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Roinvou Roinvou-A7163A3796A4MI2-31US

Roinvou 9-inch Car Stereo User Manual

Model: Roinvou-A7163A3796A4MI2-31US

1. Introduction

Thank you for choosing the Roinvou 9-inch Car Stereo for your Mazda CX7 (2006-2012). This advanced car stereo system is designed to seamlessly integrate into your vehicle, offering a superior in-car entertainment and navigation experience. Featuring Android 13, Wireless CarPlay, Android Auto, a high-definition touch screen, DSP audio processing, and a backup camera, this unit provides modern connectivity and convenience. Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the product's potential.

2. Package Contents

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

- 1 x Roinvou Car Stereo for Mazda CX7
- 1 x Power Cable
- 1 x Canbus Decoder
- 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 & Accessories Kit

3. Specifications

Feature	Specification
System	Android 13

Chipset	MT8163
Operating Speed	1.3GHz
Memory (RAM+ROM)	2GB RAM + 64GB ROM
Screen Resolution	1024*600 HD
Bluetooth Version	4.1
Radio Chip	MT6625N
Power Output	4*45W
Work Temperature	-20 to 75
Radio Band	FM/RDS
Reversing Input	AHD/CVBS
Connectivity	Bluetooth, Wi-Fi, USB
Special Features	CarPlay, Android Auto, Mirror Link, GPS Navigation, DSP, EQ, SWC, 26 Desktop Themes

4. Setup and Installation

The Roinvou Car Stereo is designed for a seamless replacement of your Mazda CX7's original dash panel. While the installation process is generally straightforward, professional installation is highly recommended to ensure correct wiring and functionality, especially for the CANbus integration and backup camera setup.

4.1 Pre-Installation Check

- Ensure your vehicle is a Mazda CX7 model year 2006-2012.
- Disconnect the vehicle's battery before starting any electrical work.
- Familiarize yourself with your vehicle's dashboard layout and existing wiring.

4.2 Installation Steps (General Guide)

1. Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
2. Connect the provided power cable and CANbus decoder to the corresponding vehicle harnesses.
3. Connect the GPS antenna, external microphone, and USB cables to the new stereo unit. Route these cables appropriately.
4. Install the AHD backup camera at the rear of your vehicle and connect its video input cable to the stereo's rear camera input.
5. Carefully slide the new Roinvou car stereo into the dashboard opening, ensuring all cables are clear and not pinched.
6. Secure the stereo unit in place using the provided mounting brackets and screws.
7. Reinstall the dashboard trim panels.
8. Reconnect the vehicle's battery and test the stereo's functionality.



Image: Comparison of the Mazda CX7 dashboard before and after the installation of the Roinvou car stereo, demonstrating the seamless integration and upgraded appearance.

5. Operating Instructions

5.1 General Interface and Navigation

The car stereo operates on an Android 13 system, providing a familiar and intuitive user interface. Navigate through applications and settings using the responsive 9-inch touchscreen. The main screen displays frequently used apps and system information.



Image: The main display of the Roinvou car stereo, showcasing various application icons such as iHeart, Telegram, Waze, and Spotify, along with system status indicators.

5.2 Wireless CarPlay & Android Auto

Connect your smartphone wirelessly via Bluetooth to access CarPlay (for iPhone) or Android Auto (for Android phones). This feature allows you to safely use essential phone functions like navigation, making calls, sending messages, and playing music directly from the car stereo's screen.

5.3 Mirror Link Functionality

The Mirror Link feature enables you to mirror your smartphone's screen directly onto the car stereo display. This is compatible with both iOS and Android devices, offering a versatile way to view content from your phone.



Image: An illustration detailing the connectivity options for Apple CarPlay (wireless/wired), Android Auto (wireless/wired), and Mirror Link (wireless/wired), showing how smartphones connect via Bluetooth or USB.

5.4 GPS Navigation & Wi-Fi Connection

The unit comes with built-in offline maps (requires internet to download data). With Wi-Fi connected, you can use online navigation applications like Google Maps for real-time traffic updates and precise routing. The Wi-Fi connection also allows for app downloads and internet browsing.



Image: A visual representation of the GPS navigation capabilities, showing a car on a road with navigation directions on the stereo screen, alongside icons for music and Wi-Fi connectivity.

5.5 Hands-free Bluetooth & FM/RDS Radio

Utilize Bluetooth for hands-free calling and audio streaming. The system supports auto-loading of your phone book for easy access to contacts. The integrated FM/RDS radio provides stable reception, displaying station names, traffic conditions, and news where available. Intelligent channel memory allows for quick access to your favorite stations.



Image: The car stereo display showing the Bluetooth music playback interface and a phone call screen, along with the FM radio interface displaying station frequencies and RDS information.

5.6 UI Themes & EQ Settings

Personalize your stereo's appearance with 26 different desktop themes. The Digital Sound Processor (DSP) and Equalizer (EQ) settings allow for precise audio customization. Adjust frequency bands (high/medium/low) and select from various pre-set EQ modes to optimize your listening experience.

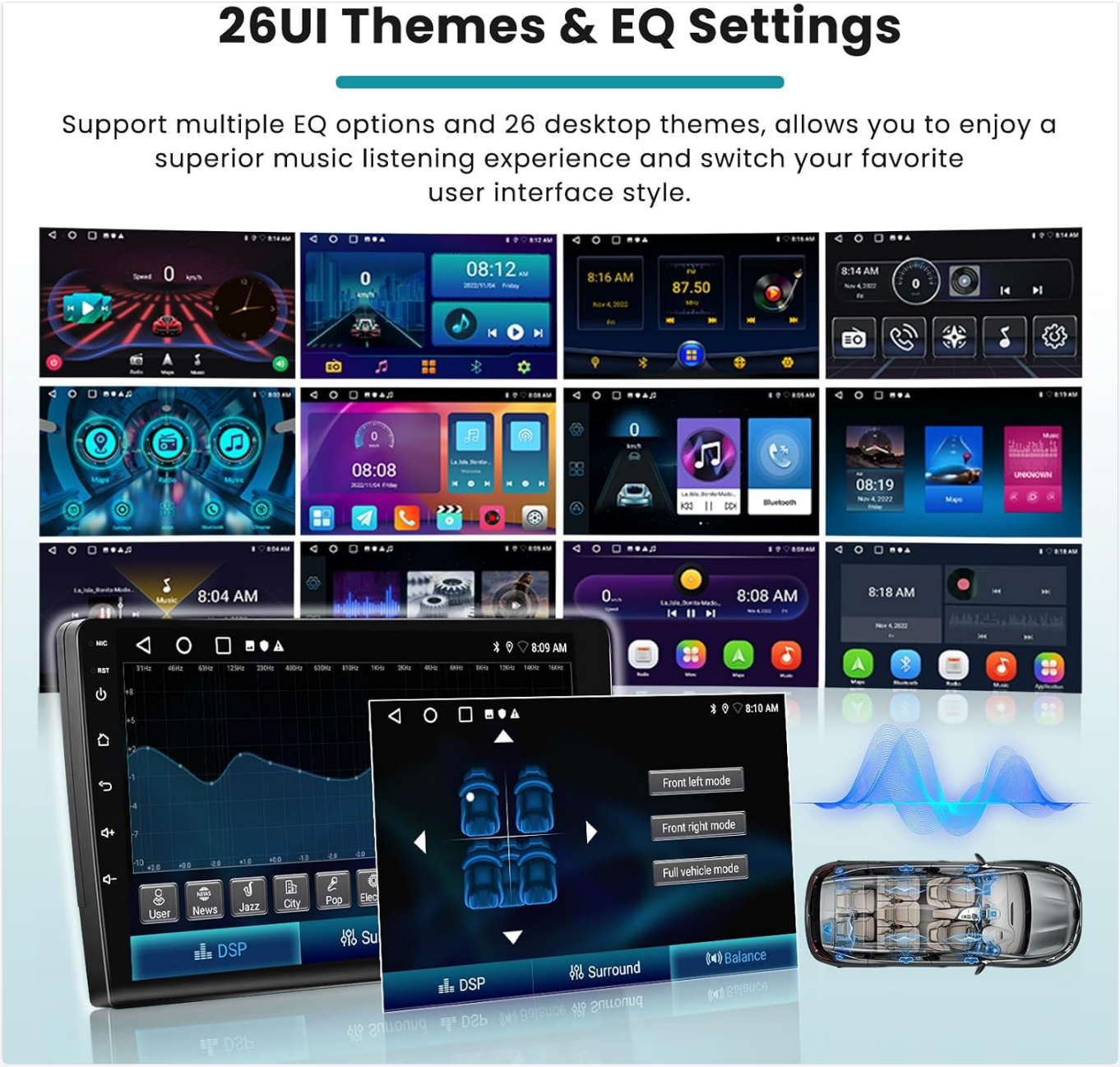

Image: A collage of various user interface themes available on the car stereo, demonstrating different layouts and color schemes, alongside a detailed view of the graphic equalizer (EQ) settings and sound balance controls.

5.7 Steering Wheel Control (SWC) & AHD Rear View Camera

The unit supports learning original steering wheel control buttons, allowing you to manage volume, tracks, and calls without taking your hands off the wheel. The included AHD backup camera provides a high-definition view of the area behind your vehicle when reversing, enhancing safety and convenience. The display automatically switches to the camera feed when the vehicle is in reverse.



Image: The car stereo display showing the rear view camera feed with parking guidelines, along with icons representing various camera features like HD view and waterproof design. Below, a diagram illustrates the steering wheel control button mapping.

6. Troubleshooting

If you encounter any issues with your Roinvou car stereo, please refer to the following common problems and solutions:

- **No Power:**
  - Check all power cable connections.
  - Verify the vehicle's fuse for the radio is intact.
  - Ensure the vehicle's battery is properly connected and charged.
- **No Sound:**
  - Check speaker wire connections.
  - Ensure volume is not muted or set to zero.
  - Verify audio output settings in the system menu.
- **Bluetooth Connectivity Issues:**

- Ensure Bluetooth is enabled on both the stereo and your smartphone.
- Delete previous pairings and re-pair the devices.
- Restart both the stereo and your smartphone.

- **GPS Signal Loss:**
  - Ensure the GPS antenna is properly installed and has a clear view of the sky.
  - Check the GPS settings in the system menu.
- **Backup Camera Not Displaying:**
  - Check the camera's power and video signal connections.
  - Ensure the vehicle is in reverse gear.
  - Verify camera input settings in the stereo menu.

If the problem persists after trying these solutions, please contact Roinvou customer support for further assistance.

7. Maintenance

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

- **Cleaning the Screen:** Use a soft, lint-free cloth specifically designed for electronic screens. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates from the manufacturer to ensure you have the latest features and bug fixes. Updates can typically be performed via Wi-Fi.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Management:** Ensure all cables are securely connected and not exposed to excessive tension or friction, which could lead to damage.

8. Warranty and Support

Roinvou products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Roinvou website. For technical support, troubleshooting assistance, or any other inquiries, please contact Roinvou customer service through the contact information provided on the product packaging or the official website. When contacting support, please have your product model number (Roinvou-A7163A3796A4MI2-31US) and purchase details ready.

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