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› Roinvou Android 15 Car Radio Instruction Manual for Mazda MX-5 Miata 2006-2015

Roinvou Android 15

Roinvou Android 15 Car Radio Instruction Manual

For Mazda MX-5 Miata 2006-2015

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1. PRODUCT OVERVIEW

This manual provides instructions for the Roinvou Android 15 Car Radio, a 9-inch capacitive HD touch screen head unit designed for Mazda MX-5 Miata models manufactured between 2006 and 2015. This unit integrates advanced features such as Wireless CarPlay, Android Auto, 5G WiFi, GPS navigation, and Bluetooth 5.0 to enhance your driving experience.

1.1 Vehicle Compatibility

This car radio stereo is compatible with Mazda MX-5 Miata models from 2006 to 2015. For verification, please confirm your car's model, production year, and provide a picture of your car's dashboard to customer support.

1.2 Key Features

- **Operating System:** Android 15
- **Display:** 9-inch Capacitive HD Touch Screen (1280*720 resolution)
- **Connectivity:** Wireless CarPlay & Android Auto, Bluetooth 5.0, 5G WiFi
- **Navigation:** Built-in GPS
- **Audio:** 32-band EQ settings, FM/RDS Radio
- **Additional:** Support for Backup Camera, Steering Wheel Control, Mirror Link, Split Screen



Image: Comparison of the Mazda MX-5 Miata dashboard before and after installation of the Roinvou Android 15 Car Radio. The 'After' image displays the new 9-inch screen with various app icons, while the 'Before' image shows the original factory radio unit.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Roinvou Car Stereo for Mazda MX-5 Miata
- 1 x Power Cable
- 1 x Original USB Cable
- 1 x RCA Harness
- 1 x GPS Antenna
- 1 x AHD Backup Camera
- 1 x External Microphone
- 1 x Rear Camera Input Cable
- 2 x USB Cables
- 1 x Installation Tool

Product Size & Package List



Image: Visual representation of the Roinvou car radio's dimensions and a comprehensive list of all components included in the product package, such as cables, antennas, and the backup camera.

3. INSTALLATION GUIDE

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation to prevent electrical damage.

3.1 Wiring Port Connections

Refer to the wiring diagram for correct connections. Each port is labeled for clarity.

- **Power Cable:** Connects to the vehicle's power supply. Ensure the 'AMP CTRL' wire of the power cable is connected to the red wire ACC if experiencing no sound.
- **RCA Cable:** For audio and video output/input.
- **USB Cable:** For data transfer and charging.
- **Camera Input:** For connecting the AHD backup camera.
- **Radio Antenna:** For FM/RDS radio reception.
- **GPS Antenna:** For GPS navigation functionality.

Wiring Port



Image: A detailed diagram illustrating the various wiring ports on the back of the Roinvou car radio unit, along with labels for the Power Cable, RCA Cable, USB Cable, Camera Input, Radio Antenna, and GPS Antenna.

3.2 Backup Camera Wiring

The reverse input cable must be plugged in even if the reverse camera is not being used, as it affects Bluetooth and WiFi signal reception.

- **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.
- The two red rod extension cables (3 and 4) do not need to be connected.

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.

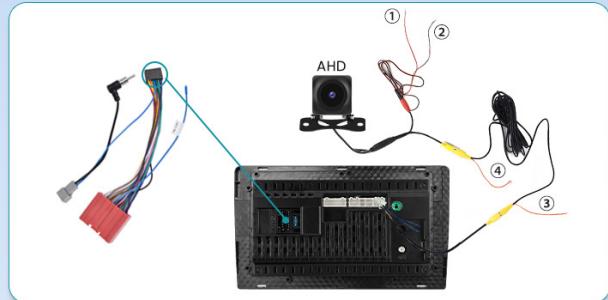


Image: A visual guide demonstrating the correct wiring connections for the AHD backup camera, specifically highlighting the red and black cables for power and ground.

3.3 Steering Wheel Control (SWC)

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

- **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 "SteeringWheel Key" in the manual match settings to activate the button functions.
- **With CANBUS Decoder:** Connect the CANBUS before powering on the machine. Navigate to Apps > Settings > Factory Settings (password: 8888/8317) > Vehicle > Automotive type. Select the brand of the CANBUS decoder and then the matching model and year according to your vehicle's specifications.

Without CANBUS Decoder:

Please 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, and then go to "SteeringWheel Key" manual match to activate the button function.

Contain CANBUS Decoder:

Please connect the canbus before powering on the machine, and then follow this path (Apps - Settings - Factory Settings(8888/8317) - Vehicle - Automotive type) to make SWC work properly. First select the brand of the canbus decoder, then select the matching model and year according to the actual situation.

Image: Explanations for configuring steering wheel controls, detailing steps for vehicles both with and without a CANBUS decoder, including menu navigation for settings.

4. INITIAL SETUP

4.1 Power On and Initial Boot

After installation, turn on your vehicle's ignition. The car radio will power on automatically. The system will typically boot into Android mode.

4.2 WiFi Connection

To access online features, connect the unit to a WiFi network:

1. Go to **Settings** on the main menu.
2. Select **Network & Internet**.
3. Turn on **Wi-Fi** and select your desired network.
4. Enter the password if prompted.

4.3 Wireless CarPlay & Android Auto Setup

This unit supports wireless connection for both Apple CarPlay and Android Auto. Ensure Bluetooth is enabled on your smartphone.

1. On the car radio, open the **CarPlay** or **Android Auto** application.
2. On your smartphone, search for the car radio's Bluetooth device name and pair.
3. Confirm the pairing on both devices. Your smartphone should automatically connect to CarPlay or Android Auto upon entering the vehicle in subsequent uses.

Wireless CarPlay & Android Auto



Support Most APPS



Spotify



Waze



Whats App



Youtube



Twitter

Image: A visual demonstration of the wireless CarPlay and Android Auto features, showing a smartphone wirelessly connected to the car radio display, with icons for voice control, hands-free calling, online music, and online maps.

4.4 GPS Navigation Setup

The unit comes with built-in GPS. You can download offline navigation maps directly from the Google Play Store. Once connected to WiFi, online maps will also function.

GPS Navigation & WiFi

Built-in GPS navigation, you can download offline navigation directly from the Play Store. After connecting to WiFi, the online map can also be used perfectly.



Image: The GPS navigation screen displaying a map with a highlighted route and location pins. Surrounding the main screen are icons representing various online applications accessible via WiFi.

4.5 Audio Equalizer (EQ) Settings

Customize your audio experience with the 32-band EQ settings:

1. Access the **EQ** application from the main menu or settings.
2. Adjust the frequency bands to achieve your desired sound profile.
3. Pre-set options may also be available for quick selection.



Image: The 32-band equalizer interface, showing adjustable sliders for various audio frequencies and a visual representation of sound balance within the car's cabin.

5. OPERATING INSTRUCTIONS

5.1 Wireless CarPlay & Android Auto

Once paired, your smartphone will automatically connect. You can use voice commands (Siri/Google Assistant) for calls, music, navigation, and app control. This feature supports most common applications like Spotify, Waze, WhatsApp, YouTube, and Twitter.

5.2 Mirror Link Function

The Mirror Link function allows you to synchronize your smartphone screen (Android via USB/WiFi, iOS via WiFi) to the car radio display, enabling you to enjoy videos and other content on a larger screen.

Mirror Link Function

Mirror Links for Android and iOS smartphones, you can synchronize the phone screen to enjoy playing video on a larger screen.



For IOS: WIFI
For Android: USB/WIFI

Image: A visual representation of the Mirror Link feature, where a smartphone's display is duplicated onto the larger car radio screen, showing a dolphin image.

5.3 FM/RDS Radio

The built-in FM/RDS radio allows you to listen to local broadcasts, real-time traffic updates, and weather forecasts. You can preset your favorite stations for quick access.

FM/RDS Radio



Image: The FM/RDS radio interface displaying various radio frequencies and controls for tuning and station selection.

5.4 Steering Wheel Control

Once configured (see Section 3.3), you can use your car's steering wheel buttons to quickly switch functions, adjust volume, answer/end calls, and control media playback without taking your hands off the wheel.



Image: A composite image showing the steering wheel controls with their corresponding functions (Previous, Next, HangUp, Answer, Volume+, Volume-) and a view from the AHD backup camera displaying parking guidelines.

5.5 Split Screen Function

The split screen feature allows you to run two applications simultaneously on the 9-inch display, such as navigation and music, or a web browser and another app.



Image: Examples of the user interface, including a three-panel homepage display and the split-screen mode showing two applications running side-by-side.

5.6 Bluetooth 5.0

Connect your phone via Bluetooth 5.0 for hands-free calling and audio streaming. The built-in microphone ensures clear communication during calls.

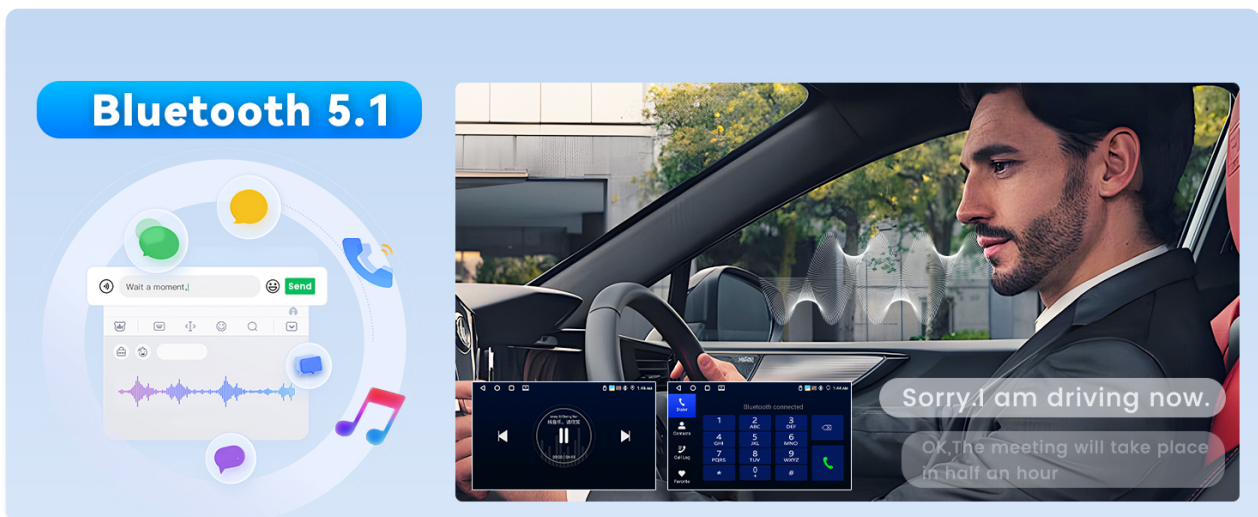


Image: The Bluetooth 5.1 interface displaying options for phone calls, contacts, and music playback, with a visual of a driver using the hands-free calling feature.

6. MAINTENANCE

6.1 Cleaning the Screen

Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.

6.2 Software Updates

Periodically check for software updates through the unit's settings menu to ensure optimal performance and access to the latest features. Connect to a stable WiFi network for updates.

7. TROUBLESHOOTING

- **No Sound:** Ensure the 'AMP CTRL' wire of the power cable is correctly connected to the red wire ACC. Check all audio connections.
- **Backup Camera Not Displaying:** Verify that the reverse input cable is securely plugged into the unit. Check the camera's power and video connections.
- **Bluetooth/WiFi Connectivity Issues:** Ensure the reverse input cable is connected, as it can affect signal reception. Restart the unit and your smartphone. Check WiFi settings and password.
- **Steering Wheel Controls Not Working:** Review Section 3.3 for proper CANBUS or non-CANBUS wiring and software configuration.
- **Unit Freezes or Responds Slowly:** Try restarting the unit. If the issue persists, a factory reset may be necessary (note: this will erase all user data).

8. SPECIFICATIONS

Feature	Detail
Model Name	Android 15
Display Size	9 Inches
Resolution	1280*720
Operating System	Android
Connectivity Technology	Bluetooth, USB, Wi-Fi
Special Features	Wireless CarPlay, Wireless Android Auto, Mirror Link, Bluetooth 5.0, Touchscreen, GPS Navigation, WiFi Connection, FM RDS Radio, Support Reverse Input, Split Screen, EQ Setting, SWC
Item Weight	3.61 pounds
Package Dimensions	11.02 x 9.65 x 3.94 inches
Mounting Type	Dashboard Mount
Audio Output Mode	Stereo
Vehicle Service Type	Car

9. WARRANTY & SUPPORT

9.1 Product Warranty

This Roinvou car radio comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Roinvou customer support. You can reach them through the following methods:

- **Amazon Store:** Visit the [Roinvou Store on Amazon](#) and click 'Ask a question'.
- **Email:** roinvouservices@163.com



Image: A visual guide detailing how to access Roinvou customer support through the Amazon platform, including clicking on the Roinvou store and then the 'Ask a question' button.