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Roinvou 4+64G CarPlay

Roinvou 9-inch Touchscreen Head Unit User Manual

Model: 4+64G CarPlay for Toyota Camry 2001-2006

1. Introduction

Thank you for choosing the Roinvou 9-inch Touchscreen Head Unit. This advanced car stereo system is specifically designed for Toyota Camry models from 2001 to 2006, offering a seamless upgrade to your vehicle's infotainment. Featuring an 8-core processor, 4GB RAM, and 64GB storage, it provides a powerful and responsive user experience. Enjoy modern conveniences such as Wireless CarPlay, Android Auto, Bluetooth 5.0, GPS navigation, and a high-resolution 1280*720 display. This manual provides essential information for installation, operation, maintenance, and troubleshooting to ensure optimal performance and user satisfaction.



Image 1.1: Roinvou 9-inch Touchscreen Head Unit with its components, including the main display, a backup camera, and an external microphone.

2. Safety Information

- Always operate the device responsibly and in accordance with local traffic laws. Distracted driving can lead to accidents.
- Ensure all wiring is correctly connected and secured to prevent short circuits or electrical hazards.
- Do not attempt to disassemble or modify the unit. Refer to qualified professionals for repairs.
- Keep the screen clean and free from obstructions to maintain clear visibility.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this may affect performance and longevity.

3. Package Contents

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

- Roinvou Car Stereo for Toyota Camry
- Power Cable
- RCA Harness
- GPS Antenna
- AHD Backup Camera
- External Microphone
- Rear Camera Input Cable
- Dual USB Cable
- Installation Tool & Accessories

Image 3.1: Visual representation of the product dimensions and a comprehensive list of all components included in the package.

4. Setup and Installation

This head unit is designed for a direct fit in Toyota Camry models from 2001 to 2006. Professional installation is recommended.

4.1 Important Compatibility Note

The included cable does NOT support original cars equipped with a JBL power amplifier. If your Toyota Camry has a JBL sound system, please contact Roinvou customer support for a compatible wiring harness before installation.



Image 4.1: A visual comparison showing the car dashboard before and after the installation of the Roinvou head unit, highlighting the integrated fit. Also includes a critical note regarding JBL amplifier compatibility.

4.2 Wiring Diagram

Refer to the following diagram for proper connection of the power and accessory cables. Ensure all connections are secure.

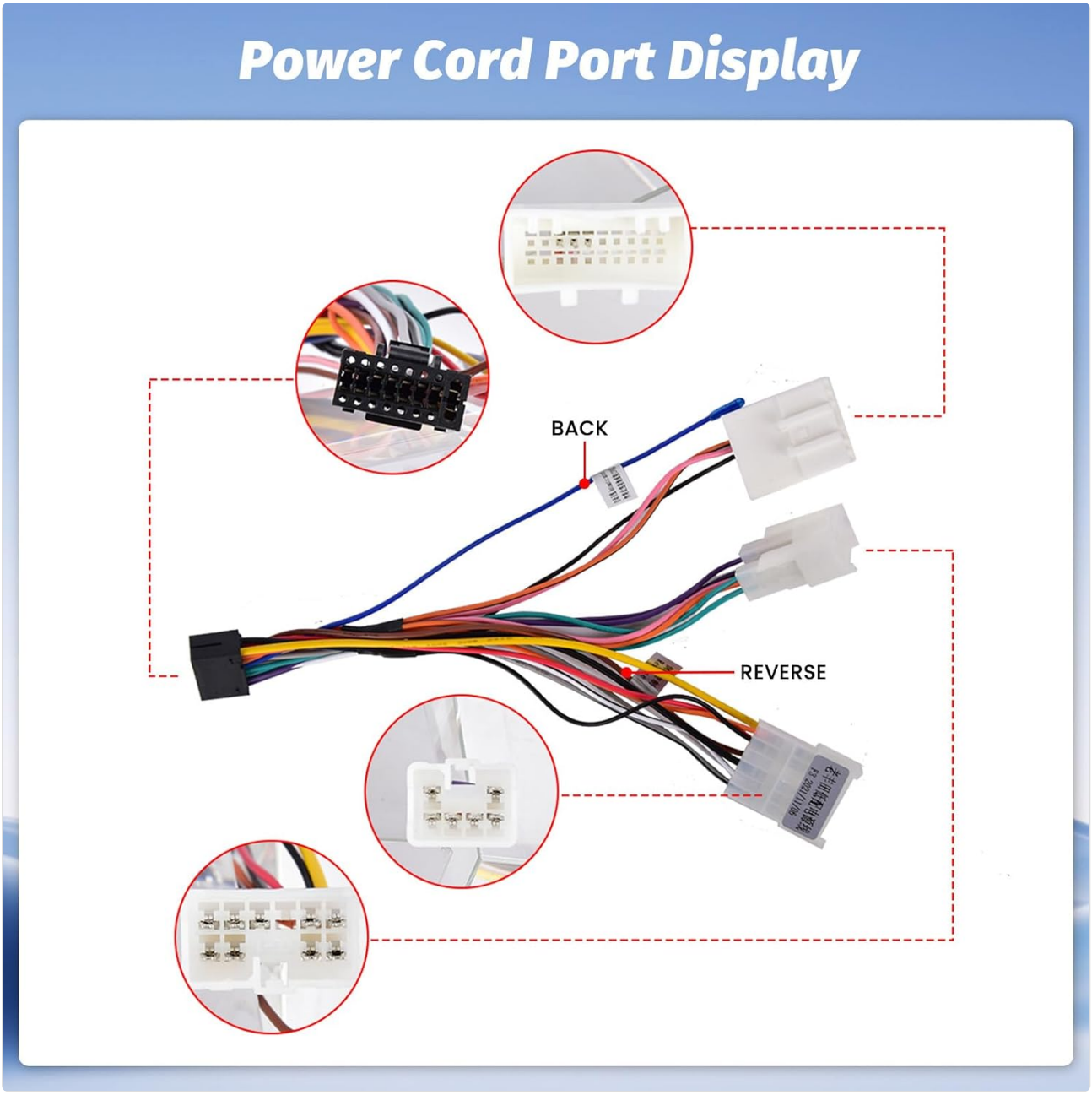


Image 4.2: A detailed illustration of the power cord ports and their corresponding connections, indicating the 'BACK' and 'REVERSE' wires for proper setup.

4.3 Backup Camera Wiring

Connect the AHD backup camera according to the diagram below. The unit will automatically display the reverse image when the vehicle is in reverse gear.



Image 4.3: A clear wiring diagram for the reversing camera, detailing how to connect the camera to the head unit and the vehicle's power and reversing lamp for automatic activation.

5. Operating Instructions

5.1 Basic Operation

The 9-inch HD touchscreen provides intuitive control. Navigate through menus by tapping icons. Use the physical buttons on the left side for quick access to common functions like power, volume, and home.



Image 5.1: A detailed view of the 1080P IPS Touch Screen, emphasizing its 1280*720 resolution, high temperature protection, scratch-resistant, and anti-knock properties.

5.2 Wireless/Wired CarPlay & Android Auto

Connect your smartphone via Bluetooth (wireless) or the original USB data cable (wired) to access CarPlay or Android Auto. This allows for seamless integration of phone calls, music, navigation, and voice control (Siri/Google Assistant).

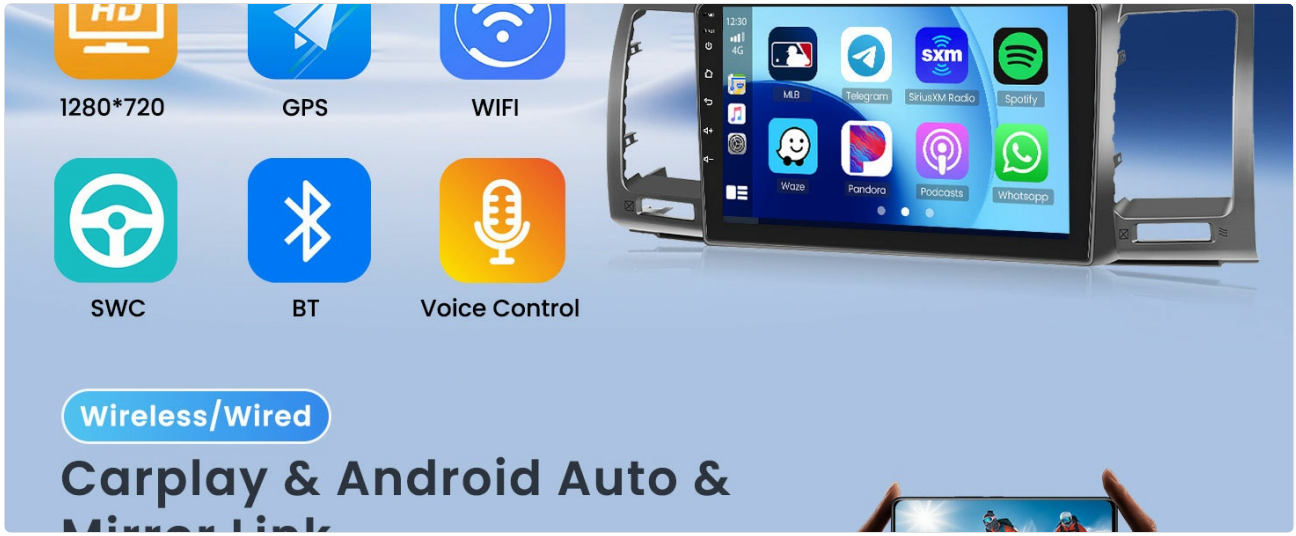


Image 5.2: An illustrative diagram demonstrating the various connection methods (Bluetooth/USB for CarPlay/Android Auto, WiFi/USB for Mirror Link) for smartphone integration.

5.3 Bluetooth 5.0 & Mirror Link

The built-in Bluetooth 5.0 ensures a stable connection for hands-free calls and music streaming. Mirror Link functionality allows you to synchronize your Android or iOS smartphone screen to the head unit, enabling video playback on the larger display.



Image 5.3: Visuals showcasing the FM RDS radio interface, the Bluetooth call screen, and the split-screen feature for multitasking.

5.4 FM/RDS Radio & 32-band EQ

Tune into your favorite radio stations with the built-in FM/RDS radio. The pre-installed car tuning software with 32-band EQ technology allows for precise audio adjustments, compensating for original speaker limitations and enhancing your listening experience.



Image 5.4: A visual representation of the graphic equalizer interface, demonstrating the audio customization options available, and a diagram illustrating sound distribution within a car.

5.5 GPS Navigation

Utilize the integrated GPS for navigation. The unit supports both online and offline maps, ensuring you can find your way even without an internet connection. Connect to Wi-Fi for online map updates and real-time traffic information.



Image 5.5: Screenshots illustrating the GPS navigation interface with options for both online and offline maps, alongside a Wi-Fi icon indicating internet connectivity.

5.6 Steering Wheel Control (SWC)

The unit supports steering wheel controls, allowing you to manage radio channels, volume, and songs directly from your steering wheel for a safer driving experience. Refer to the unit's settings for SWC configuration.



Image 5.6: A composite image displaying the reverse camera view on the head unit screen as a car backs up, and a detailed interface for configuring steering wheel controls.

6. Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Care:** Keep the unit free from dust and debris. Ensure proper ventilation around the unit to prevent overheating.
- **Software Updates:** Periodically check for software updates from the manufacturer to ensure optimal performance and access to new features.

7. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Unit does not power on.	Check power cable connections. Ensure vehicle ignition is on. Check vehicle's fuse box for blown fuses.
No sound or distorted audio.	Verify speaker wire connections. Check volume levels and EQ settings.**If your car has a JBL amplifier, the included cable is not compatible; a specific harness is required.**
Touchscreen unresponsive or erratic.	Perform a soft reset (refer to unit's settings for reset option).**Extreme heat can affect touchscreen performance; allow the unit to cool down.**
CarPlay/Android Auto not connecting.	Ensure Bluetooth is enabled on both devices. Try connecting with a different USB cable. Restart both the phone and the head unit.
Backup camera not displaying.	Check camera wiring, especially the reverse trigger wire. Ensure the camera is powered correctly.
Steering Wheel Controls not working.	Ensure SWC wires are correctly connected. Calibrate SWC in the unit's settings menu.

If the problem persists after attempting these solutions, please contact Roinvou customer support.

8. Specifications

Key technical specifications of the Roinvou 9-inch Touchscreen Head Unit:

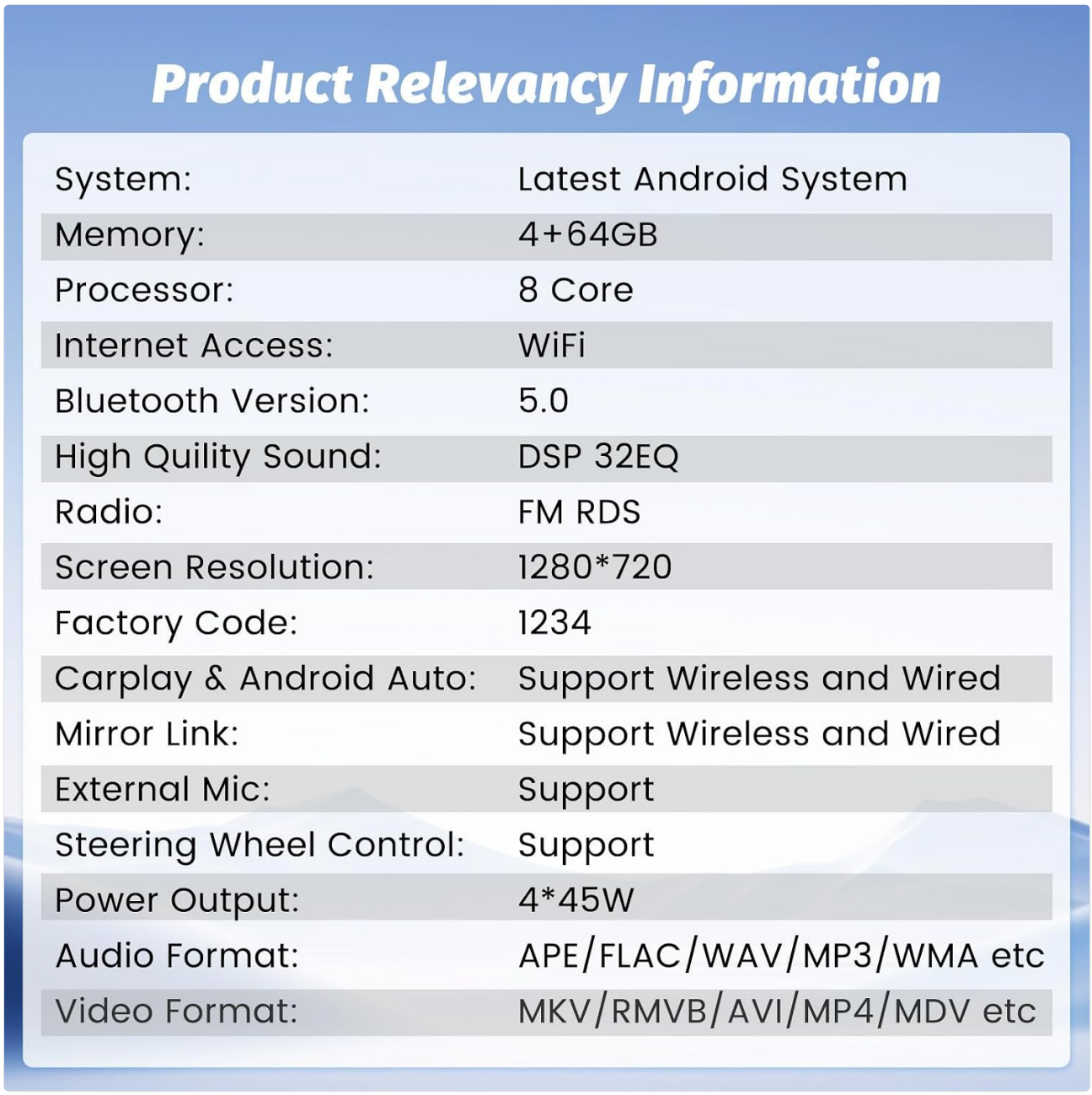


Image 8.1: A table summarizing key product specifications and features for quick reference.

- **System:** Latest Android System
- **Memory:** 4GB RAM + 64GB Storage
- **Processor:** 8 Core
- **Screen Size:** 9 Inches
- **Screen Resolution:** 1280*720
- **Bluetooth Version:** 5.0
- **Internet Access:** Wi-Fi
- **Audio Output Mode:** Stereo
- **Sound Quality:** DSP 32EQ
- **Radio:** FM RDS
- **Power Output:** 4*45W
- **Connectivity:** Bluetooth, USB, Wi-Fi
- **Special Features:** Wireless/Wired Apple CarPlay & Android Auto, Mirror Link, GPS Navigation, Voice Control, Steering Wheel Control (SWC), AHD Backup Camera support.

- **Dimensions (Package):** 15.27 x 9.37 x 6.54 inches
- **Item Weight:** 3.87 pounds

9. Warranty and Support

Roinvou offers customer support for its products. For any inquiries, technical assistance, or warranty claims, please refer to the following:

- **Return Policy:** 30-day refund/replacement policy through Amazon.
- **Contact Support:** You can contact Roinvou directly through their Amazon store page by clicking 'Ask a question' or via the provided email address.



Image 9.1: Information on how to access 24-hour customer support, including steps to contact Roinvou through Amazon and a direct email address.

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