.
- **HD Reversing Camera Support:** Includes a backup camera for easier parking.
- **Steering Wheel Control (SWC):** Supports original steering wheel button learning for convenient control.
- **Display:** 9-inch IPS Touch Screen with 1024x600 resolution.
- **System:** Android 13 with 2GB RAM and 64GB ROM.

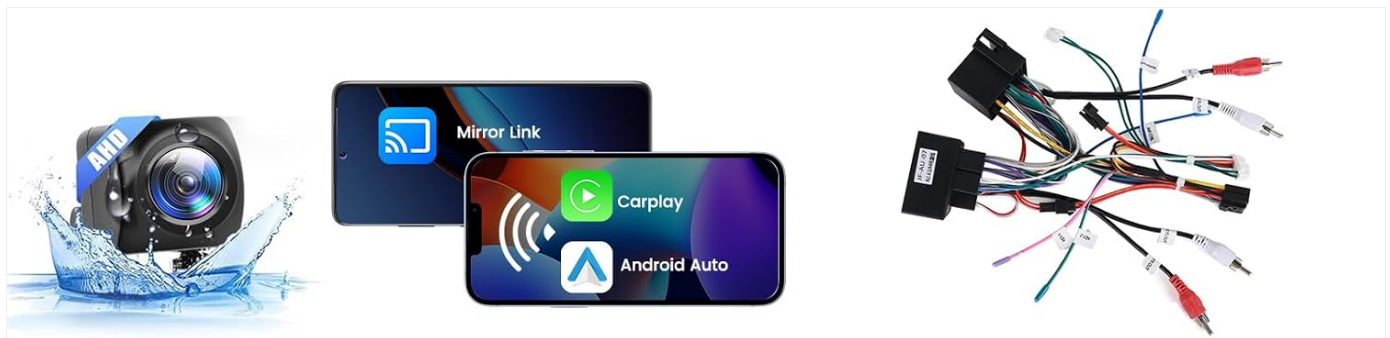


Image: The Roinvou 9-inch car radio seamlessly integrated into an Audi A4 dashboard, showcasing its user interface with various application icons. A backup camera and wiring harnesses are also shown in the top corners.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Roinvou Car Stereo Unit
- Power Cable
- Voice-Frequency Adapter
- Small Microphone
- Dual RCA Harness
- GPS Antenna
- AHD Backup Camera
- External Microphone
- Rear Camera Input Cable

- Dual USB Cable
- Installation Tool & Accessories



Image: A visual representation of the Roinvou car radio unit and its complete set of accessories, including power cables, USB cables, RCA cables, GPS antenna, microphones, and the AHD backup camera.

4. INSTALLATION GUIDE

This car stereo is designed for a plug-and-play installation in Audi A4 S4 RS4 models (2002-2008). No modification or splicing of the factory dashboard is typically required. However, professional installation is recommended due to the complexity of vehicle electronics.

4.1 Pre-Installation Check

- Ensure your vehicle model and year (Audi A4 S4 RS4, 2002-2008) are compatible.
- Disconnect the vehicle's battery before starting any electrical work.
- Carefully remove the existing car radio unit from the dashboard.

4.2 Main Unit Installation

1. Connect the provided power cable to the car stereo and the vehicle's wiring harness.
2. If your Audi has a Symphony II radio system with its own amplifier, you will need to use two RCA plugs for speaker connection.
3. Connect the two 2-pin plugs from the display power connector to the CAN black box controller connector. The ACC (Accessory) signal is typically managed by the CAN controller.
4. Carefully fit the new car stereo into the old radio space. It may be a tight fit.

4.3 Amplifier Connection (Important Note)

For proper amplifier function, select the corresponding AUX FR OUT/AUX FL OUT on the power cable according to your original car interface and connect them to the RCA FR/RCA FL on the RCA cable. Then, connect the power cable amplifier wire to the corresponding amplifier wire on the RCA cable.

If your car is a high-end model, a separate filter box may be required for the amplifier to function correctly. Contact customer support for assistance if needed.

Online/Offline Navigation

Real-time road conditions help avoid traffic jams Accurate satellite positioning prevents you getting lost



Image: A wiring diagram showing how to connect the AUX FR OUT/AUX FL OUT from the power cable to the RCA cable, and how to connect the amplifier control wire (AMP CTRL) for proper audio output.

4.4 Reversing Camera & Canbus Wiring

Connect the AHD backup camera as shown in the diagram. The reverse input cable must be plugged in, even if the reverse camera is not being used, as it can affect Bluetooth and Wi-Fi signal reception.



Image: A detailed wiring diagram illustrating the connections for the AHD backup camera, including power, ground, and reverse lamp connections, as well as the main unit's wiring harness.

For Audi A4 S4 RS4 2002-2008



Before Installation



Before Installation

Image: A visual comparison showing the original Audi A4 dashboard with its factory radio (Before Installation) and the same dashboard with the Roinvou 9-inch car radio installed (After Installation).

5. OPERATION GUIDE

5.1 Wireless CarPlay & Android Auto

Connect your smartphone via Bluetooth to enable Wireless CarPlay or Android Auto. This allows you to access phone functions such as navigation, calls, music playback, and compatible applications directly on the car radio's display.

Wireless Apple Carplay & Android Auto & Mirror Link



Image: A graphic demonstrating the connectivity options for Wireless Apple CarPlay, Android Auto, and Mirror Link, showing how smartphones can connect via Bluetooth/USB or WiFi/USB.



Image: The car radio display showing both Apple CarPlay and Android Auto interfaces, highlighting their integration with phone functions like navigation, calls, and music.

5.2 Mirror Link

Mirror Link allows you to synchronize your phone screen with the car stereo. This can be done via a wired USB connection or wirelessly using Wi-Fi. Enjoy multimedia content, apps, music, and videos from your phone on the larger display.

5.3 Bluetooth Connectivity

The unit features Bluetooth 4.0 for stable and fast connections. Pair your smartphone to make hands-free calls and stream audio directly to the car stereo.



Bluetooth 4.0

Image: A visual representation of Bluetooth 4.0 technology, showing the car radio connected to smartphones for hands-free calling and music playback.

5.4 GPS Navigation

The car radio includes built-in offline maps. Connect to Wi-Fi to download and update online maps, ensuring you have the latest navigation data. The system supports accurate satellite positioning.

Connection Reference & Package List

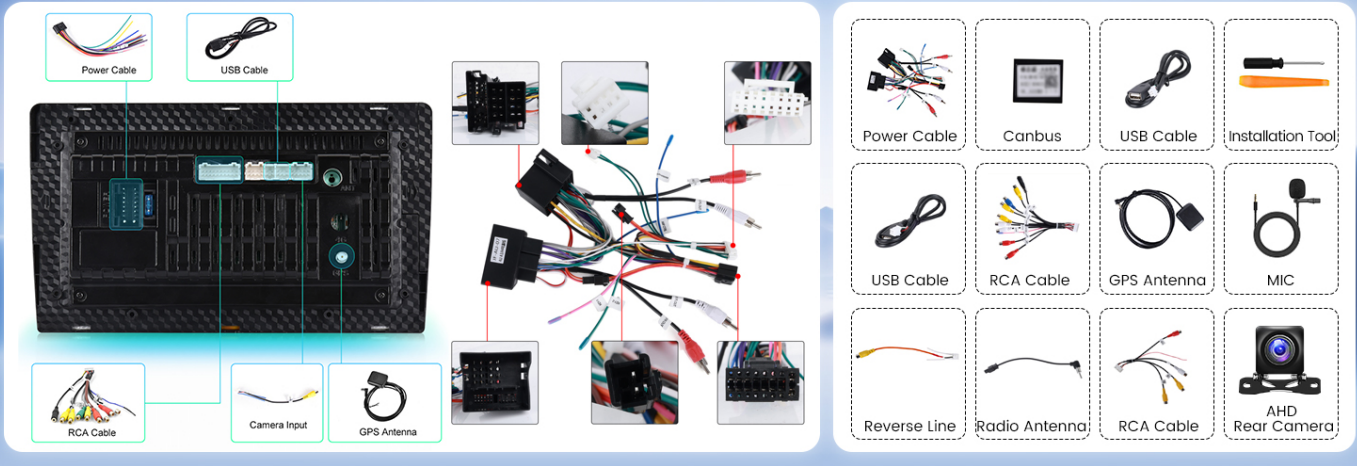


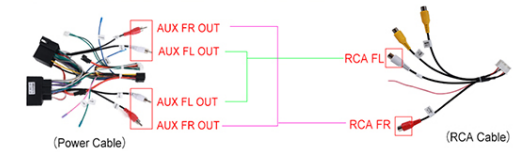
Image: The car radio screen displaying various navigation interfaces, including online and offline map options, with a car icon indicating real-time road conditions and accurate satellite positioning.

5.5 Wi-Fi Connection

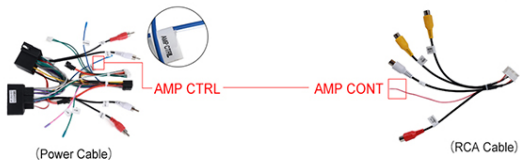
Utilize the Wi-Fi connection to access online content, including video streaming (e.g., YouTube, Netflix) and music services (e.g., Spotify). You can install or uninstall apps from the app store.

PLEASE NOTE

1. Please select the corresponding AUX FR OUT/AUX FL OUT on the power cable according to the original car interface and connect them to the RCA FR/RCA FL on the RCA cable.



2. Then connect the power cable amplifier wire to the corresponding amplifier wire on the RCA cable to ensure the amplifier functions properly.



If your car is a high-end model, you will need to purchase a separate filter box for the amplifier to function properly. Please contact our customer service for assistance.



Image: The car radio screen showcasing various entertainment applications like Netflix and YouTube, accessible through a Wi-Fi connection for online video and music streaming.

5.6 FM/RDS Radio

The integrated FM/RDS radio provides access to local radio stations, delivering real-time traffic updates, news, and weather forecasts.



Image: The car radio screen displaying the FM RDS interface, showing radio frequencies and options for tuning and saving stations.

5.7 Split Screen Function

The split-screen feature allows you to run two applications simultaneously on the display, such as navigation and music playback.



Image: The car radio screen demonstrating the split-screen function, allowing two applications to be viewed simultaneously. Also shown are customizable shortcuts and various gradient theme options for the user interface.

5.8 Steering Wheel Control (SWC)

The unit supports learning functions for your original steering wheel control buttons, allowing you to manage the car radio conveniently without taking your hands off the wheel.

- **Without CANBUS Decoder:** Connect the plugs or steering wheel control wires (Key1/Key2) from the power cable to the corresponding port or wire of your original car. Then navigate to Settings > Car Settings > General (Enter SWC Setting interface) and manually match to activate the button function.
- **With CANBUS Decoder:** Connect the Canbus before powering on the machine. Then go to Settings > Car Settings > Factory (000000) > CarType Setting to make SWC work properly. Select the brand of the Canbus decoder, then select the matching model and year according to the actual situation.

HD Rear Camera



Steering Wheel Control



Image: The car radio screen displaying the view from the HD rear camera with parking guidelines. Below, an illustration highlights the integration of steering wheel controls for managing the car radio functions.

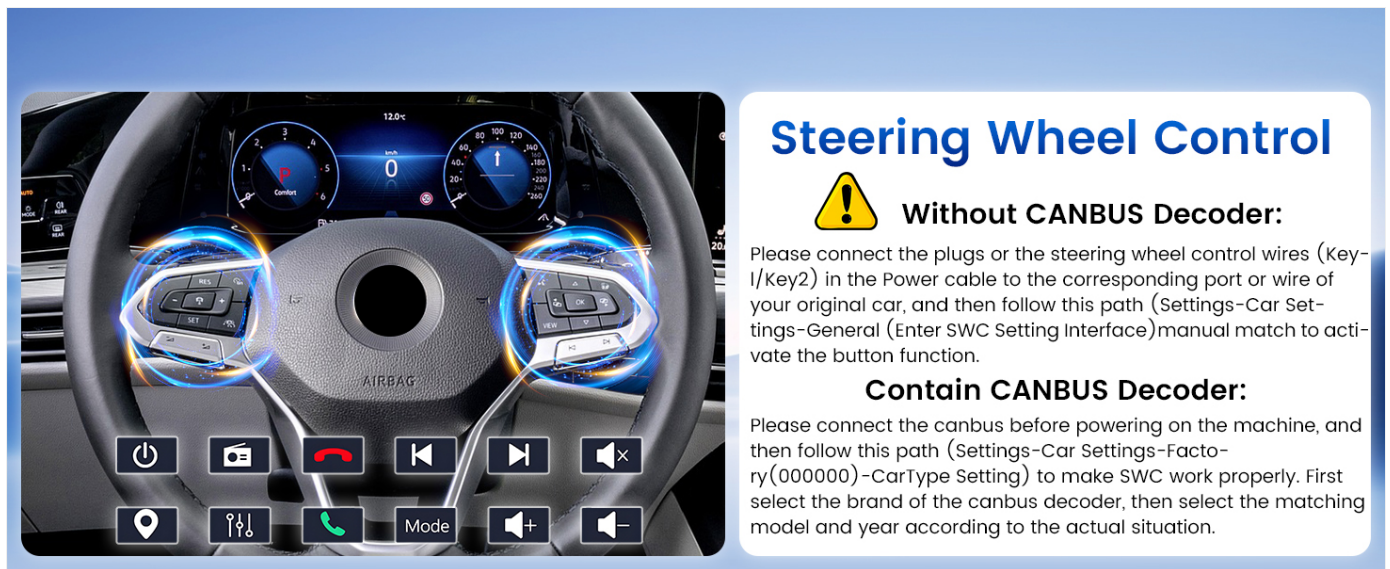


Image: A diagram providing instructions for connecting steering wheel controls, differentiating between setups with and without a CANBUS decoder, and outlining the necessary software configuration steps.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during installation or operation.

- **No Power:** Ensure all power cables are securely connected. Check the vehicle's fuse box for any blown fuses. Verify the CAN controller is correctly wired, especially the ACC connection.
- **No Sound/Poor Sound Quality:** Confirm that the RCA plugs for the amplifier are correctly connected, especially if your vehicle has a factory amplifier (e.g., Audi Symphony II system). Ensure the amplifier control wire (AMP CTRL) is properly connected. If your car is a high-end model, a filter box might be necessary.
- **Bluetooth/Wi-Fi Signal Issues:** Ensure the reverse input cable is plugged in, even if a camera is not used, as it can affect signal reception. Check antenna connections.
- **Steering Wheel Controls Not Working:** Refer to Section 5.8 for detailed instructions on configuring SWC, depending on whether your vehicle uses a CANBUS decoder. Ensure Key1/Key2 wires are correctly connected.
- **Display Illumination Issues:** If the illumination function is not working, it might be due to the original radio not supporting that function or requiring specific CAN black box controller configuration. Consult a professional installer if issues persist.
- **General System Unresponsiveness:** Try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase personal settings).

For complex issues, it is recommended to seek assistance from a qualified car audio technician or contact Roinvou customer support.

7. SPECIFICATIONS

Item Weight	3.19 pounds
Package Dimensions	10.24 x 6.69 x 3.94 inches
Display Size	9 Inches
Resolution	1024 x 600
Operating System	Android 13

RAM	2GB
ROM	64GB
Connectivity Technology	Bluetooth, USB, Wi-Fi
Special Features	Wireless and Wired CarPlay & Android Auto, 5G Wi-Fi, Bluetooth, IPS Touchscreen, FM RDS Radio, EQ Settings, Mirror Link, GPS Navigation, DSP, Steering Wheel Control, 26 Desktop Themes
Map Type	North America (Built-in offline maps)
Audio Output Mode	Stereo
Voice Command	Microphone, Touchscreen
Vehicle Service Type	Car

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Roinvou Car Radio comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Protection Plans

Extended protection plans may be available for purchase separately:

- **2-Year Protection Plan:** Available for \$15.99 (one-time payment).
- **3-Year Protection Plan:** Available for \$21.99 (one-time payment).
- **Complete Protect:** A monthly plan for \$16.99/month, covering eligible past and future purchases.

8.3 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Roinvou customer support. You can typically find contact information on the Roinvou store page or through the retailer where you purchased the product.

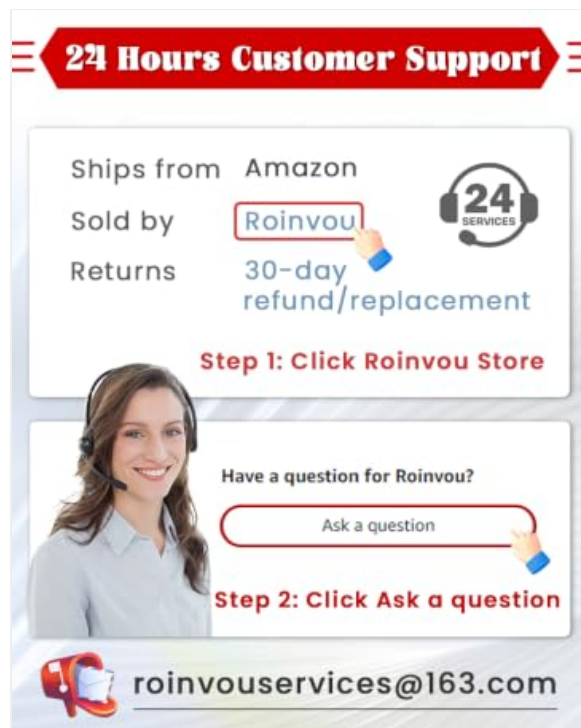


Image: Information regarding Roinvou customer support, detailing steps to contact the seller for questions or assistance, and mentioning a 30-day refund/replacement policy.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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