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MekedeTech 4-Core 2+32G

MekedeTech Android Car Radio Stereo GPS Navigation System User Manual

Model: 4-Core 2+32G

Compatible with Toyota Yaris 2005-2012

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo GPS Navigation System. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

1.1 Product Overview

The MekedeTech Android Car Radio Stereo is a 9-inch touch screen head unit designed as a replacement and upgrade for Toyota Yaris models from 2005 to 2012. It features an Android operating system, built-in GPS navigation, wireless CarPlay, and Android Auto capabilities, enhancing your in-car entertainment and connectivity experience.



Figure 1.1: Front view of the MekedeTech Android Car Radio Stereo head unit, displaying its 9-inch touch screen interface with navigation and media icons.

1.2 Compatibility

- **Vehicle Model:** Toyota Yaris
- **Model Years:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012

2. Key Features

- **Operating System:** Android 13 OS
- **Processor:** 4-Core A53 1.7GHz CPU
- **Memory:** 2GB RAM, 32GB ROM
- **Display:** 9-inch IPS Touch Screen with 1024*600 resolution
- **Connectivity:** Built-in WiFi module, Bluetooth 5.0
- **Navigation:** Built-in GPS navigation with support for various map types (Worldwide)
- **Smartphone Integration:** Wireless CarPlay and Wired Android Auto
- **Audio Output:** 4*50W Power Output
- **Multimedia Support:** 1080P video playback, various audio and video formats (APE/FLAC/WAV/MP3/WMA, MKV/RMVB/AVI/MP4/MDV etc.)
- **Control:** Steering Wheel Control support for easy song, channel, and volume adjustments
- **Additional Features:** FM radio, double Rear USB port input, rear view camera input, split screen functionality

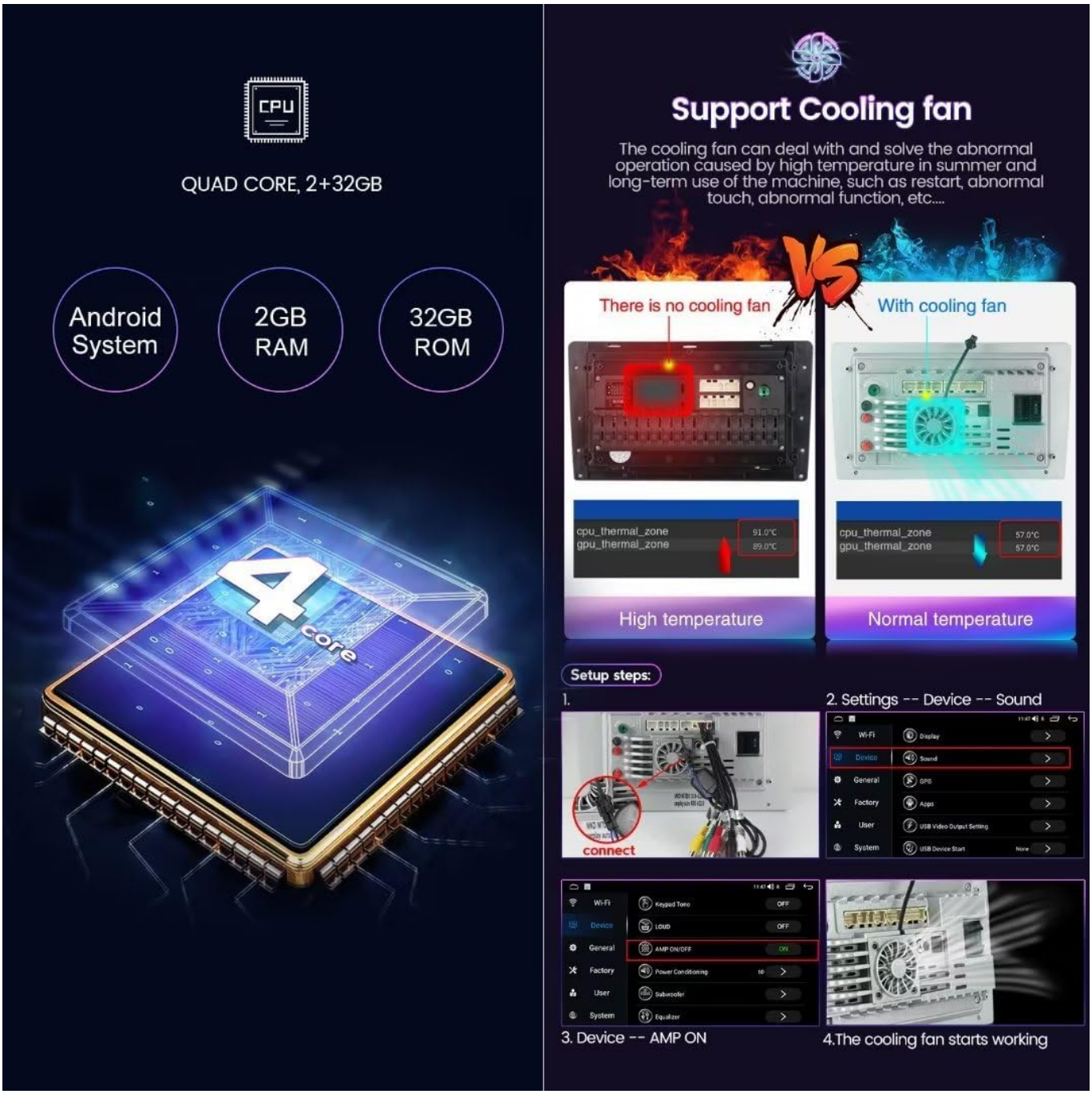


Figure 2.1: Diagram illustrating the internal components including the 4-core CPU, 2GB RAM, 32GB ROM, Android system, and the optional cooling fan system designed to manage thermal performance.

3. Installation Guide

The MekedeTech head unit is designed for a plug-and-play installation in compatible Toyota Yaris models. It includes necessary accessories for a direct replacement.

3.1 Before Installation

- Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical shorts.
- Gather all included accessories: dash kit, power cable, RCA cable, reversing camera cable, and USB cables.
- Refer to your vehicle's specific service manual for instructions on removing the factory radio.

3.2 Installation Steps (General)

1. Carefully remove the existing factory radio and dashboard trim.

2. Connect the provided wiring harness to the vehicle's wiring. Ensure all connections are secure.
3. Connect the GPS antenna, WiFi antenna, and any other external antennas (if applicable).
4. If installing a rear view camera, route the camera cable and connect it to the designated input on the head unit.
5. Mount the new MekedeTech head unit into the dashboard opening using the provided dash kit.
6. Reconnect the vehicle's battery.
7. Turn on the ignition and test the unit's functionality.
8. Reinstall the dashboard trim.



Figure 3.1: A visual comparison showing the vehicle's dashboard before and after the installation of the MekedeTech Android Car Radio Stereo, highlighting the integrated appearance.

4. Operating Instructions

4.1 Wireless CarPlay / Android Auto

This unit supports both wireless CarPlay (for iOS devices) and wireless Android Auto (for Android devices), allowing

seamless integration of your smartphone's features.

1. Ensure Bluetooth is enabled on your smartphone.
2. On the head unit, navigate to the "Car Link" application.
3. Pair your smartphone with the head unit via Bluetooth.
4. Once paired, the system will automatically connect to CarPlay or Android Auto.
5. For wired connection, connect your smartphone via a USB cable to the designated USB port.

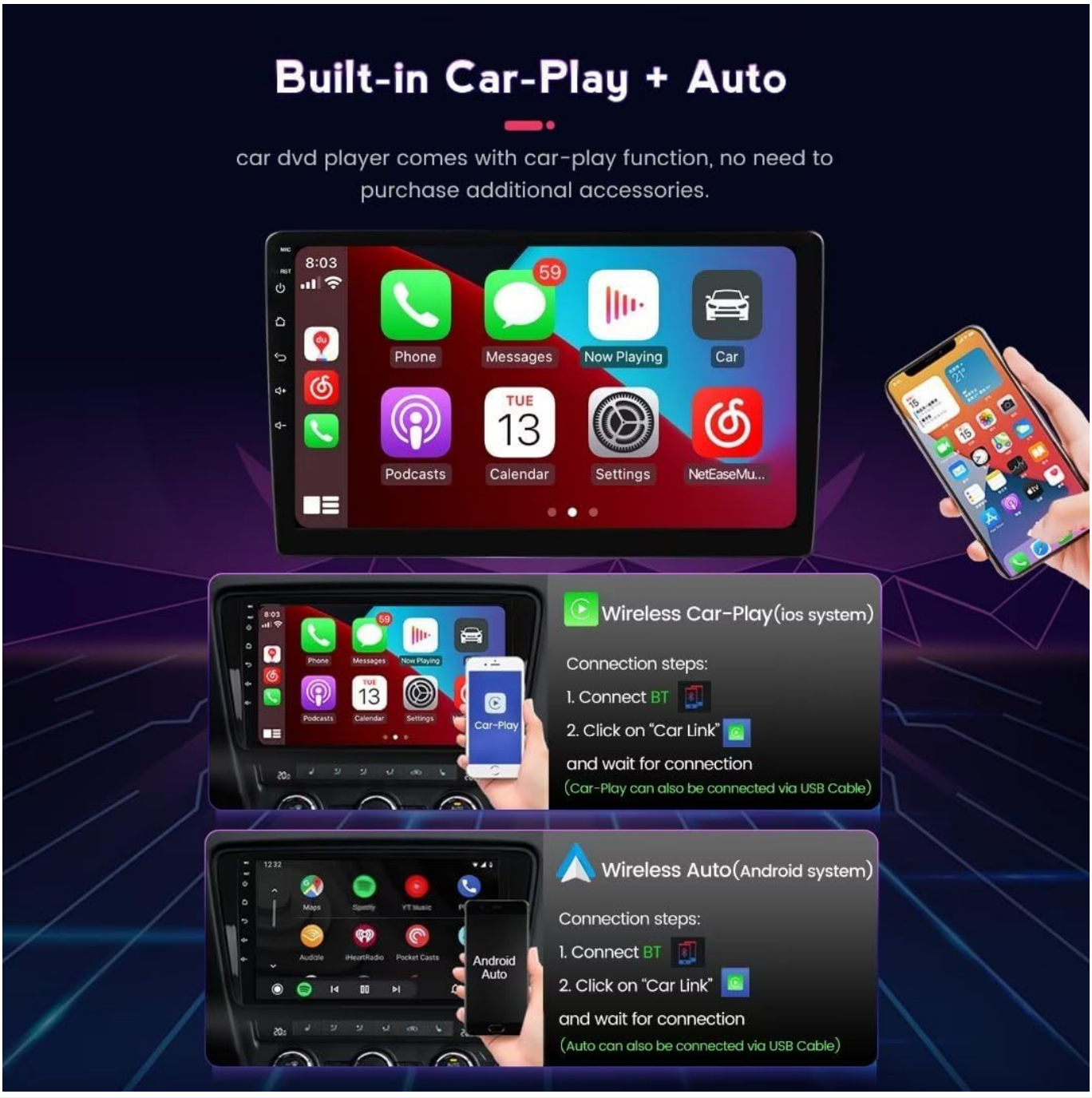


Figure 4.1: Visual guide demonstrating the connection steps for Wireless CarPlay (iOS) and Wireless Android Auto (Android) via Bluetooth and the "Car Link" application.

4.2 GPS Navigation

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

- Access the navigation application from the main menu.

- Input your destination using the on-screen keyboard.
- Follow the voice prompts and on-screen directions for turn-by-turn navigation.
- The system supports real-time traffic conditions when connected to the internet via WiFi.

4.3 Split Screen Functionality

The split screen feature allows you to run two applications simultaneously on the display, such as navigation and music playback.

- Open the first application you wish to use.
- Press and hold the recent apps button (or follow specific Android gestures) to activate split screen mode.
- Select the second application from the list of open apps.
- Adjust the size of each application window by dragging the divider.

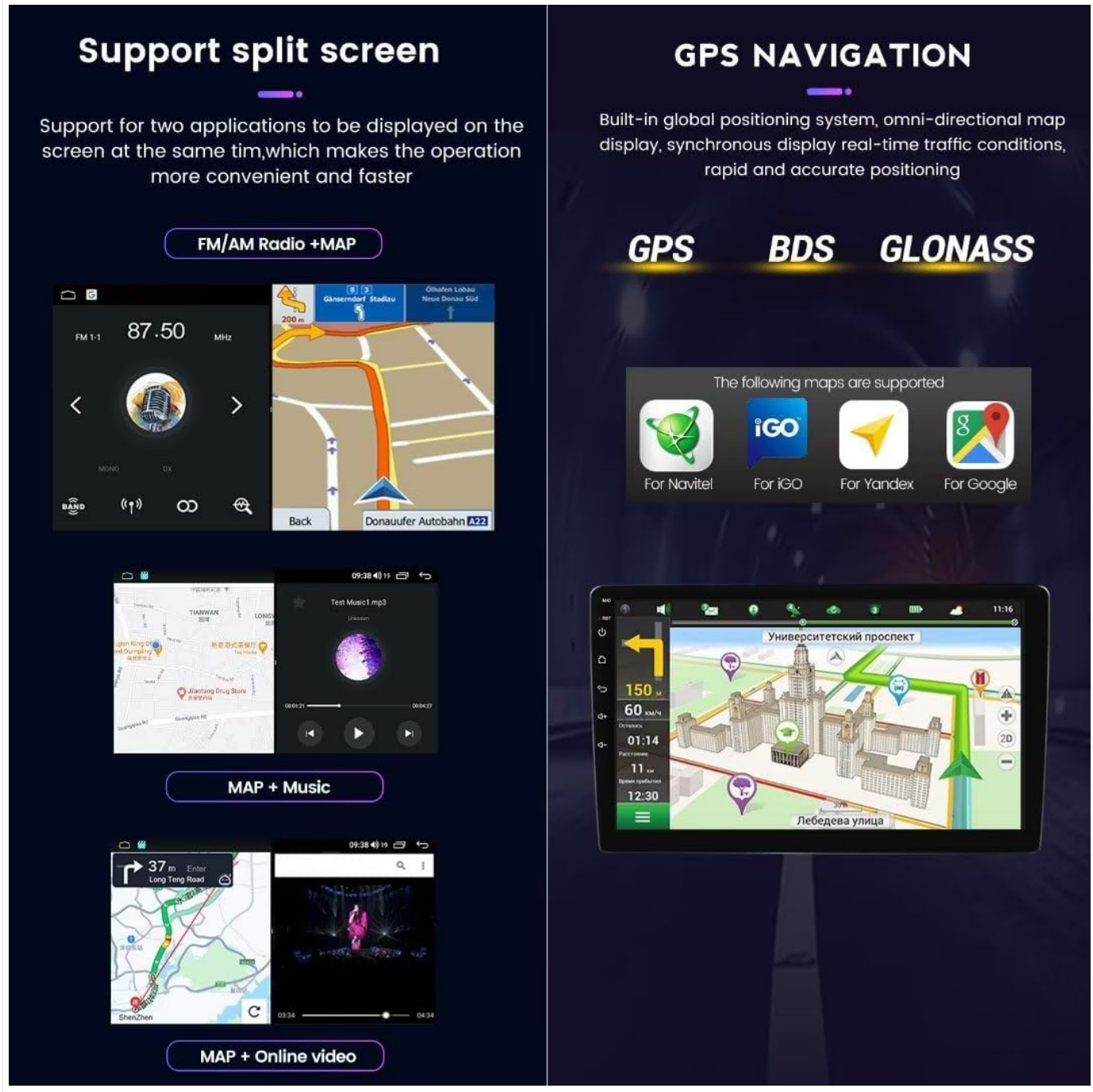


Figure 4.2: Examples of the split screen feature, showing navigation combined with FM radio and navigation combined with online video, alongside a detailed view of the GPS navigation interface.

4.4 Bluetooth Functions

- **Hands-Free Calling:** Pair your phone via Bluetooth to make and receive calls directly from the head unit.
- **Bluetooth Music:** Stream audio from your paired smartphone to the car stereo.

4.5 Steering Wheel Control

The unit supports the original steering wheel control functions of your Toyota Yaris, allowing you to manage audio playback and calls without taking your hands off the wheel.

- Ensure the steering wheel control wires are correctly connected during installation.
- Access the "Steering Wheel Control" settings in the unit's menu to configure or calibrate buttons if necessary.

5. Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates through the unit's settings or the manufacturer's website to ensure optimal performance and access to new features.
- **General Care:** Keep the unit free from excessive dust and moisture. Avoid exposing it to extreme temperatures.

6. Troubleshooting

- **Unit Does Not Power On:**
  - Check all power connections and fuses.
  - Ensure the vehicle's battery is properly connected and charged.
- **No Sound:**
  - Verify speaker connections.
  - Check volume levels on the unit and ensure it's not muted.
  - Confirm audio output settings are correct.
- **GPS Signal Lost/Inaccurate:**
  - Ensure the GPS antenna is installed in an unobstructed location.
  - Check antenna connection to the head unit.
- **CarPlay/Android Auto Not Connecting:**
  - Ensure Bluetooth is enabled on your phone and the unit.
  - Try restarting both your phone and the head unit.
  - Verify the "Car Link" app is open on the head unit.
  - For wired connection, try a different USB cable.
- **Touch Screen Unresponsive:**
  - Perform a soft reset of the unit (refer to specific instructions if available, or disconnect/reconnect power).
  - Ensure the screen is clean and free of debris.

7. Specifications

Feature	Specification
Model	4-Core 2+32G
Operating System	Android 13 OS
CPU	4-Core A53 1.7GHz
RAM	2GB
ROM	32GB
Screen Size	9 Inches
Display Resolution	1024x600
Display Type	IPS LCD
Touch Screen Type	Capacitive
Power Output	4*50W
Bluetooth Version	5.0
Connectivity Technology	Wireless (WiFi, Bluetooth)
Map Type	Worldwide (GPS, BDS, GLONASS support)
Special Features	Bluetooth, Touchscreen, Wireless Android Auto, Wireless CarPlay, FM Radio, Rear USB, Rear View Camera Input, Steering Wheel Control, Split Screen

8. Warranty and Support

8.1 Product Warranty

This MekedeTech product comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact MekedeTech customer support through the retailer where the product was purchased or visit the official MekedeTech website for contact information.

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.

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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.

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