MekedeTech 8-Core 2+32G

MekedeTech Android 13 Car Radio Stereo User Manual

Model: 8-Core 2+32G for Honda Accord 2003-2007

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your MekedeTech Android 13 Car Radio Stereo. Designed specifically for Honda Accord models from 2003 to 2007, this head unit offers advanced features including Wireless CarPlay, Wired Android Auto, GPS Navigation, Digital Sound Processor (DSP), Bluetooth, 4G LTE, and Wi-Fi connectivity.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your driving experience.

2. Product Overview

Key Features:

- Android 13 Operating System with 8-Core CPU, 2GB RAM, and 32GB ROM for fast response.
- 10.1-inch 1280x720 HD IPS Multi-touch Screen.
- Built-in DSP for enhanced audio quality.
- Integrated GPS Navigation compatible with online maps (Waze, Google Maps, etc.).
- Wireless Apple CarPlay & Wired Android Auto for seamless smartphone integration.
- Bluetooth for hands-free calling and audio streaming.
- 4G LTE and Wi-Fi connectivity.
- Supports dual and single climate control for compatible Honda Accord models.

Technical Specifications:

Item Weight	1.13 ounces
Package Dimensions	16.73 x 13.7 x 5.16 inches

Display Size	10 Inches
Display Resolution	1280x720
Operating System	Android 13
Connectivity Technology	Wireless, Bluetooth, Wi-Fi, USB
Audio Output Mode	Stereo

3. Setup and Installation

What's in the Box:

- 10-inch Touch Screen with Installation Kit
- Power Cable
- Reverse Cable
- USB Cables (x2)
- RCA Cable
- Air Condition Cable
- GPS Antenna
- 4G Antenna
- Microphone (MIC)
- Reversing Camera Cable

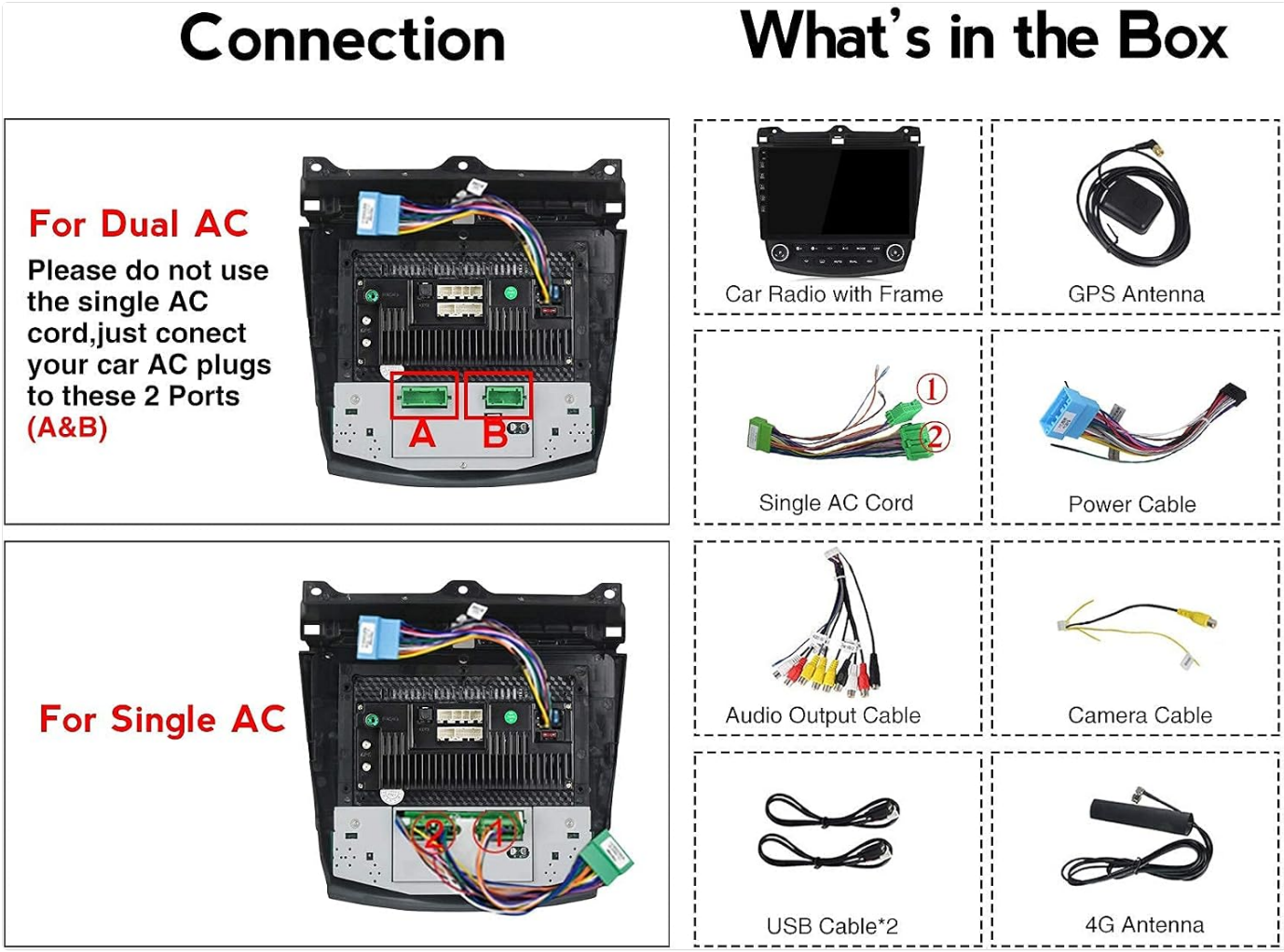


Figure 3.1: Package Contents and AC Wiring Diagrams

Installation Guide:

The MekedeTech car stereo is designed for a direct fit in Honda Accord 2003-2007 models. Ensure your vehicle is compatible (not Diesel version or original navigation, supports dual and single climate control).

1. **Pre-Installation Check:** Before beginning, disconnect the vehicle's battery.
2. **Remove Old Unit:** Carefully remove the existing car stereo and climate control panel.
3. **Connect Wiring Harnesses:** Connect the provided power cable, RCA cables, USB cables, and other necessary harnesses to the new head unit. Pay close attention to the AC wiring: for dual AC systems, connect your car's AC plugs to ports A and B as shown in Figure 3.1. For single AC, use the designated single AC cord.
4. **Special Cable Connections:**
    - **RX/TX Cable:** Ensure the small RX/TX cable from the power cable is connected correctly. One port connects to the frame port, and the other to the unit-back port. This connection is crucial for AC functionality.
    - **Canbus:** If your car requires Canbus, connect the appropriate cable to the designated port on the back of the unit.
    - **Microphone Lead:** It is highly recommended to install and run the external microphone lead for optimal Bluetooth calling performance.
    - **Reverse Camera Trigger:** The trigger wire for the reverse camera is typically a brown wire labeled "back" on the blue harness, located as the third wire from the black and red wires.
5. **GPS and 4G Antennas:** Connect the GPS and 4G antennas and position them for optimal signal reception.
6. **Secure the Unit:** Mount the new head unit securely into the dashboard.
7. **Reconnect Battery:** Reconnect the vehicle's battery.

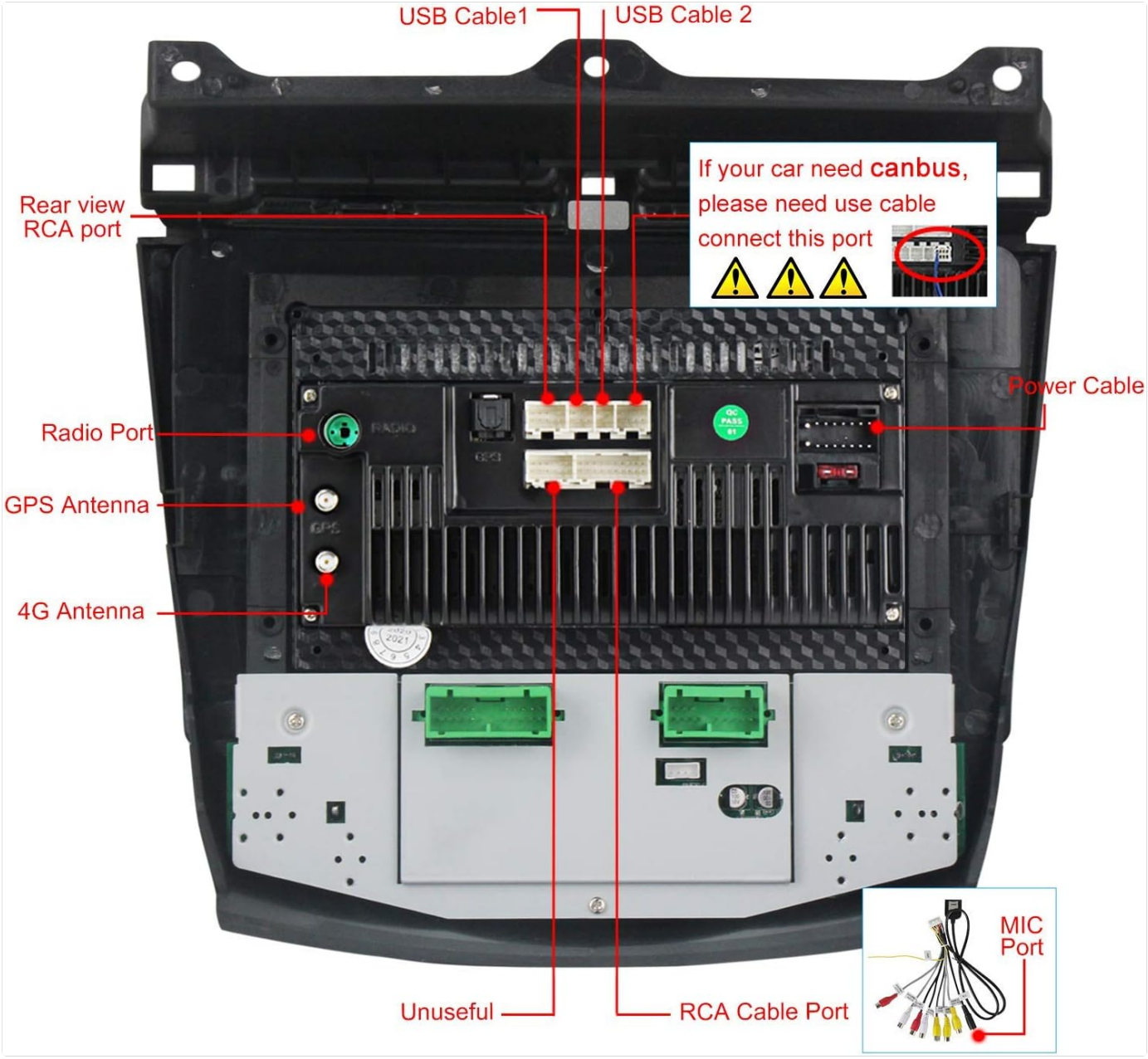


Figure 3.2: Rear Connections of the Head Unit

Initial Setup:

After installation, perform the following initial setup steps:

1. **System Update:** Connect the unit to Wi-Fi (e.g., via a mobile hotspot). Navigate to Settings > Car Settings > Extra Settings (code: 8888) > Car Model. Select "Dao jun" > "Honda" > "Accord7" and choose between single or dual climate control. Allow the unit to update the MCU. After this, click the cog wheel in the top corner and then "update system" for a further update.
2. **Language Settings:** From the main screen, go to APPS (not Settings) and open the Car Settings app. Here you can select your preferred temperature unit (Fahrenheit or Celsius) and other regional settings. The device supports multiple languages.

4. Operating Instructions

Main Menu Operation:

The intuitive touch screen interface allows easy navigation through various functions. The main menu provides quick access to applications such as navigation, music player, radio, settings, and more.

Video 4.1: Overview of Main Menu and Feature Operation

This video demonstrates the general operation of the car stereo, including navigation through the main menu, accessing various applications, and showcasing key features.

Wireless CarPlay & Android Auto:

Enjoy seamless integration with your smartphone. Wireless CarPlay (for iOS) connects via Bluetooth, while Wired Android Auto (for Android) connects via USB cable. Simply click on "Car Link" in the unit's menu and follow the on-screen prompts for connection.



Figure 4.1: Wireless CarPlay and Wired Android Auto Interface

GPS Navigation:

The unit comes with built-in GPS navigation, supporting various online map applications like Waze, Navfree, and Google Maps. Enjoy 2D/3D map views for accurate guidance.

Bluetooth Hands-Free & Music Streaming:

Connect your phone via Bluetooth for hands-free calling, phonebook synchronization, and wireless music playback. The unit supports Bluetooth 5.0 for stable connections.



Figure 4.2: Bluetooth Functionality

DSP Audio Processing:

The integrated Digital Sound Processor (DSP) allows for fine-tuning of audio settings, providing a better sound quality experience. Adjust equalizer settings to suit your preferences.

4G LTE & Wi-Fi Connectivity:

Stay connected on the go with 4G LTE support (SIM card slot available) and built-in Wi-Fi. Connect to your cellphone's hotspot to access the internet, stream content, and use online services.



Figure 4.3: Built-in Wi-Fi Functionality

FM Radio Operation:

The unit includes an FM radio with manual and automatic search functions. You can save your favorite channels for quick access.

Split-Screen Mode:

Utilize the split-screen feature to run two applications simultaneously, such as navigation and music playback, enhancing multitasking capabilities.

Steering Wheel Control:

The unit supports steering wheel controls, allowing you to manage audio and other functions without taking your hands off the wheel. Refer to the settings menu to configure these controls.

DVR Function:

Connect a USB DVR camera (not included) to use the car record function. Records are automatically saved to the GPS card.

Reversing Camera Input:

The unit automatically switches to reversing mode to display the car's rear view when the vehicle is in reverse. This feature requires a compatible reversing camera (not included).

Button Color Customization:

Personalize the appearance of your unit by customizing the button backlight colors. The unit offers 7 different color options.

5. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that could damage the surface.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, as this can affect performance and lifespan.
- **Software Updates:** Periodically check for and install software updates provided by MekedeTech to ensure the system runs efficiently and has the latest features and bug fixes.
- **Cable Connections:** Ensure all cables are securely connected and not pinched or damaged.

6. Troubleshooting

If you encounter issues with your MekedeTech car stereo, refer to the following common troubleshooting steps:

- **Screen Frozen/Unresponsive:** If the screen freezes, try restarting the unit. If the issue persists, a firmware update may be required. Contact support for the latest firmware and instructions.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the head unit and your phone. Delete previous pairings and try reconnecting. Check the Bluetooth settings on the unit (Settings > Bluetooth) and ensure the correct pairing code (usually 0000) is used.
- **AC Controls Not Working/Incorrect Temperature Display:** Verify that the RX/TX cable is correctly plugged into both the frame port and the unit-back port. Ensure the correct car model (single or dual climate) is selected in the system settings (Settings > Car Settings > Extra Settings > Car Model).
- **No Sound/Poor Sound Quality:** Check all audio cable connections. Verify DSP settings and equalizer adjustments. Ensure the volume is not muted or set too low.
- **GPS Signal Issues:** Ensure the GPS antenna is properly connected and placed in an area with clear sky view.
- **Unit Not Powering On:** Check the power cable connections and vehicle fuses. Ensure the car battery is charged.
- **CarPlay/Android Auto Not Connecting:** For Wireless CarPlay, ensure Bluetooth is connected first. For Wired Android Auto, verify the USB cable connection. Check the "Car Link" application on the head unit.

For persistent issues not resolved by these steps, please contact MekedeTech customer support.

7. Warranty and Support

Warranty Information:

The MekedeTech Android 13 Car Radio Stereo comes with a 1-Year Warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, warranty claims, or any other inquiries, please contact MekedeTech customer support. You can typically find contact information on the manufacturer's official website or through the retailer where you purchased the product.

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

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