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› Roinvou 4+128G 9" 1280x720 Touch Screen Radio for Jeep Grand Cherokee 2010-2013 Instruction Manual

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Model: 4+128G

PRODUCT OVERVIEW

The Roinvou 4+128G 9" 1280x720 Touch Screen Radio is designed for Jeep Grand Cherokee models from 2010 to 2013. This unit features a high-resolution in-cell touchscreen, offering vibrant visuals and responsive operation. It supports Wireless CarPlay and Android Auto for seamless smartphone integration, allowing access to navigation, calls, messages, and music directly from the car radio. Powered by Android 15 with a 4-core processor, 4GB RAM, and 128GB storage, it delivers stable performance for multiple applications. Additional features include 5GHz WiFi, Bluetooth 5.0, EQ settings, FM/RDS radio, GPS navigation, split-screen functionality, and steering wheel control compatibility. A backup camera is included for enhanced safety and convenience.



Figure 1: Comparison of the Jeep Grand Cherokee dashboard before and after installing the Roinvou 9-inch car radio.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Roinvou Car Stereo for Jeep Grand Cherokee
- 1 x Power Cable

- 1 x Canbus Decoder
- 1 x Radio Antenna Adapter Cable
- 1 x RCA Harness
- 1 x Radio Antenna
- 1 x Radio Adapter Cable
- 1 x GPS Antenna
- 1 x AHD Backup Camera
- 1 x External Microphone
- 1 x Rear Camera Input Cable
- 2 x USB Cables (4-pin and 6-pin)
- 1 x Installation Tool



Figure 2: Detailed view of all components included in the Roinvou car stereo package.

SETUP AND INSTALLATION

This section provides step-by-step instructions for installing your Roinvou car radio. It is recommended to watch the provided video for a visual guide.

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Video 1: Detailed guide on disassembling the center console and wiring for the Roinvou car stereo installation.

1. Removing the Old Head Unit

1. **Access the Trim:** Open the cubbyhole below the existing head unit. Gently pull the plastic trim surrounding the head unit away from the dashboard. It should start to come loose.
2. **Disconnect Trim Connectors:** Once the trim is loose, disconnect any connectors attached to its back. Set the trim aside.
3. **Remove Head Unit Bolts:** The existing head unit is secured by four 7mm bolts. Unscrew and remove these bolts.
4. **Slide Out Old Head Unit:** Carefully slide the old head unit out of the dashboard.
5. **Disconnect Old Head Unit Plugs:** Disconnect all wiring plugs from the back of the old head unit.

2. Connecting New Components

1. **Connect Jeep Loom:** Grab the new wiring loom provided with the Roinvou unit. Connect the main Jeep connector from the new loom directly into the corresponding port in your vehicle's wiring harness.
2. **Connect Antenna Adapter:** Plug the factory antenna connector from your vehicle into one side of the provided antenna adapter. The other side of the adapter connects to the generic antenna input on the new Roinvou unit's main loom.
3. **Connect CANbus Decoder:** Locate the CANbus decoder (red box) and plug it into the designated connector on the main loom.
4. **Install GPS Antenna:** Connect the GPS antenna to the new unit's wiring. Thread the GPS antenna cable up underneath the top of the dashboard, between the dashboard and the insulation, to ensure optimal signal reception and keep it out of the way.
5. **Install 5GHz WiFi Antenna:** Connect the 5GHz WiFi antenna. Similar to the GPS antenna, thread this cable up underneath the dashboard, positioning it above the vents.
6. **Install External Microphone:**
 - **Identify Access Points:** For optimal microphone placement, identify access points in your dashboard. Two common points are underneath the steering wheel (behind a leather section) and behind the plastic panel when the driver's door is open.
 - **Thread Cable:** Use a thick guide cable to thread the microphone wire from the main dashboard area to your chosen access point (e.g., A-pillar).
 - **Secure Microphone:** Remove the foam from the microphone, tape the microphone end to the guide wire, and pull it through. Secure the microphone in the desired location (e.g., top corner of the A-pillar). Reattach the A-pillar trim, ensuring the rubber seal is correctly seated.
 - **Connect to Loom:** Plug the 3.5mm jack of the microphone into the MIC input on the main loom.
7. **Install SIM Card Holder and USB Ports:** The SIM card holder and USB ports can be hidden underneath the steering wheel or in the armrest for easy access when needed.

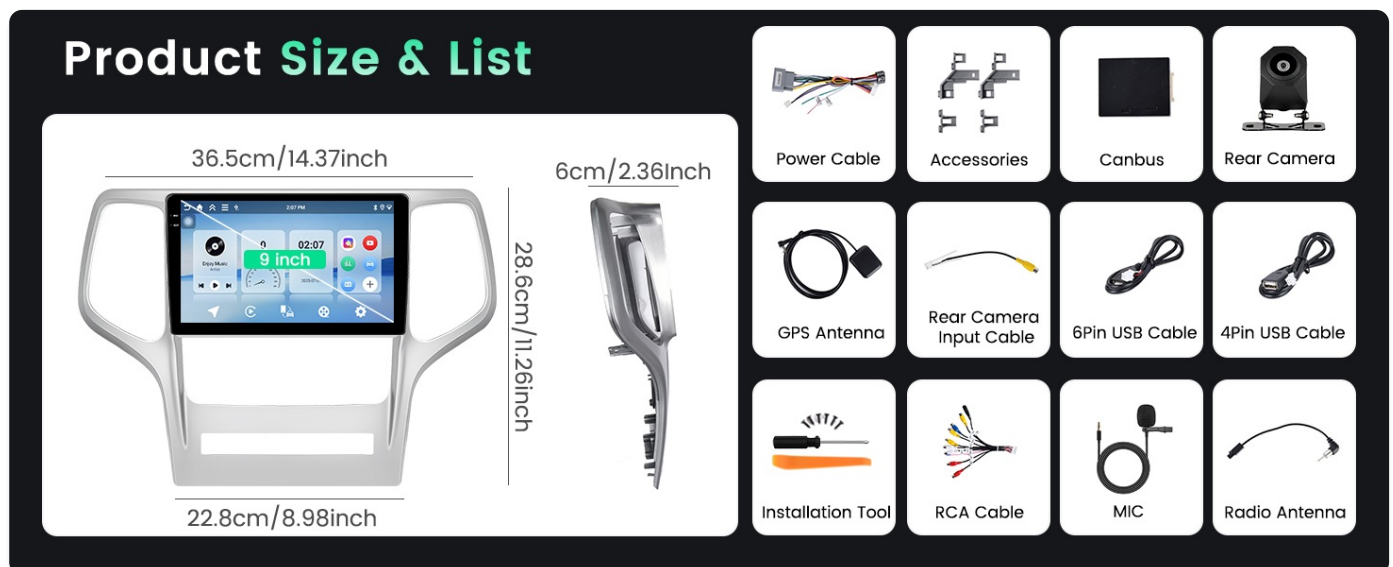


Figure 3: Wiring port diagram for the Roinvou car stereo.

3. Assembling the New Unit and Fascia

1. **Attach Head Unit to Fascia:** Carefully place the new Roinvou head unit into the provided fascia.
2. **Secure with Screws:** Use the small screwdriver and screws provided in the ties packaging to secure the head unit to the fascia.
3. **Transfer Controls and Vents:** Unscrew and remove the air conditioning controls, buttons, and air vents from your

old factory fascia. Transfer these components to the new Roinvou fascia, securing them with the appropriate screws. Note: For proper fit, you may need to break off two small clips on the top of the old vents before installing them into the new fascia.

4. Final Installation

1. **Connect All Looms:** Connect all remaining looms (power, CANbus, USB, microphone, antennas) to the back of the new Roinvou head unit. Ensure all connections are secure.
2. **Insert into Dashboard:** Carefully slide the fully assembled Roinvou head unit and fascia into the dashboard opening. Ensure all wires are tucked away neatly and do not obstruct the unit.
3. **Secure Unit:** Push the unit firmly into place until it clips securely into the dashboard.

OPERATING INSTRUCTIONS

Your Roinvou car radio offers a variety of features for an enhanced driving experience. Below are instructions for key functionalities.

Wireless CarPlay & Android Auto

Enjoy effortless connectivity by mirroring your iPhone or Android phone. Once connected, you can access navigation, make calls, send messages, and play music directly on the car radio display.



Figure 4: Wireless CarPlay, Android Auto, and Mirror Link interface.

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Video 2: Demonstrates CarPlay and Android Auto connection and other functions.

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Video 3: Reference guide for CarPlay, Android Auto, and Mirror Link connections.

EQ Settings and FM/RDS Radio

Fine-tune your audio experience with the built-in EQ settings. Access your favorite stations with FM/RDS radio functionality, ensuring clear sound quality.

Split-Screen Functionality

The user-friendly UI supports split-screen, allowing you to multitask. For example, you can view navigation on one side and control music on the other simultaneously.

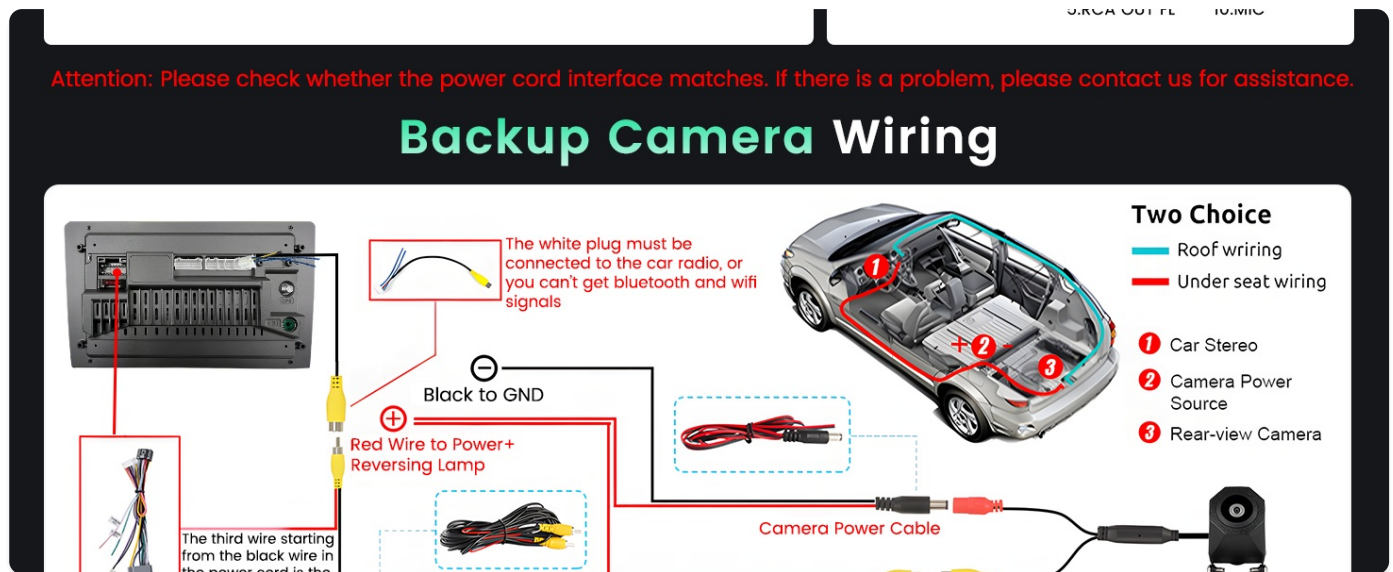


Figure 5: Multiple UI options and split-screen display examples.

GPS Navigation

The unit includes GPS navigation with North America map type, keeping you on track wherever you go.

Backup Camera

The included AHD backup camera provides a clear, wide-angle view for safer parking and reversing. This integrates with the display for simultaneous viewing of navigation and rearview images.

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Video 4: Overview of additional product features, including navigation and multimedia capabilities.

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates through the unit's settings to ensure optimal performance and access to the latest features.
- **Cable Management:** Ensure all cables are securely connected and neatly tucked away to prevent interference or damage.

TROUBLESHOOTING

- **No Power:** Check all power cable connections and ensure the vehicle's fuse for the radio is intact.
- **Wireless CarPlay/Android Auto Not Connecting:** Ensure Bluetooth and Wi-Fi are enabled on both your phone and the car radio. Try restarting both devices. Verify that the correct connection method (wireless) is selected in the unit's settings.
- **No Sound:** Check speaker connections, volume levels, and EQ settings. Ensure the audio output mode is set correctly.

- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear line of sight (e.g., not obstructed by metal).
- **Steering Wheel Controls Not Working:** If your vehicle has a CANbus decoder, ensure it is correctly connected and configured in the factory settings. If no CANbus decoder is used, manually match the controls in the unit's settings.
- **Touchscreen Unresponsive/Glitchy:** Perform a touch calibration through the factory settings. If issues persist, a factory reset may be necessary (consult the manual for specific steps).

SPECIFICATIONS

Feature	Detail
Item Weight	4.4 pounds
Product Dimensions	14.37 x 2.36 x 11.22 inches
Display Size	9 Inches
Screen Resolution	1280 x 720 (In-Cell Touchscreen)
Operating System	Android 15
Processor	4-core
RAM + Storage	4GB RAM + 128GB Storage
Connectivity Technology	Bluetooth 5.0, USB, Wi-Fi (5GHz)
Special Features	Wireless CarPlay, Android Auto, Mirror Link, FM/RDS, EQ Settings, GPS Navigation, UI Display, Split Screen, SWC
Vehicle Service Type	Car (Jeep Grand Cherokee 2010-2013)
Mounting Type	Dashboard Mount

WARRANTY AND SUPPORT

This Roinvou car radio comes with a **1 Year Warranty**. For any questions regarding installation, missing parts, or technical support, please contact Roinvou customer service through the Amazon chat platform.

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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