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Roinvou 2+64G

Roinvou 2+64G Car Stereo User Manual

For Toyota RAV4 (2006-2012)

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Roinvou 2+64G Android 13 Car Stereo. This unit is specifically designed for Toyota RAV4 models manufactured between 2006 and 2012, offering advanced features such as wireless CarPlay, Android Auto, Bluetooth connectivity, GPS navigation, Wi-Fi, and Mirror Link capabilities. Please read this manual thoroughly before use to ensure proper installation and optimal performance.



Figure 1: Roinvou 2+64G Car Stereo and Included Accessories.

This image displays the Roinvou 2+64G car stereo unit, a compact backup camera, an external microphone, and a smartphone screen illustrating the CarPlay and Android Auto interfaces. These are key components of the product package.

Vehicle Compatibility

This Roinvou car stereo is compatible with Toyota RAV4 models produced from 2006 to 2012. It is crucial to verify your vehicle's dashboard configuration to ensure proper fitment. The unit is designed to integrate seamlessly with standard RAV4 dashboards. However, it is **not compatible** with vehicles equipped with original JBL sound systems or factory-installed navigation systems.



Figure 2: Toyota RAV4 Dashboard Compatibility.

This image illustrates the compatibility of the Roinvou car stereo with different Toyota RAV4 dashboards. It shows a standard dashboard where the unit fits correctly after installation, and highlights dashboards with original JBL sound systems or factory navigation, indicating that the unit is not compatible with these configurations.

Before installation, please compare your car's dashboard with the images provided to confirm compatibility. If you have an original JBL system or factory navigation, this unit will not fit.

Setup and Installation

Proper installation is essential for the functionality and longevity of your Roinvou car stereo. It is recommended that installation be performed by a qualified professional.

1. Unboxing and Package Contents

Carefully unpack all components and verify that all items listed below are present and undamaged.



Figure 3: Package Contents.

This image displays the complete list of items included in the product package: the main car stereo unit, power cable, two USB cables, reverse line cable, GPS antenna, RCA harness, an installation tool kit, an external microphone, and an AHD backup camera.

- Roinvou Car Stereo Unit
- Power Cable
- RCA Harness
- GPS Antenna
- AHD Backup Camera
- External Microphone
- Rear Camera Input Cable
- Dual USB Cable
- Installation Tool

2. Wiring Connections

Follow the wiring diagrams carefully. Incorrect connections can damage the unit or your vehicle's electrical system.

Backup Camera Connection:

Connect the AHD backup camera according to the diagram below. Ensure the reverse input cable is plugged in, even if a reverse camera is not currently used, as this can affect Bluetooth and Wi-Fi signal reception.



Figure 4: Backup Camera Wiring Diagram.

This diagram illustrates the correct wiring for the backup camera. It shows the video output connecting to the stereo, the red wire connecting to the reversing lamp for power, and the black wire connecting to ground (GND). A note emphasizes that the reverse input cable must be connected even if the camera is not in use to prevent signal interference.

Steering Wheel Control (SWC) Connection:

The method for connecting steering wheel controls depends on whether your vehicle has a CANBUS decoder.



Figure 5: Steering Wheel Control Wiring.

This image provides instructions for connecting steering wheel controls. For vehicles without a CANBUS decoder, it shows how to connect the Key1/Key2 wires to the power cable and activate the function via the "SteeringWheelKey" manual match in settings. For vehicles with a CANBUS decoder, it instructs to connect the CANBUS before powering on and then configure settings via Apps > Settings > Factory Settings (1234) > CAN Settings, selecting the correct model and year.

- **Without CANBUS Decoder:** Connect the plugs or the steering wheel control wires (Key1/Key2) in the power cable to the corresponding port or wire of your original car. Then, go to the "SteeringWheelKey" manual match setting to activate the button function.
- **With CANBUS Decoder:** Connect the CANBUS before powering on the machine. Follow this path:**Apps > Settings > Factory Settings (1234) > CAN Settings**. Select the brand of the CANBUS decoder, then select the matching model and year according to your actual vehicle situation.

If your original car steering wheel controls are not working properly, you may need to cut the two wires circled in the package list image and wrap them with electrical tape. Then, test the steering wheel controls again. If you are unsure, contact customer service for assistance.

Operating Instructions

This section details the various functions and features of your Roinvou car stereo.

1. Wireless/Wired CarPlay & Android Auto

The unit supports both wireless and wired connections for Apple CarPlay and Android Auto, providing seamless integration with your smartphone.



Figure 6: CarPlay and Android Auto Interface.

This image illustrates the Apple CarPlay and Android Auto interfaces displayed on the car stereo screen. It emphasizes the ability to easily make/answer phone calls, listen to music, and use GPS navigation through these integrated smartphone platforms.

- **Connection:** Connect your phone to the car stereo via Bluetooth for wireless CarPlay/Android Auto, or use the original USB data cable for a wired connection.
- **Features:** Easily make/answer phone calls, listen to music, and utilize GPS navigation. Integrate smart voice control via Siri (for CarPlay) and Google Assistant (for Android Auto) for a more convenient driving experience.

2. Bluetooth & Mirror Link

The built-in Bluetooth module allows for hands-free communication and audio streaming. Mirror Link functionality extends your smartphone screen to the stereo display.



Figure 7: Mirror Link Functionality.

This image demonstrates the Mirror Link feature, showing a smartphone screen being synchronized and displayed on the larger car stereo screen. It highlights compatibility with both Android and iOS devices, and connectivity options including WiFi and USB.

- **Bluetooth:** Supports hands-free calls, phone book synchronization, and streaming music playback.
- **Mirror Link:** Compatible with Android and iOS smartphones. Synchronize your phone screen to the stereo display to enjoy multimedia content on a larger screen.

3. Wi-Fi & GPS Navigation

Connect to Wi-Fi for online features and utilize the built-in GPS for navigation.



Figure 8: GPS Navigation and Wi-Fi Connectivity.

This image displays the GPS navigation interface on the car stereo screen, showing map details and route information. It also illustrates the Wi-Fi connectivity feature, with various application icons such as YouTube and Netflix, indicating the ability to download and use apps when connected to Wi-Fi.

- **Wi-Fi:** Connect to a Wi-Fi network to download various applications from the Play Store. Enjoy online music, videos (e.g., YouTube), and other internet-based content.
- **GPS Navigation:** Built-in GPS navigation allows you to download offline navigation maps directly from the Play Store. Online maps also function perfectly when connected to Wi-Fi.

4. Audio Features (FM RDS Radio & DSP Sound)

The stereo includes an FM RDS radio and Digital Sound Processing (DSP) for enhanced audio quality.



Figure 9: Audio Features.

This image showcases the audio capabilities of the stereo, including the FM RDS radio interface with frequency display, a Bluetooth call screen for hands-free communication, and a Digital Sound Processing (DSP) equalizer interface allowing for detailed audio customization.

- **FM RDS Radio:** Tune into your favorite FM radio stations with RDS (Radio Data System) support for station information display.
- **DSP Sound:** Utilize the built-in DSP to customize your audio experience with various sound settings and equalizer adjustments.

5. Voice Assistant & Desktop Themes

Enhance your driving experience with voice commands and personalize your interface with various themes.



Figure 10: Voice Assistant.

This image illustrates the voice assistant feature, showing a visual representation of voice commands being processed. Example commands like "Turn on the radio," "Go home," "Close navigation," "Go to Los Angeles," "Go to a nearby gas station," and "Dodge the congestion" are displayed, indicating the range of hands-free operations available.



Figure 11: Desktop Themes.

This image presents a selection of 28 different user interface (UI) themes available for the car stereo. Each theme offers a unique visual layout and color scheme, allowing users to customize the appearance of their display.

- **Voice Assistant:** Use voice commands to control various functions, making your driving experience safer and more convenient.
- **Desktop Themes:** Choose from 28 different UI themes to personalize the appearance of your car stereo's interface.

Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior of the unit. Avoid abrasive cleaners or solvents, which can damage the surface.
- **Temperature:** Operate the unit within recommended temperature ranges. Extreme temperatures can affect performance and lifespan.

- **Software Updates:** Periodically check for software updates from the manufacturer to ensure the system runs efficiently and has the latest features and bug fixes.
- **Cable Connections:** Ensure all cables are securely connected. Loose connections can lead to intermittent issues or loss of functionality.

Troubleshooting

This section addresses common issues you might encounter and provides solutions.

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 or distorted audio.	Incorrect speaker wiring, volume too low, audio settings.	Verify speaker connections. Adjust volume. Check DSP/equalizer settings.
Bluetooth connection issues.	Phone not discoverable, incorrect pairing, interference.	Ensure phone's Bluetooth is on and discoverable. Delete previous pairings and re-pair. Move phone closer to unit.
GPS signal weak or inaccurate.	GPS antenna obstruction or improper placement.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
Wireless CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi interference, phone settings, software glitch.	Ensure phone's Wi-Fi and Bluetooth are enabled. Try restarting both phone and stereo. Check for software updates.
Steering wheel controls not working.	Incorrect wiring, software configuration.	Review SWC wiring (with/without CANBUS). Reconfigure SWC settings in the unit's menu.
Screen freezes or unit resets frequently.	Software issue, power instability, overheating.	Perform a factory reset (refer to settings menu). Ensure proper ventilation around the unit. Check power connections for stability.

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

Specifications

Key technical specifications for the Roinvou 2+64G Car Stereo:



Figure 12: Internal Hardware Overview.

This image provides a visual representation of the car stereo's internal hardware, emphasizing its 4-core processor, 2GB of RAM, and 64GB of internal storage (ROM). Accompanying icons highlight the benefits of this configuration: powerful processing, energy efficiency, and stable operation.

Feature	Detail
Model Name	2+64G
Product Dimensions	10.24 x 3.03 x 5.79 inches
Item Weight	2.75 pounds
Screen Size	9 Inches
Operating System	Android 13

Feature	Detail
Processor	4-Core
RAM	2GB
ROM (Internal Storage)	64GB
Connectivity	Bluetooth, USB, Wi-Fi
Special Features	CarPlay, Android Auto, Touchscreen, FM RDS Radio, Mirror Link, GPS Navigation, DSP, SWC, 28 Desktop Themes
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

Warranty Information

Roinvou provides a **One-Year Warranty** for this product from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.
For warranty claims or service, please retain your proof of purchase and contact Roinvou customer support.

Customer Support

If you have any questions, encounter difficulties during installation or operation, or require technical assistance, please contact Roinvou customer service. We are committed to providing 24-hour customer support.

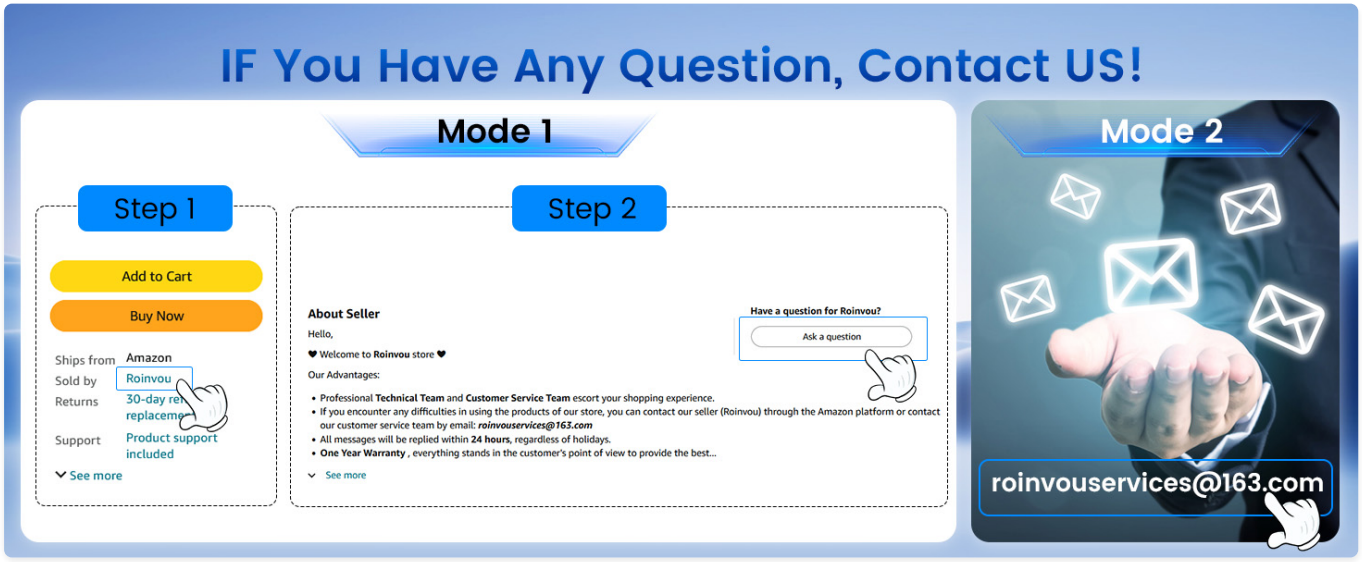


Figure 13: Contacting Customer Support.

This image outlines two primary methods for contacting Roinvou customer support: through the Amazon platform by clicking "Ask a question" on the seller's page, or directly via email at roinvouservices@163.com. It emphasizes the availability of 24-hour support and a

30-day refund/replacement policy.

- **Email Support:** For direct inquiries, you can reach us atroinvouservices@163.com. All messages are typically replied to within 24 hours, regardless of holidays.
- **Amazon Chat:** You can also contact us through Amazon's messaging system by navigating to the Roinvou store page and clicking "Ask a question."
- **Returns & Replacements:** A 30-day refund/replacement policy is available for eligible purchases.

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Product Model: **2+64G** | ASIN: **B0BY8VX627**

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