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› Roinvou Android Car Radio for Mazda 2 (2007-2014) User Manual

Roinvou 4+64G

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Model: 4+64G

1. INTRODUCTION

Thank you for choosing the Roinvou Android Car Radio. This manual provides detailed instructions for installation, operation, and maintenance of your new car radio, designed specifically for Mazda 2 models from 2007 to 2014. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The Roinvou Android Car Radio features a 9-inch Incell touchscreen, offering a responsive and clear display. It integrates advanced functionalities such as wireless CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, FM/RDS radio, and Wi-Fi. The system runs on Android 15 with a 4-core processor, 4GB RAM, and 64GB storage, ensuring smooth performance for various applications.



Image 2.1: The 9-inch Incell touchscreen display, highlighting its seamless design, fast response, true color reproduction, and high saturation compared to other composite screens.

3. PACKAGE CONTENTS

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

- Roinvou Android Car Radio Unit
- Power Cable
- RCA Cable
- Rear Camera Input Cable
- GPS Antenna
- Dual USB Cable
- Rear View Camera
- External Microphone
- Installation Tool
- User Manual (this document)
- Additional Accessories (as pictured)

Package List

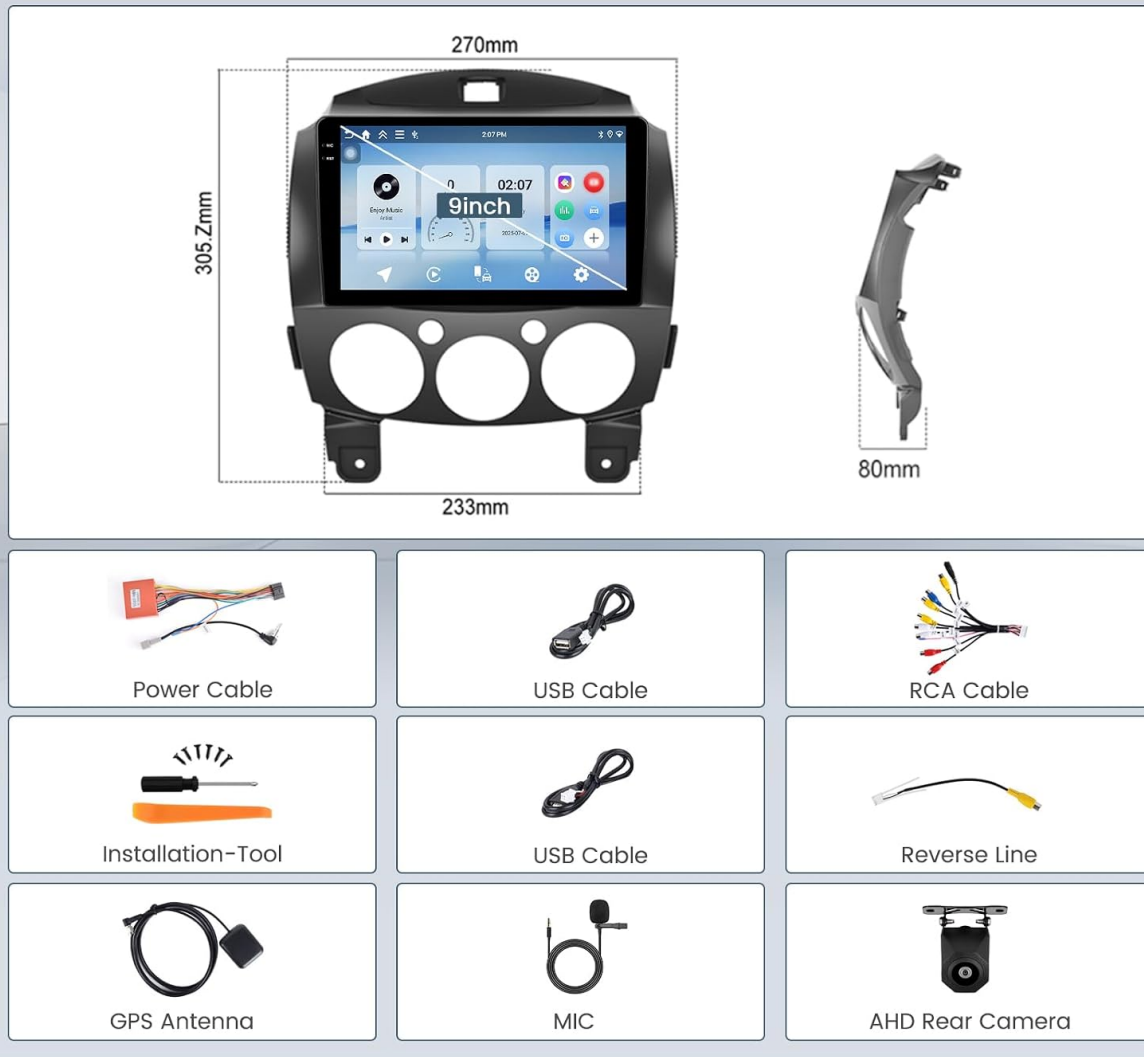


Image 3.1: Visual representation of all components included in the package, such as the main unit, various cables, GPS antenna, microphone, and rear camera.

4. SPECIFICATIONS

Feature	Detail
Brand	Roinvou
Model Number	4+64G
Operating System	Android 15
RAM	4GB
Storage	64GB
Screen Type	9-inch Incell Touchscreen
Screen Resolution	1280x720
Connectivity	Bluetooth, USB, WiFi (5G), FM RDS

Feature	Detail
Special Features	Wireless Carplay, Android Auto, Mirror Link, EQ, GPS, UI Customization, SWC (Steering Wheel Control), Rear Camera Support
Compatible Devices	Smartphone
Audio Output Mode	Stereo, Surround
Surround Sound Channel Configuration	4
Video Encoding	MKV/RMVB/AVI/MP4/MDV
Origin	China

5. SETUP AND INSTALLATION

This section guides you through the physical installation of the Roinvou car radio into your Mazda 2 (2007-2014). Professional installation is recommended if you are unfamiliar with car audio systems.

5.1 Pre-Installation Check

- Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical shorts.
- Verify all package contents are present.
- Familiarize yourself with your vehicle's dashboard and existing radio removal procedure.

5.2 Installation Steps

1. **Remove the Old Radio:** Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
2. **Connect Wiring Harness:** Connect the provided power cable, RCA cable, and other necessary cables to the car radio. Ensure all connections are secure.
3. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
4. **Connect Rear View Camera:** If installing the rear view camera, route its cable from the rear of the vehicle to the car radio unit and connect it to the designated input.
5. **Test Connections:** Before fully reassembling the dashboard, temporarily connect the car battery and power on the unit to test basic functions (power, audio, touchscreen response, camera feed).
6. **Secure the Unit:** Once tested, carefully slide the Roinvou car radio into the dashboard opening and secure it using the appropriate mounting brackets.
7. **Reassemble Dashboard:** Reattach all dashboard trim pieces and ensure they are properly seated.
8. **Final Check:** Reconnect the car battery and perform a comprehensive test of all features.

Perfect Fit for Mazda 2 2007-2014



Image 5.1: Comparison showing the original Mazda 2 dashboard before installation and the dashboard with the Roinvou Android Car Radio successfully installed, demonstrating a perfect fit.

6. OPERATING INSTRUCTIONS

This section covers the basic operation and key features of your Roinvou Android Car Radio.

6.1 Power On/Off and Basic Navigation

- **Power On:** The unit will power on automatically when the vehicle's ignition is turned on.
- **Power Off:** The unit will power off automatically when the vehicle's ignition is turned off.
- **Touchscreen:** Navigate through menus and applications by tapping, swiping, and pinching on the 9-inch Incell touchscreen.
- **Home Button:** Tap the home icon to return to the main interface.
- **Back Button:** Tap the back icon to go to the previous screen.

6.2 Wireless CarPlay and Android Auto

The unit supports wireless CarPlay for iPhones and wireless Android Auto for Android phones, allowing seamless integration of your smartphone's features.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car radio, open the "CarPlay" or "Android Auto" application.
3. Follow the on-screen instructions to pair your phone via Bluetooth.
4. Once paired, the system will automatically establish a Wi-Fi connection for wireless CarPlay/Android Auto.
5. You can now access navigation, calls, messages, and music directly from the car radio display.

Note: Wired Mirror Link is also supported for broader smartphone compatibility.



Image 6.1: Display showing the interface for Wireless Carplay, Android Auto, and Mirror Link, illustrating access to GPS, Music, Calls, and Messages.

6.3 GPS Navigation

The unit comes with integrated GPS functionality. You can use pre-installed navigation apps or download others from the Google Play Store (requires Wi-Fi connection).

6.4 Bluetooth Connectivity

Connect your smartphone via Bluetooth for hands-free calling and audio streaming.

1. Go to the Bluetooth settings on the car radio.

2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the car radio's Bluetooth name (e.g., "Roinvou Car Radio") from your phone's list.
4. Confirm the pairing code on both devices.

6.5 FM/RDS Radio

Access the FM radio application to listen to your favorite stations. RDS (Radio Data System) provides additional information like station name and song title where available.

- **Scan:** Use the scan function to automatically find and save available stations.
- **Manual Tune:** Manually adjust the frequency to find specific stations.
- **Presets:** Save your preferred stations as presets for quick access.

6.6 Wi-Fi Connectivity

Connect to a Wi-Fi hotspot (e.g., from your smartphone or a portable hotspot) to access online features, download apps, and browse the internet.



Image 6.2: Illustration of the unit's 5G Wi-Fi capability and examples of supported applications like YouTube, Netflix, and social media platforms.

6.7 Split Screen Functionality

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

- To activate, open one app, then long-press the recent apps button or drag an app to one side of the screen (depending on UI version).
- Select a second app to occupy the other half of the screen.



Image 6.3: Depiction of the split-screen feature, showing navigation on one side and a music player on the other, along with various customizable user interface options.

6.8 Steering Wheel Control (SWC)

The unit supports integration with your vehicle's existing steering wheel controls for safe and convenient operation.

1. Access the SWC settings menu on the car radio.
2. Follow the on-screen instructions to map your steering wheel buttons to specific functions (e.g., volume up/down, track skip, mode).



Steering Wheel Control



Image 6.4: Illustration of the Steering Wheel Control learning interface, showing how to assign functions to physical buttons, alongside a demonstration of the rear view camera display in both day and night vision.

6.9 Rear View Camera

When the vehicle is shifted into reverse, the display will automatically switch to the rear view camera feed, providing a clear, wide-angle view for safer parking and reversing.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car radio.

- **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.
- **Software Updates:** Periodically check for software updates through the system settings (requires Wi-Fi connection) to ensure you have the latest features and security patches.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

8. TROUBLESHOOTING

If you encounter issues with your Roinvou car radio, refer to the following troubleshooting guide. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure car battery is charged.
No sound.	Volume too low, incorrect audio source, loose speaker wires.	Increase volume. Select correct audio source. Check speaker wire connections.
Touchscreen unresponsive.	Temporary software glitch, screen protector interference.	Restart the unit (turn vehicle ignition off and on). Ensure screen is clean and free of obstructions.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone, incorrect pairing, app issues.	Ensure phone's Bluetooth/Wi-Fi is on. Re-pair the device. Update phone OS and car radio software.
GPS signal weak or inaccurate.	GPS antenna obstruction, poor antenna placement.	Ensure GPS antenna has a clear view of the sky. Reposition antenna if necessary.
Unit restarts frequently.	Power fluctuation, software issue, overheating.	Check power connections. Perform a factory reset (backup data first). Ensure proper ventilation.

9. WARRANTY AND SUPPORT

Roinvou provides comprehensive support for your product.

- **Manufacturer's Warranty:** The product comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
- **Online Support:** Lifetime online assistance is available for all inquiries.
- **Response Time:** Customer support aims to respond to inquiries within **24 hours**.
- **Contact Information:** For warranty claims or technical support, please refer to the contact details provided on the Roinvou official website or your purchase documentation.