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› Roinvou Single Din Car Radio User Manual - Model B0DWMRBG7

Roinvou B0DWMRBG7

Roinvou Single Din Car Radio User Manual

Model: B0DWMRBG7

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Roinvou Single Din Car Radio. This unit features a 6.86-inch IPS touchscreen, Wireless Apple CarPlay, Android Auto, Bluetooth, FM/RDS radio, MirrorLink, dual USB ports, Type-C connectivity, fast charging, steering wheel control support, and a backup camera input. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Image 1.1: Roinvou Single Din Car Radio with its main components including a backup camera and remote control.

2. PACKAGE CONTENTS

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

- 1 x Car Player (Main Unit)
- 1 x Power Cord
- 1 x GPS Cable
- 1 x 6P USB Cable
- 1 x Instruction Manual (this document)
- 1 x Rear Camera Input Cable
- 1 x RCA Cable
- 1 x Accessories (mounting brackets, screws)

Package List

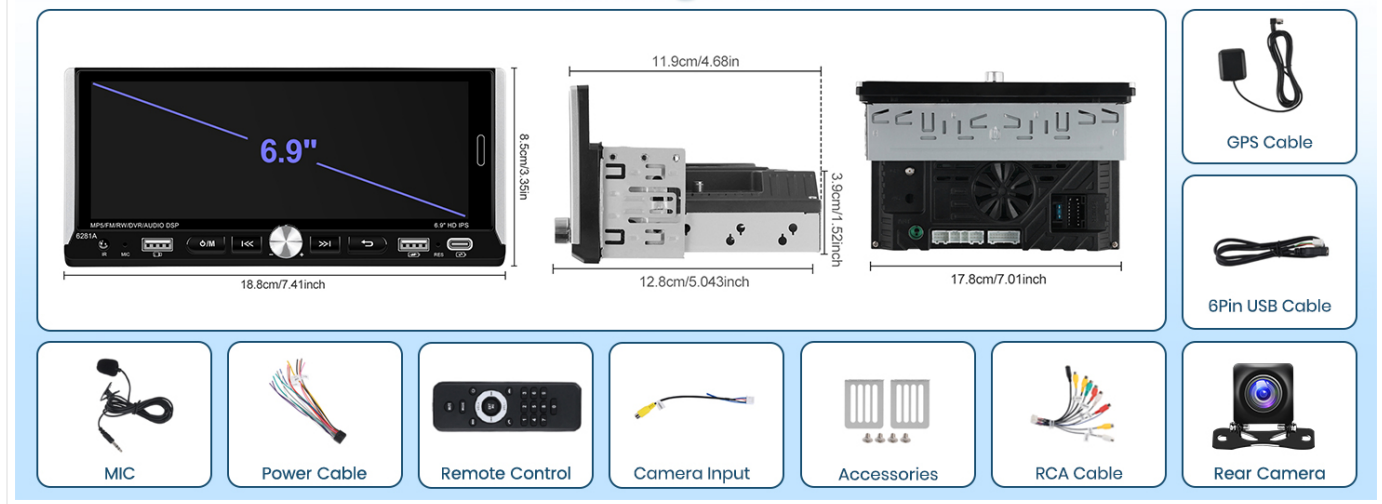


Image 2.1: Visual representation of the complete package contents, including the main unit, cables, and accessories.

3. PRODUCT OVERVIEW

The Roinvou Single Din Car Radio is designed to enhance your in-car entertainment and connectivity. Key features include:

- **6.86-inch IPS Touchscreen:** High-definition 1280x480 resolution for clear visuals, day or night.
- **Physical Knob:** Dedicated knob for volume control.
- **Wireless Apple CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, music, calls, and messages via voice commands (Siri/Google Assistant).
- **MirrorLink:** Mirror your iOS or Android phone screen directly onto the radio display.
- **FM/RDS Radio:** High-quality stereo radio with automatic and semi-automatic channel search, and traffic information.
- **Equalizer (EQ):** Adjustable audio settings for customized sound quality.
- **Multi-function Interface:** Dual USB input, Type-C port for charging and media access.
- **Memory:** 1GB RAM and 32GB storage for applications and data.
- **Backup Camera Support:** Automatic display of reverse image when backing up.
- **Steering Wheel Control (SWC):** Compatible with existing steering wheel controls for convenience.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to have this unit installed by a qualified professional.

4.1 Wiring Diagram

Refer to the detailed wiring diagram for correct connections. Ensure all connections are secure to prevent malfunctions.

Product Details

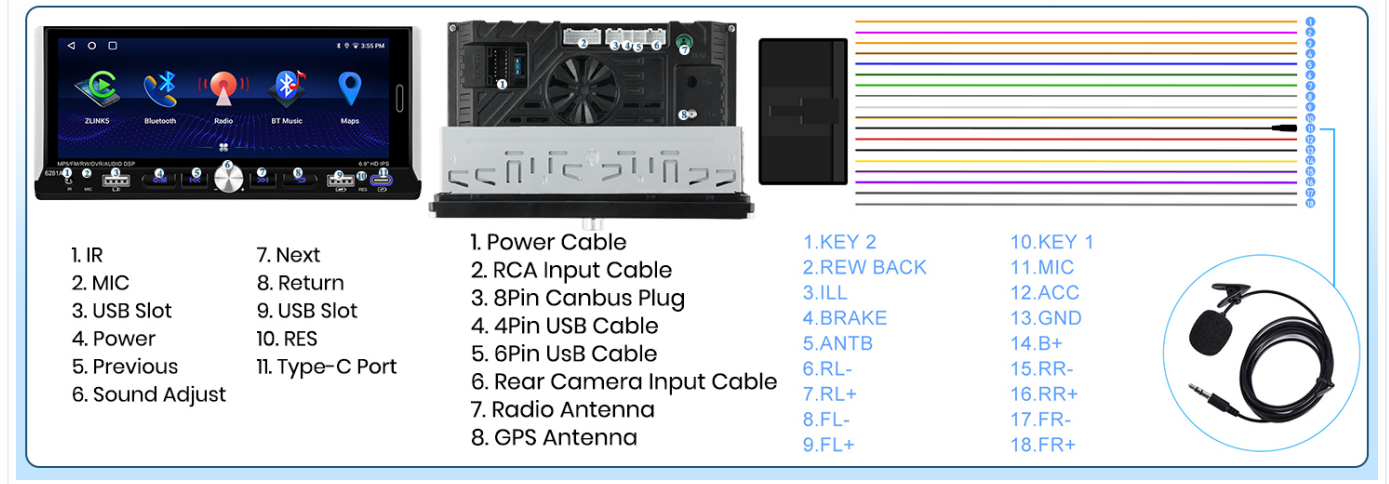


Image 4.1: Comprehensive wiring diagram illustrating connections for power, speakers, USB, camera, and other accessories.

4.2 Component Identification

Familiarize yourself with the ports and buttons on the unit:

- IR (Infrared Receiver)
- MIC (Microphone Input)
- USB Slot (for media and charging)
- Power Button
- RES (Reset Button)
- Sound Adjust (Volume Knob)
- Next/Previous Track Buttons
- Return Button
- Type-C Port (for media and charging)

Rear connections typically include:

- Power Cable Connector
- RCA Input/Output Cables
- GPS Antenna Input
- Radio Antenna Input
- Rear Camera Input
- Steering Wheel Control (KEY1, KEY2)

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the Power button to turn the unit on or off. The unit will typically power on automatically with the vehicle's ignition.

5.2 Wireless Apple CarPlay & Android Auto

Connect your compatible iPhone or Android smartphone wirelessly to access navigation, music, calls, and messages directly on the car radio's display. Follow the on-screen prompts to pair your device via Bluetooth and Wi-Fi.

- Ensure Bluetooth is enabled on your phone and the car radio.

- Search for the car radio's Bluetooth name on your phone and pair.
- Once paired, the system will prompt you to enable CarPlay or Android Auto.
- Use voice commands (Siri or Google Assistant) for hands-free operation.

Wireless & Wired Carplay and Android Auto



Image 5.1: Demonstration of wireless CarPlay and Android Auto functionality, including voice command integration.

Wireless & Wired Carplay & Android Auto



Image 5.2: Various screen layouts for Wireless CarPlay and Android Auto, showcasing navigation and media apps.

5.3 MirrorLink Function

MirrorLink allows you to display your smartphone's screen on the car radio. This feature supports both iOS and Android devices.

- Connect your phone to the unit via USB.
- Select the MirrorLink option on the car radio.
- Follow any on-screen instructions on your phone to grant permission for screen mirroring.



Image 5.3: Illustration of MirrorLink functionality, displaying a smartphone's content on the car radio screen.

5.4 FM/RDS Radio

Access the FM radio function to listen to local broadcasts. The RDS (Radio Data System) feature provides additional information like station name and traffic updates.

- Select the 'Radio' icon from the main menu.
- Use the 'Search' function for automatic or semi-automatic channel scanning.
- Manually tune frequencies using the on-screen controls.

FM/RDS Radio

Online music can be transmitted to the car stereo through FM/RDS to enjoy the original car stereo.



Equalizer Adjustment

EQ adjustment, a variety of surround sound field modes strong bass soft midrange and bright treble and a transparent stereo sound.



Image 5.4: FM/RDS radio interface showing available frequencies and station information.

5.5 Equalizer Adjustment

Customize your audio experience using the built-in equalizer. Adjust settings for bass, midrange, and treble to suit your preferences.

- Navigate to the 'EQ' or 'Sound Settings' menu.
- Choose from preset equalizer modes or manually adjust individual frequency bands.

5.6 Media Playback & Charging

The unit supports media playback from USB flash drives and offers charging capabilities via its dual USB and Type-C ports.

- Insert a USB flash drive into the designated USB slot to play audio or video files.
- Connect your smartphone or other devices to the USB or Type-C ports for fast charging.



Support 1080P Video & Screen Resolution 1280*480 resolution



Image 5.6: High-definition video playback on the 1280x480 resolution screen.

5.7 Bluetooth Hands-free Calling

Pair your phone via Bluetooth to make and receive calls hands-free.

- Ensure Bluetooth is enabled on both your phone and the car radio.
- Search for and select the car radio's Bluetooth name on your phone.
- Once connected, you can dial numbers, answer calls, and access your phonebook through the car radio interface.

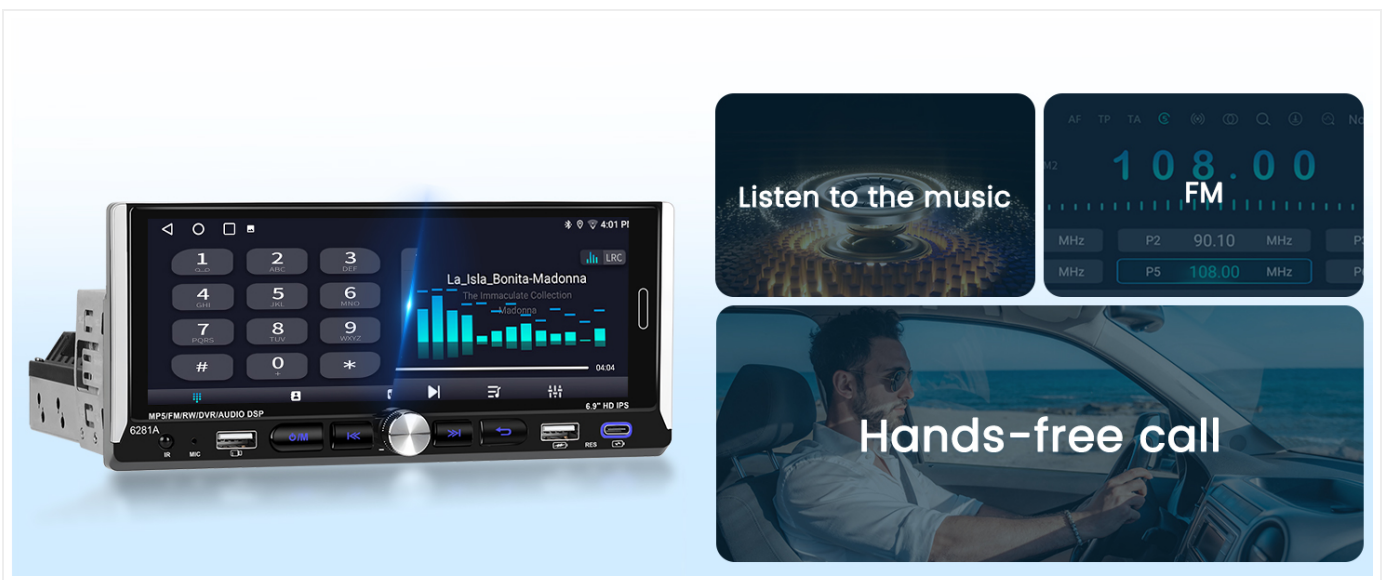


Image 5.7: Illustration of music playback and hands-free calling features.

5.8 Steering Wheel Control (SWC)

If your vehicle supports it, you can connect the car radio to your existing steering wheel controls for convenient operation.

- Connect the SWC wires (KEY1, KEY2) from your vehicle to the car radio.
- Access the 'Steering Wheel Control' settings in the car radio's menu.
- Follow the on-screen instructions to program each button on your steering wheel to the desired function.

Rear View Camera



Steering Wheel Control



Image 5.8: Visuals demonstrating rear view camera display and steering wheel control setup.

5.9 Rear View Camera

When a compatible rear view camera is connected, the display will automatically switch to the camera feed when the vehicle is put into reverse gear.

- Ensure the rear camera is correctly installed and connected to the 'Rear Camera Input' on the car radio.
- The camera feed will appear automatically when reversing.

5.10 User Interface (UI) and Lighting

The unit features a customizable user interface and supports 7 colorful light options for the physical buttons.

- Navigate through the various UI screens by swiping or using the navigation buttons.
- Access the 'Settings' menu to customize the button backlight color.

UI display



7 Colorful Light



Image 5.9: Examples of the car radio's user interface and the customizable 7-color button lighting.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Roinvou car radio, follow these maintenance guidelines:

- **Cleaning the Screen:** 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 harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean around buttons and ports.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Liquid Exposure:** Prevent liquids from entering the unit. In case of accidental spills, power off the unit immediately and allow it to dry completely before use.
- **Firmware Updates:** Periodically check the Roinvou official website for any available firmware updates to ensure the unit has the latest features and bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your car radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Blown fuse; Incorrect wiring.	Check power connections. Inspect vehicle's fuse box and the unit's fuse. Verify wiring according to the diagram.
No sound.	Volume too low; Mute activated; Speaker wiring issue.	Increase volume. Check if mute is active. Verify speaker connections.
Bluetooth not connecting.	Bluetooth off; Incorrect pairing; Interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Move away from other wireless devices.
CarPlay/Android Auto not starting.	Incorrect connection; Phone settings; App issues.	Ensure proper wireless or wired connection. Check phone settings for CarPlay/Android Auto permissions. Restart phone and unit.
Rear camera image not displaying.	Camera not connected; Reverse trigger wire issue; Faulty camera.	Verify camera connection. Check the reverse trigger wire connection. Test camera functionality.
Touchscreen unresponsive.	System freeze; Software glitch.	Press the RES (Reset) button with a thin object (e.g., paperclip). Restart the unit.

8. SPECIFICATIONS

Model Name:

Roinvou

Display Size:

6.86 Inches

Screen Resolution:

1280x480 IPS

Operating System:

Proprietary (supports Wireless CarPlay & Android Auto)

Memory:

1GB RAM, 32GB Storage

Connectivity:

Bluetooth, USB, Wi-Fi, Type-C

Audio Output Mode:

Stereo

Special Features:

FM/RDS, EQ, Mirror Link, HD Video Playback, Wireless Apple CarPlay and Android Auto, USB Charging, Dual USB Input, Type C Input, IPS Screen, Physical Knob, 1280*480 Resolution

Mounting Type:

Single Din Dashboard Mount

Item Weight:

2.66 pounds

Package Dimensions:

8.31 x 7.4 x 3.86 inches

9. WARRANTY AND SUPPORT

The Roinvou Single Din Car Radio comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. For technical support, warranty claims, or further assistance, please contact Roinvou customer service through the retailer where the product was purchased or visit the official Roinvou website.

Extended protection plans may be available for purchase separately:

- 2-Year Protection Plan
- 3-Year Protection Plan

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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