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> Roinvou 4+64G Android Car Stereo for Mazda 2 (2007-2014) Instruction Manual

Roinvou 4+64G

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User Guide

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Roinvou Android Car Stereo for Mazda 2 (2007-2014). Please read this manual thoroughly before use to ensure proper functionality and safety.

PRODUCT OVERVIEW

The Roinvou Android Car Stereo is designed to enhance your driving experience with advanced features and seamless integration. Key features include:

- 9-inch HD 1280x720 Touchscreen
- Android 15 Operating System with 8-Core CPU
- 4GB RAM + 64GB ROM
- Wireless/Wired Apple CarPlay and Android Auto
- 5G WiFi and Bluetooth 5.0
- 32-band EQ for audio customization
- GPS Navigation
- Backup Camera support
- Steering Wheel Control compatibility



Figure 1: Roinvou Android Car Stereo with included accessories (backup camera, microphone, cables).

This image displays the main unit of the Roinvou Android Car Stereo, designed for Mazda 2 (2007-2014), along with its essential components: a backup camera, an external microphone, and various connection cables. The screen shows a modern user interface with app icons and system information.

COMPATIBILITY

This car stereo is specifically designed for Mazda 2 models manufactured between 2007 and 2014. It includes an in-dash head unit, wiring harness cables, and a frame panel tailored for these vehicles.

Important Note: If your original car has a navigation system and you experience no sound after installation, ensure the AMP cable in the power cord is connected to the red ACC line. Always verify the power cable port matches your original car's before installation.

Compatible with Mazda 2 2007–2014



After Installation



Before Installation



Carplay



Android Auto



Mirror Link



GPS Navigation



Bluetooth



WIFI



Reverse Input



FM RDS Radio



DSP Sound



SWC



**If you have any questions, please contact us via
roinovouservices@163.com**

Figure 2: Before and after installation comparison for Mazda 2 (2007-2014) dashboard.

This image illustrates the dashboard of a Mazda 2 (2007-2014) before and after the installation of the Roinvou Android Car Stereo. The "Before Installation" side shows the original car radio, while the "After Installation" side displays the new 9-inch touchscreen unit seamlessly integrated into the dashboard.

SETUP AND INSTALLATION

Package Contents

Before beginning installation, verify all components are present:

- Roinvou Android Car Stereo Unit
- Power Cable
- RCA Cable
- GPS Antenna
- AHD Backup Camera

- External Microphone
- Rear Camera Input Cable
- Dual USB Cable
- Installation Tool

How to Connect the Backup Camera

Tip: The reverse input cable must be plugged in even if the reverse camera is not being used. Otherwise it will affect Bluetooth and WiFi signal reception.

Reversing Camera Wiring

Red Cable ①: Connects to the positive terminal of the car's reverse light cable

Black Cable ②: Connects to the negative terminal of the car's reverse light cable

There is no need to connect the other two red extension cables ③ and ④.

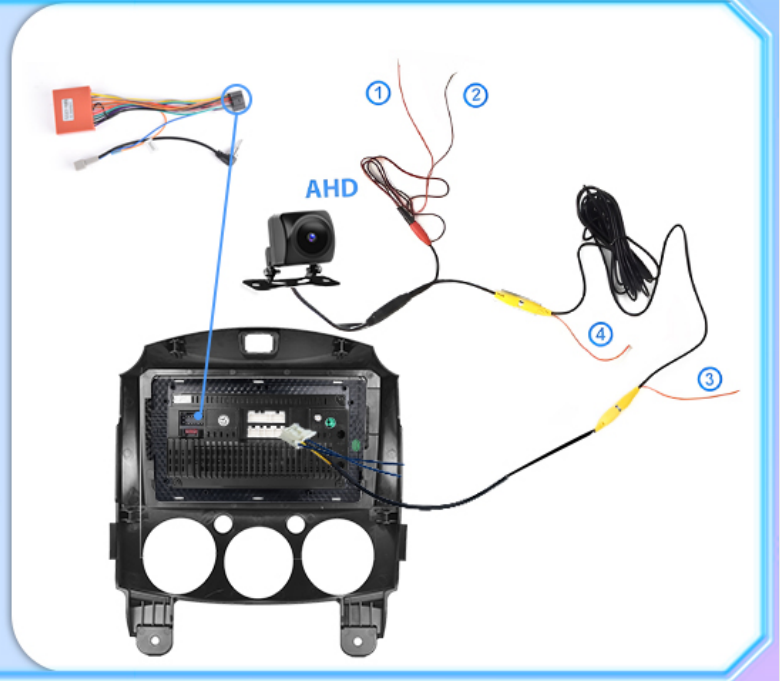


Figure 3: Contents of the Roinvou Android Car Stereo package.

This image displays all the components included in the Roinvou Android Car Stereo package. It shows the main head unit with its dimensions, the frame panel, and individual accessories such as the power cable, RCA harness, GPS antenna, AHD backup camera, external microphone, rear camera input cable, dual USB cable, and an installation tool.

Backup Camera Connection

To connect the backup camera:

1. Connect the **Red Cable (1)** to the positive terminal of the car's reverse light cable.
2. Connect the **Black Cable (2)** to the negative terminal of the car's reverse light cable.
3. The other two red extension cables (3) and (4) do not need to be connected.

Tip: The reverse input cable must be plugged in even if the reverse camera is not being used. Failure to do so may affect Bluetooth and WiFi signal reception.

Package List

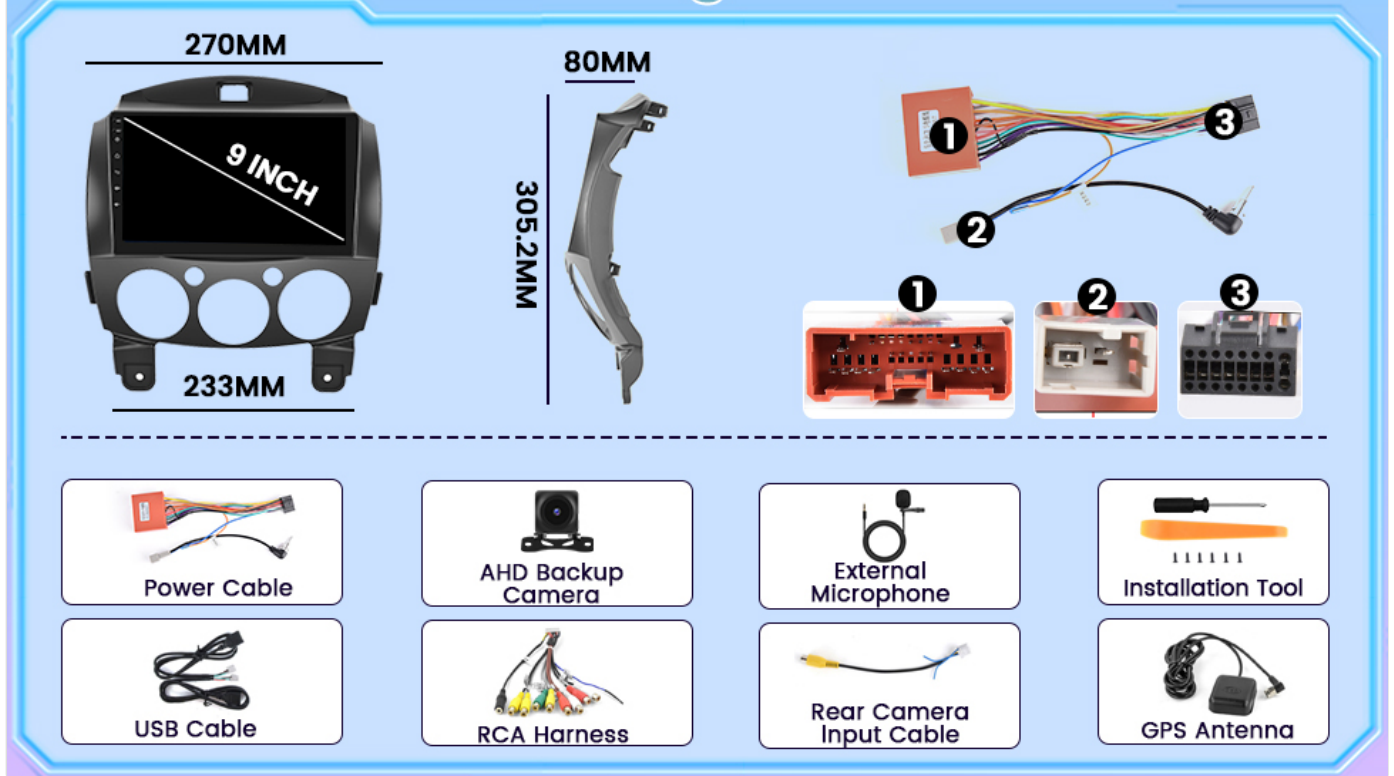


Figure 4: Detailed wiring instructions for the backup camera.

This diagram illustrates the correct wiring for the AHD backup camera. It clearly shows how to connect the red cable to the positive reverse light terminal and the black cable to the negative reverse light terminal, emphasizing that the additional red extension cables are not required.

OPERATING INSTRUCTIONS

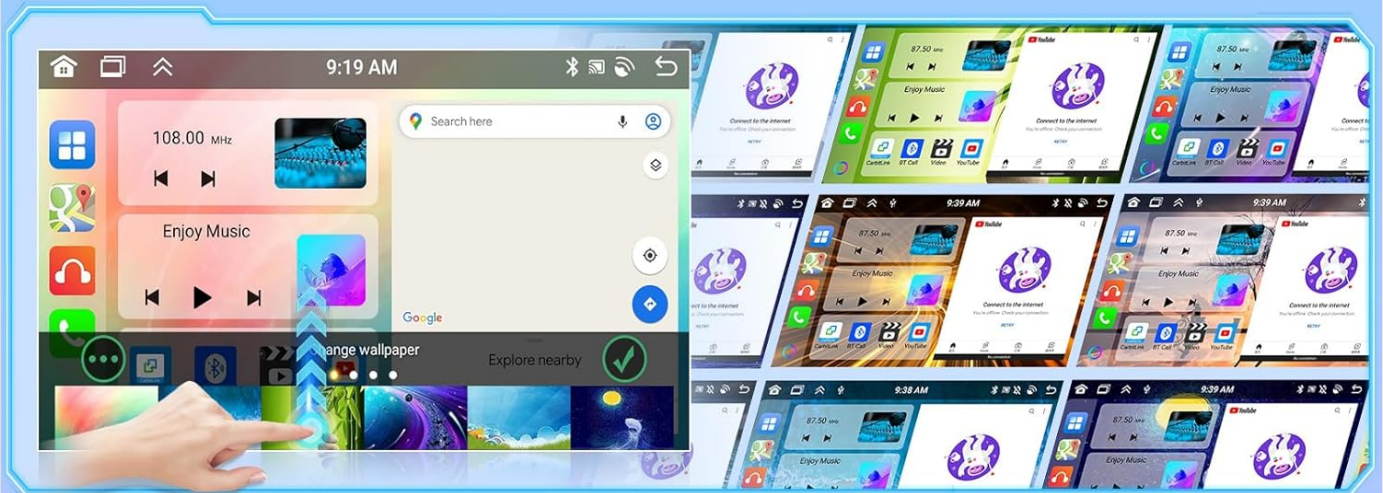
User Interface Customization

The system offers extensive customization options for its user interface:

- **Wallpapers:** Choose from 19 pre-installed wallpapers by touching the color circle in the lower left corner of the screen.
- **Desktop Themes:** Long-press the main interface to switch between 59 different desktop themes.

19 Wallpaper Options

Touch the color circle in the lower left corner of the screen to switch between 19 backgrounds.



59 Desktop Themes

Long press the main interface to switch 59 desktop themes.



Figure 5: Examples of wallpaper and desktop theme customization.

This image demonstrates the variety of customization options available for the car stereo's user interface. It shows multiple examples of different wallpapers and desktop themes, highlighting the ability to personalize the screen's appearance.

Wireless CarPlay & Android Auto

Connect your smartphone wirelessly via Bluetooth or using the original USB data cable for wired connection. This allows access to:

- Phone calls (make/answer)
- Music playback
- GPS navigation
- Smart voice control (Siri/Google Assistant)

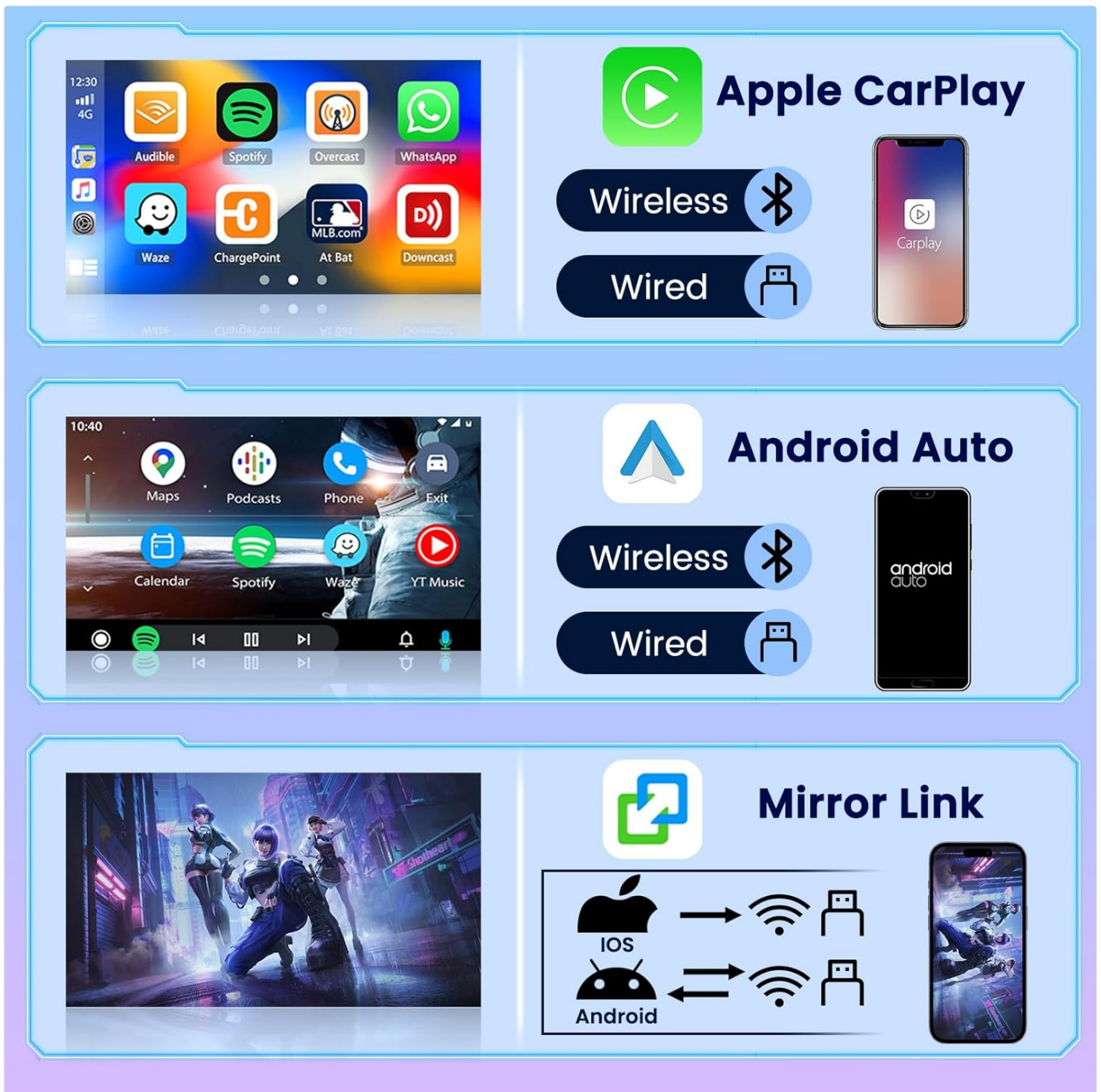


Figure 6: CarPlay, Android Auto, and Mirror Link interfaces.

This image displays the user interfaces for Apple CarPlay, Android Auto, and Mirror Link. It shows how these features integrate smartphone applications like navigation, music, and communication directly onto the car stereo's screen, supporting both wireless and wired connections.

Your browser does not support the video tag.

Video 1: Demonstration of UI functions, CarPlay, Android Auto, and Navigation.

This video showcases the various user interface functions of the Roinvou car stereo, including the seamless integration of Wireless CarPlay and Android Auto for music playback, navigation, and hands-free calling. It also demonstrates the voice control feature and the dual-screen capability.

Mirror Link

Synchronize your Android or iOS smartphone screen with the head unit to display videos and other content on the larger screen.

GPS Navigation

The unit includes a built-in GPS module. You can use both offline and online maps. Offline maps can be downloaded

directly from the Play Store.

GPS Navigation

Built-in GPS module, you can use offline and online maps directly.
(Tips: You need to download free offline map data.)



WiFi or Hotspot

Support WiFi or Hotspot connection, you can install apps from the Play Store,
watch online videos as well as navigate online.

Figure 7: GPS Navigation interface and WiFi/Hotspot connectivity.

This image illustrates the GPS navigation capabilities of the car stereo, showing a map interface. It also highlights the device's ability to connect to WiFi or a mobile hotspot, enabling app installations from the Play Store, online video streaming, and real-time navigation updates.

Bluetooth 5.0

Built-in Bluetooth 5.0 ensures a stable connection for hands-free calls, phone book synchronization, and music streaming.

Hands-free Bluetooth

Built-in and external microphones (including microphone), support for hands-free calling, music playback, voice functions, synchronization of contacts and more.



FM/RDS Radio

High-quality FM/RDS radio with 18 preset stations provides channel broadcasting, weather forecast, real-time road conditions.



Figure 8: Bluetooth hands-free calling and FM/RDS radio interface.

This image showcases the hands-free Bluetooth calling feature, displaying a dial pad and contact options on the screen. It also illustrates the FM/RDS radio interface, showing frequency tuning and preset stations, emphasizing the ability to listen to broadcasts and real-time traffic information.

FM/RDS Radio

Access high-quality FM/RDS radio with 18 preset stations for news, traffic, and weather updates.

Steering Wheel Control (SWC)

Control the stereo functions directly from your steering wheel for convenience and safety.

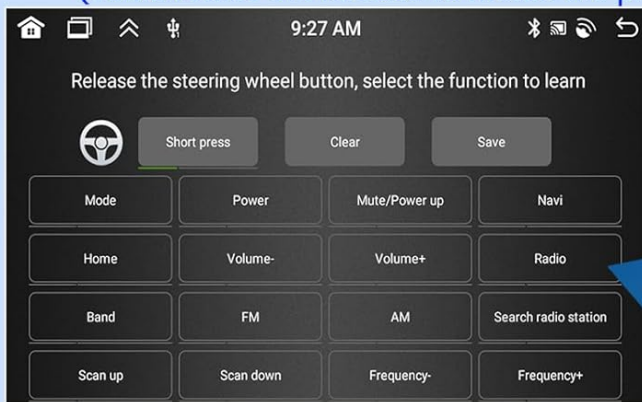
- **Without CANBUS Decoder:** Connect the steering wheel control wires (Key1/Key2) in the power cable to the corresponding port or wire of your original car. Then, use the "SteeringWheelKey" manual match function to activate the buttons.
- **With CANBUS Decoder:** Connect the CANBUS before powering on the machine. Navigate to **Apps > Settings > Factory Settings (1234) > CAN Settings**. Select the brand of the CANBUS decoder and then the matching model

and year.

Steering Wheel Control

Use the "SteeringWheelKey" to control the radio, making the operation more convenient.

(Some radios are needed to match the protocol/CANBUS box to activate this feature).



AHD Reversing Image

Once you put the car in reverse gear, the radio will automatically display the reversing image.



Figure 9: Steering Wheel Control interface and setup.

This image shows the on-screen interface for setting up steering wheel controls. It visually guides the user on how to map physical steering wheel buttons to various functions of the car stereo, enhancing convenience and safety during driving.

AHD Reversing Image

When the vehicle is shifted into reverse gear, the stereo will automatically display the rear view from the connected AHD backup camera.

Compatible with Mazda 2 2007–2014



After Installation



Before Installation



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Figure 10: AHD Reversing Image in action.

This image demonstrates the AHD reversing image feature, showing the car stereo display automatically switching to the rear camera view when the vehicle is in reverse. Parking guidelines are overlaid on the image for assistance.

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system updates to ensure optimal performance and access to new features. Updates can typically be found in the system settings under "About device" or "System updates."
- **Cable Connections:** Ensure all cables are securely connected to prevent intermittent issues with power, audio, or data transmission.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Incorrect AMP cable connection (for cars with original navigation system).	Ensure the AMP cable in the power cord is connected to the red ACC line.
Stereo not powering on	Loose power connection or blown fuse.	Check all power cable connections. Inspect vehicle fuses and replace if necessary.
Bluetooth/WiFi signal issues	Reverse input cable not connected.	Ensure the reverse input cable is plugged in, even if the camera is not used.
Steering Wheel Controls not working	Incorrect wiring or software configuration.	Refer to the "Steering Wheel Control (SWC)" section for wiring and software setup instructions.
System freezes or unresponsive	Software glitch or temporary error.	Perform a soft reset by pressing the reset button (if available) or disconnecting the car battery for a few minutes.

SPECIFICATIONS

Feature	Detail
Model	4+64G Android Car Stereo for Mazda 2
Operating System	Android 15
CPU	8 Core
RAM	4GB
ROM	64GB
Screen Size	9 Inches
Screen Resolution	HD 1280 * 720
Connectivity	Wireless/Wired CarPlay, Android Auto, 5G WiFi, Bluetooth 5.0, USB
Audio Features	32-band EQ, FM/RDS Radio
Navigation	GPS Navigation (supports offline/online maps)
Additional Features	Mirror Link, Voice Control, Steering Wheel Control, AHD Backup Camera Support
Product Dimensions	10.63 x 3.15 x 12.01 inches
Item Weight	4.8 pounds

WARRANTY INFORMATION

For warranty details and terms, please refer to the documentation included with your purchase or contact Roinvou customer support directly. Protection plans may be available for extended coverage.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your Roinvou Android Car Stereo, please contact our customer support team:

- **Email:** roinvouservices@163.com
- **Online:** Visit the official Roinvou store on Amazon for FAQs and further assistance.



Figure 11: Roinvou customer support details.

This image provides contact information for Roinvou customer support, including an email address and instructions on how to find assistance through the Amazon store. It emphasizes 24-hour customer support and details regarding returns and refunds.