MekedeTech 4-Core 2+32G

MekedeTech Android Car Radio Stereo GPS Navigation User Manual

Model: 4-Core 2+32G

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo GPS Navigation Head Unit. This unit is specifically designed for Honda FIT Jazz models from 2020 to 2022, offering an upgraded in-car entertainment and navigation experience with a 9-inch touch screen, wireless CarPlay, and Android Auto capabilities.

Please read this manual thoroughly before installation and use to ensure proper functionality and to avoid damage to the unit or your vehicle.



Figure 1.1: Main interface of the MekedeTech Android Car Radio Stereo, showing navigation, time, and application icons.

2. Important Safety Information

Observe the following safety precautions to prevent injury or damage:

- Do not attempt to disassemble or modify the unit. This may cause electric shock or other hazards.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Consult a professional for installation if you are unsure about any steps.

3. Package Contents

Verify that all items are present in the package before beginning installation:

- MekedeTech Android Head Unit (9-inch screen)
- Vehicle-specific Dash Kit for Honda FIT Jazz (2020-2022)
- Main Power Cable Harness
- RCA Cable Set (Audio/Video Input/Output)
- Rear View Camera Input Cable
- USB Cables (for data and charging)
- GPS Antenna
- User Manual (this document)

4. Setup and Installation

4.1. Pre-Installation Checks

- Disconnect the vehicle's battery negative terminal before starting any electrical work.
- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Gather all necessary tools (e.g., screwdrivers, trim removal tools, wire strippers).

4.2. Physical Installation Steps

1. Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions on trim removal.
2. Connect the main power cable harness from the new unit to the vehicle's wiring harness. Ensure all connections are secure.
3. Connect the GPS antenna and route it to a location with a clear view of the sky (e.g., dashboard corner).
4. Connect any additional cables such as USB, RCA, and rear view camera input as required.
5. Mount the MekedeTech head unit into the dashboard opening using the provided dash kit and mounting brackets.
6. Before fully reassembling the dashboard, temporarily reconnect the vehicle battery to test the unit's basic functions (power on, display, audio).
7. Once confirmed working, disconnect the battery again, secure all wiring, and reassemble the dashboard trim.
8. Reconnect the battery.



Figure 4.1: Visual comparison of the dashboard before and after the installation of the MekedeTech head unit.

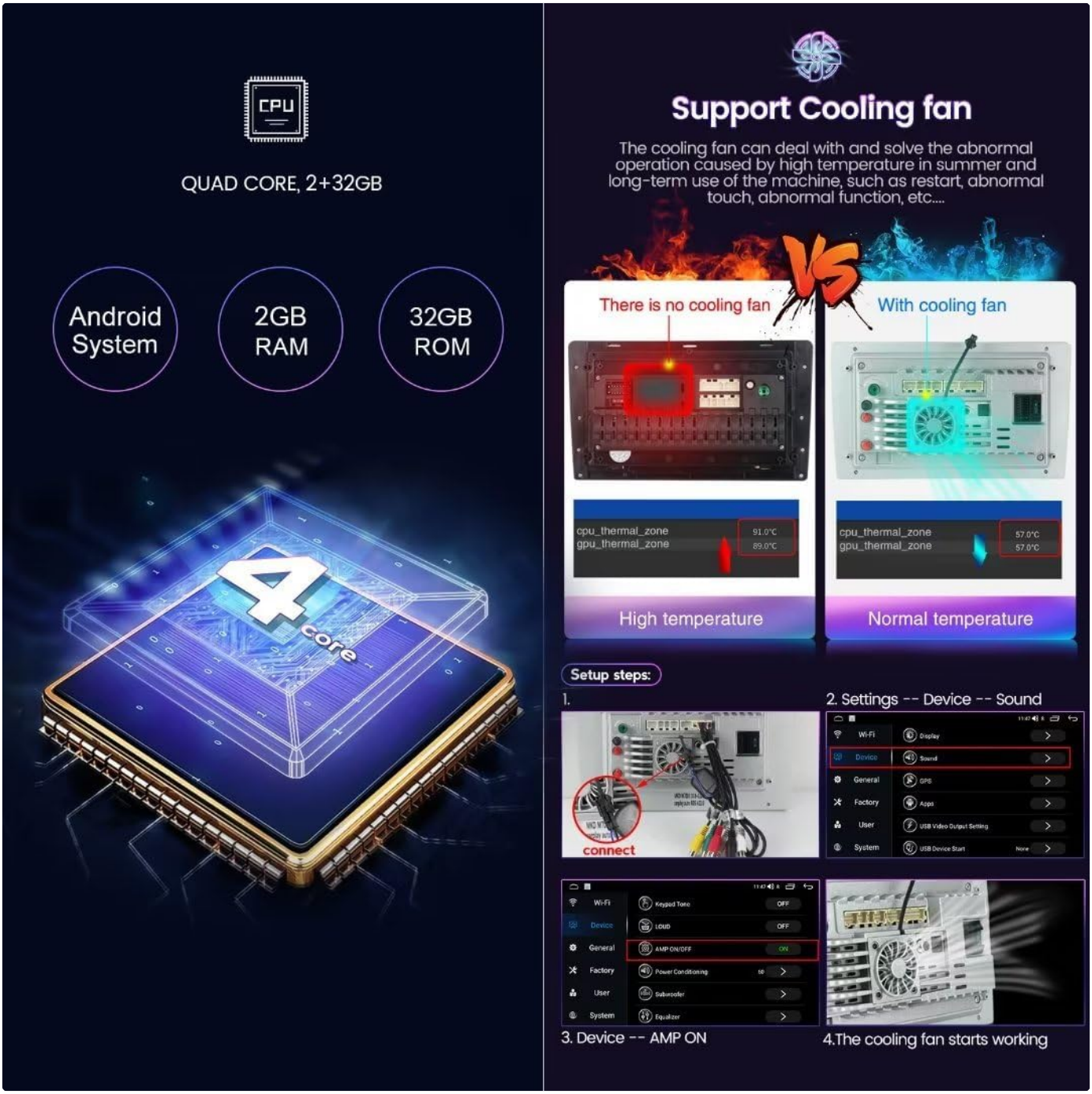


Figure 4.2: Internal components (CPU, RAM, ROM) and setup steps for the cooling fan, illustrating the thermal management system.

5. Operating Instructions

5.1. Initial Power On and System Overview

Upon first power-on, the unit will boot into the Android operating system. The main screen displays various applications and widgets. Navigate by touching the screen icons.

5.2. Wireless CarPlay and Android Auto

The unit supports both wireless CarPlay (for iOS devices) and wired Android Auto (for Android devices). This allows seamless integration of your smartphone's features, including navigation, music, and messaging, directly onto the head unit's display.

- **For Wireless CarPlay (iOS):**
    a. Enable Bluetooth on your iPhone and pair it with the head unit.
    b. On the head unit, open the "Car Link" or "ZLink" application.

c. Follow the on-screen prompts to establish the wireless CarPlay connection.

- **For Wired Android Auto (Android):**

a. Connect your Android phone to the head unit using a USB cable.
b. Ensure Android Auto is installed and updated on your phone.
c. The head unit should automatically detect and launch Android Auto.

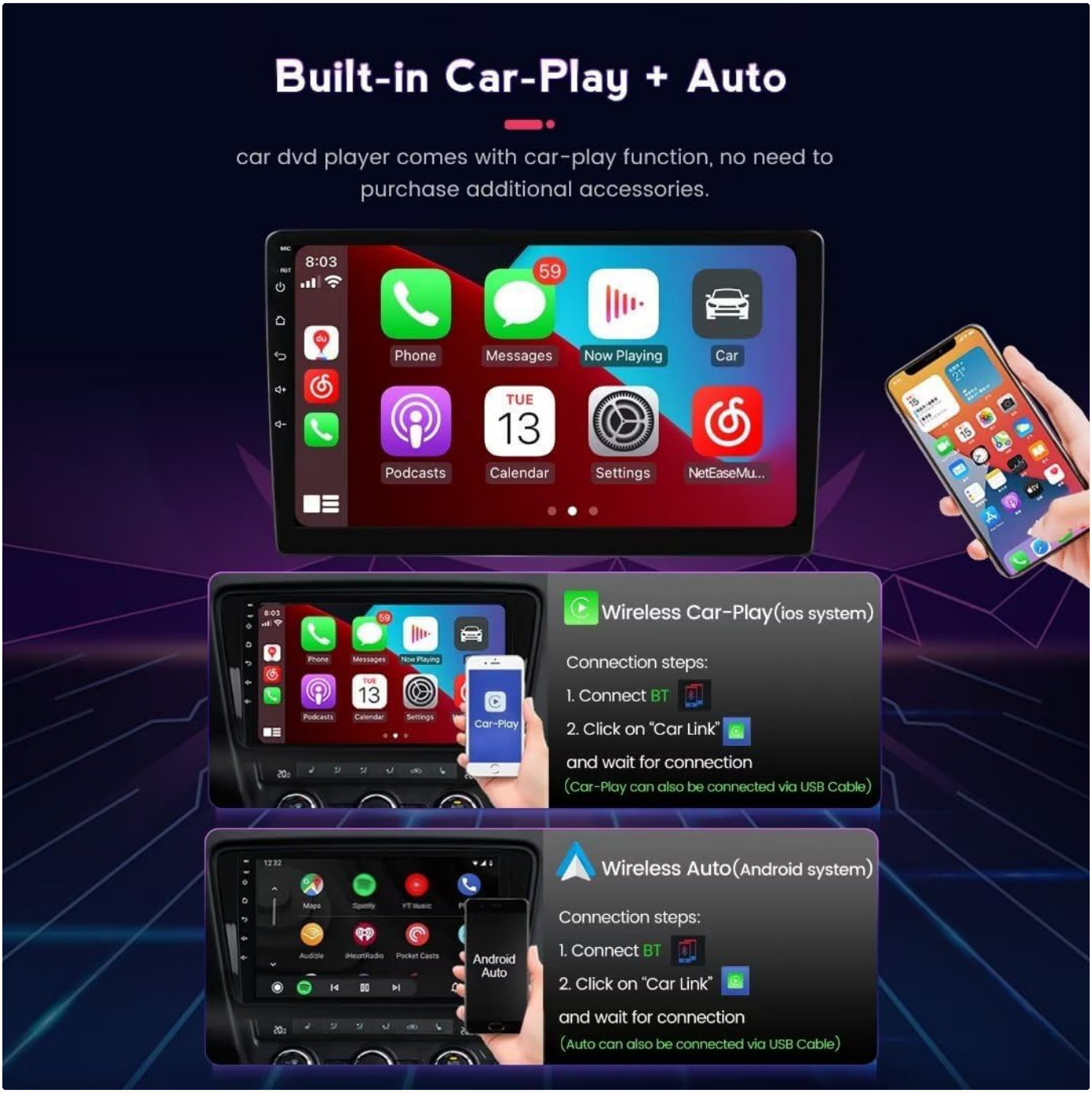


Figure 5.1: Interface showing built-in CarPlay and Android Auto functionality, with connection steps for both iOS and Android systems.

5.3. GPS Navigation

The unit features built-in GPS navigation with support for various mapping applications. Ensure the GPS antenna is properly installed for optimal signal reception.

- Access navigation through the dedicated GPS icon on the main screen or by using CarPlay/Android Auto navigation.
- The system supports real-time traffic conditions and omni-directional map display.

- Supported satellite systems include GPS, BDS, and GLONASS for enhanced accuracy.

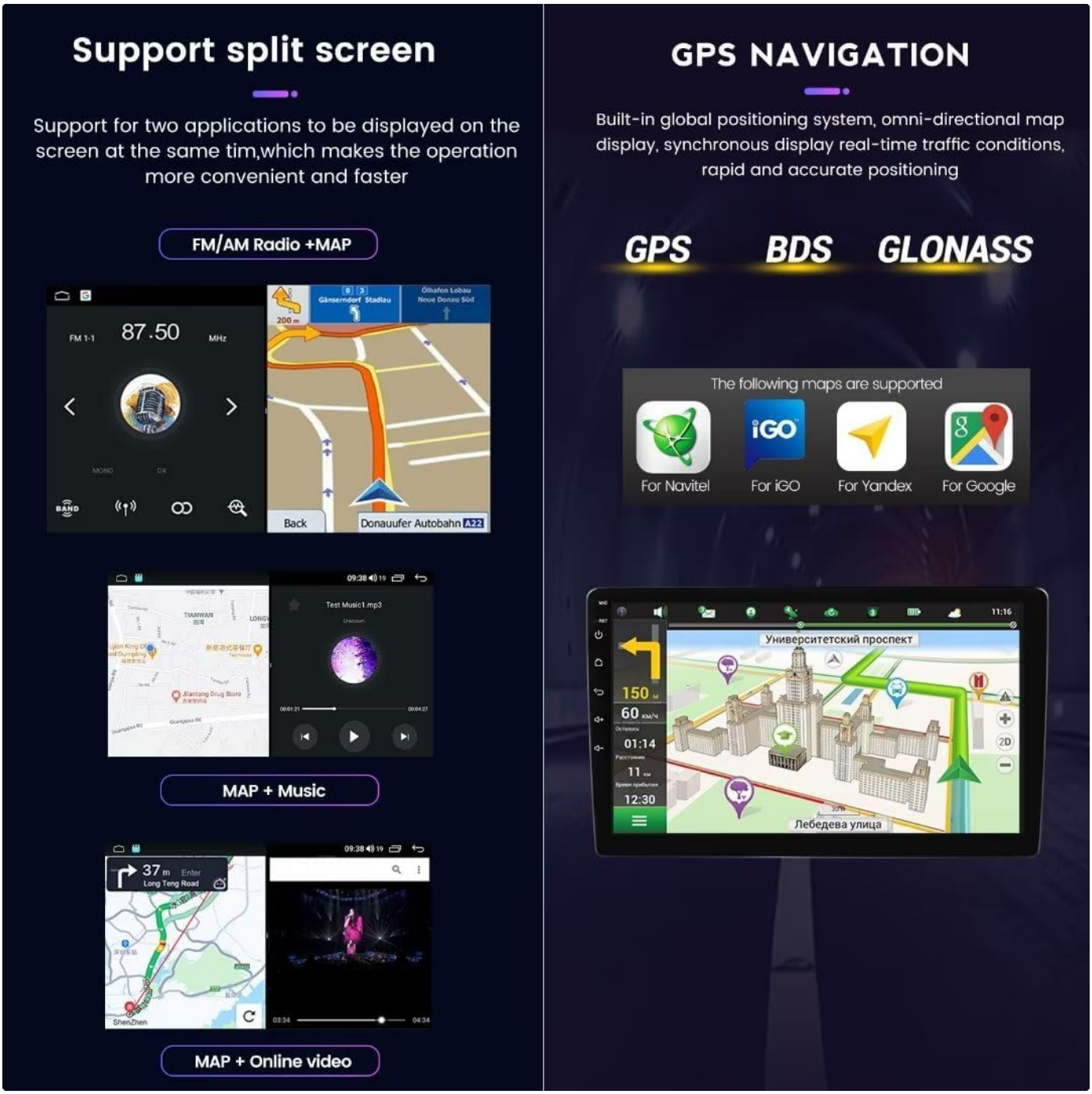


Figure 5.2: Display of split-screen functionality, allowing simultaneous use of FM/AM Radio with Map, and GPS navigation interface with supported map applications like iGO, Navitel, Yandex, and Google Maps.

5.4. Multimedia Playback

The unit supports various audio and video formats. Play media from USB drives, Bluetooth streaming, or online sources via Wi-Fi.

- **Audio Formats:** APE, FLAC, WAV, MP3, WMA, etc.
- **Video Formats:** MKV, RMVB, AVI, MP4, MDV, etc. (Supports 1080P video playback)
- **Picture Formats:** PNG, JPEG, JPG, GIF, WBMP, BNP, etc.

5.5. Bluetooth Connectivity

Built-in Bluetooth 5.0 allows for hands-free calling and wireless music streaming. Pair your phone via the Bluetooth settings menu on the head unit.

5.6. Steering Wheel Control

The unit retains original steering wheel control functionality, allowing you to easily switch songs, channels, and adjust volume without taking your hands off the steering wheel. This enhances convenience and safety.

6. Care and Maintenance

- Clean the screen with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- Keep the unit free from dust and debris.
- Ensure proper ventilation around the unit to prevent overheating, especially during prolonged use.
- Regularly check wiring connections for looseness or damage.

7. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery disconnected.	Check power cable connections. Inspect vehicle fuses. Ensure battery is connected.
No sound from speakers.	Speaker wires disconnected, volume too low, incorrect audio source.	Verify speaker wiring. Increase volume. Select correct audio input.
GPS signal is weak or inaccurate.	GPS antenna not properly placed or connected.	Ensure GPS antenna has a clear view of the sky and is securely connected.
CarPlay/Android Auto not connecting.	Bluetooth/USB connection issues, phone settings.	Check Bluetooth pairing (for CarPlay) or USB cable (for Android Auto). Ensure phone settings allow connection. Restart phone and head unit.
Touch screen unresponsive.	System freeze, temporary software glitch.	Perform a soft reset (refer to unit's specific reset procedure, usually a small reset button or holding power button).

8. Technical Specifications

Feature	Specification
System	Android 13 OS
CPU	4-Core A53 1.7GHz
Memory (RAM)	2GB
Storage (ROM)	32GB
Screen Size	9 Inches

Feature	Specification
Screen Resolution	1024x600 IPS Touch Screen
Power Output	4*50W
Connectivity	Built-in WiFi, Bluetooth 5.0, USB
Navigation	Built-in GPS, supports GPS/BDS/GLONASS
Special Features	Wireless CarPlay, Wired Android Auto, Steering Wheel Control, RCA Input/Output, Rear View Camera Input

9. Warranty and Support

9.1. Warranty Information

MekedeTech products are covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official MekedeTech website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase.

9.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact MekedeTech customer support. Contact information can typically be found on the product packaging, the official MekedeTech website, or through your point of purchase.
Note: For the most up-to-date support information, please visit theMekedeTech Store on Amazon.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question