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> MekedeTech Android Car Radio Stereo User Manual for Mazda 3 (2010-2012) with Wireless CarPlay/Android Auto (4-Core 1GB RAM 32GB ROM)

MekedeTech 4-Core 1GB RAM 32GB ROM

MekedeTech Android Car Radio Stereo User Manual for Mazda 3 (2010-2012)

Model: 4-Core 1GB RAM 32GB ROM

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo. This unit is specifically designed for Mazda 3 models manufactured between 2010 and 2012, offering an upgrade to your vehicle's infotainment system with modern features.

The system operates on Android 12 OS, featuring a 4-Core A53 1.7GHz CPU, 1GB RAM, and 32GB ROM. It includes a 9-inch IPS touch screen with a resolution of 1024x600, supporting wireless CarPlay and Android Auto for seamless smartphone integration.



Image 1.1: Front view of the MekedeTech Android Car Radio Stereo unit.

2. PRODUCT FEATURES

- **Compatibility:** Plug & Play fit for Mazda 3 (2010, 2011, 2012).
- **Operating System:** Android 12 OS.
- **Processor & Memory:** 4-Core A53 1.7GHz CPU, 1GB RAM, 32GB ROM.
- **Display:** 9-inch IPS touch screen with 1024x600 resolution, supporting 1080P video playback.
- **Smartphone Integration:** Built-in Wireless CarPlay and Wired Android Auto.
- **Navigation:** Built-in GPS module with support for various map applications (e.g., iGO, Yandex, Google).
- **Connectivity:** Built-in Bluetooth 5.0 for hands-free calls and music streaming, Built-in WiFi module for internet access via hotspot.
- **Audio Output:** 4*50W power output.
- **Inputs/Outputs:** RCA input/output, double Rear USB port input, rear view camera input.
- **Steering Wheel Control:** Supports original steering wheel control functions for convenience and safety.
- **Multimedia Support:** Audio formats (APE/FLAC/WAV/MP3/WMA), Video formats (MKV/RMVB/AVI/MP4/MDV), Picture formats (PNG/JPEG/JPG/GIF/WBMP/BNP).

3. SETUP AND INSTALLATION

The MekedeTech Android Car Radio Stereo is designed for a Plug & Play installation in compatible Mazda 3 vehicles. It includes all necessary accessories such as a dash kit, power cable, RCA cable, reversing camera cable, and USB cables.

3.1 Pre-Installation Check

Before beginning installation, ensure your vehicle is turned off and the battery is disconnected. Verify all included components against the packing list.

3.2 Installation Steps

1. Carefully remove the original car radio unit and dashboard trim.
2. Connect the provided wiring harness to the vehicle's existing connectors. Ensure all connections are secure.
3. Connect the GPS antenna, WiFi antenna, and any other external accessories (e.g., rear camera) as required.
4. Mount the new MekedeTech head unit into the dashboard opening.
5. Reinstall the dashboard trim and secure the unit.
6. Reconnect the vehicle battery and test the unit's functionality.



Image 3.1: Visual comparison of the car dashboard before and after the MekedeTech unit installation.

3.3 Cooling Fan Setup

The unit includes a cooling fan designed to manage internal temperatures, especially during prolonged use or in hot climates. Proper setup ensures optimal performance and longevity.

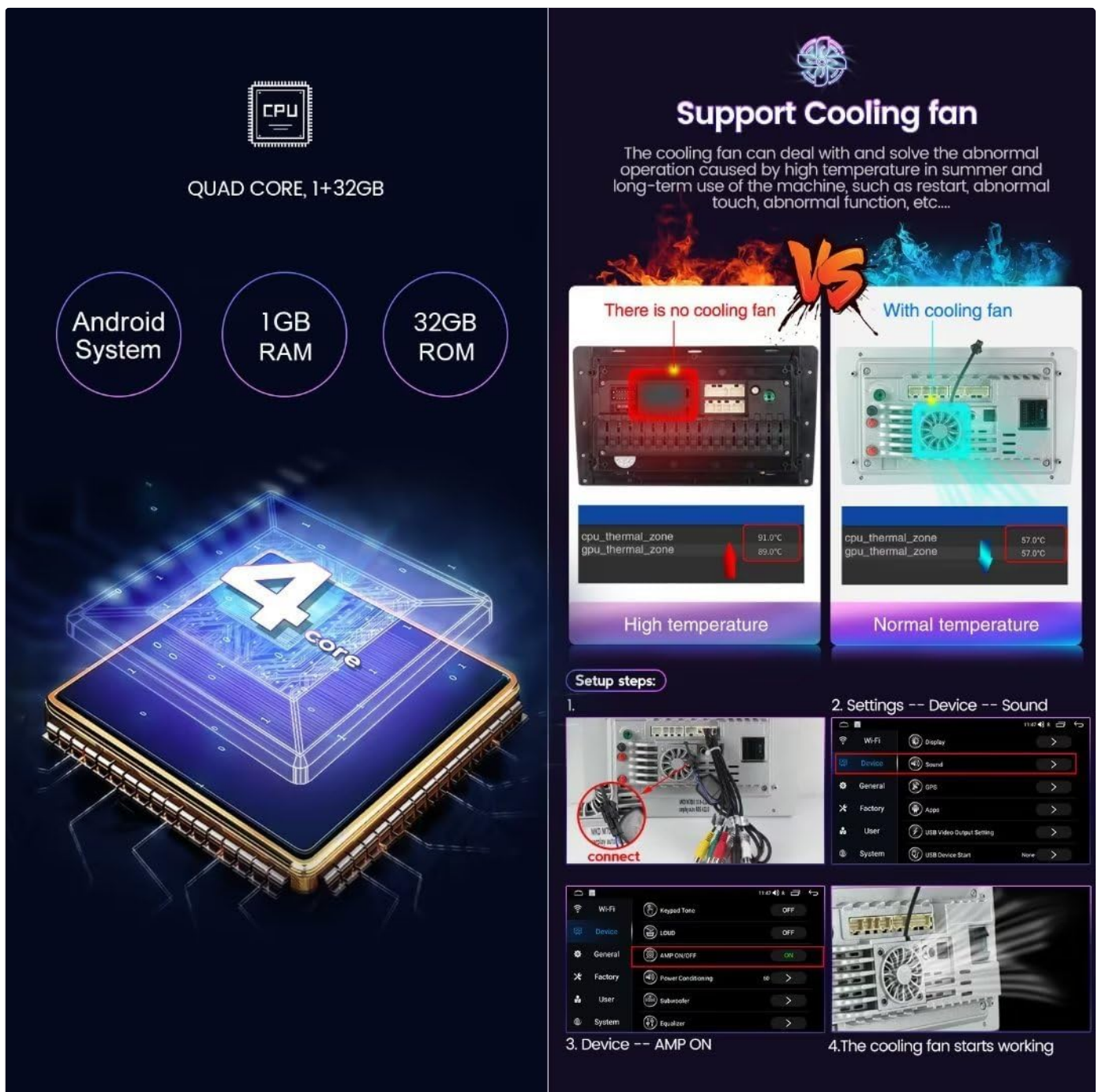


Image 3.2: Illustration of cooling fan connection and its effect on CPU temperature.

Setup Steps for Cooling Fan:

1. Connect the cooling fan cable to the designated port on the main unit.
2. Access the system settings: Go to **Settings > Device > Sound**.
3. Navigate to **Device > AMP ON**.
4. The cooling fan will activate, helping to maintain normal operating temperatures.

For complex installations or if you are unsure, professional installation is recommended.

4. OPERATING INSTRUCTIONS

4.1 Basic Touch Screen Operation

The 9-inch IPS touch screen allows for intuitive control of the unit. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom gestures where applicable.

4.2 Steering Wheel Control

The unit supports your vehicle's original steering wheel controls. This allows you to adjust volume, change tracks, and switch channels without removing your hands from the steering wheel, enhancing driving safety.

4.3 Split Screen Functionality

The system supports displaying two applications simultaneously on the screen. This feature allows for multitasking, such as running navigation alongside a music player, for improved convenience.

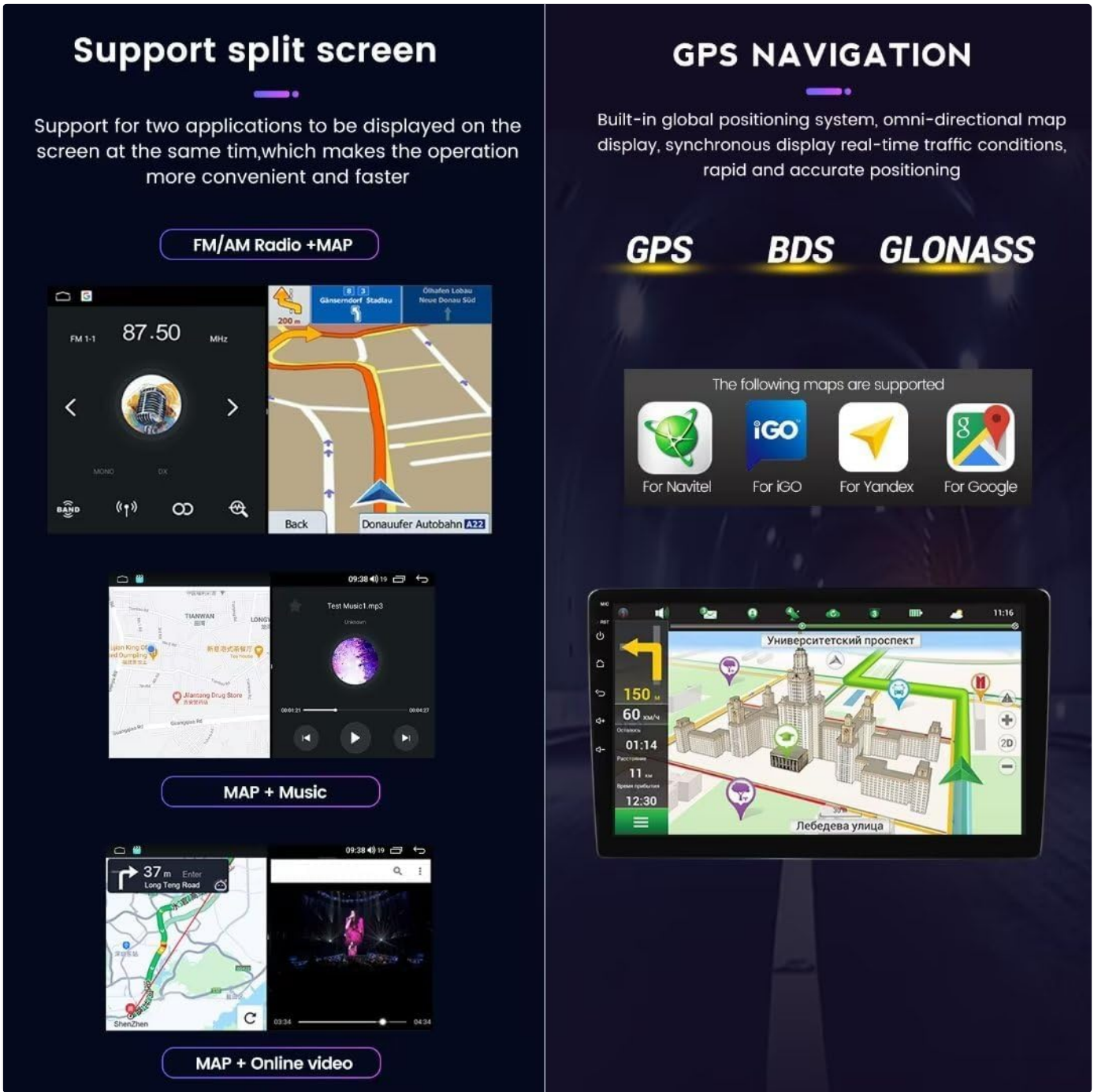


Image 4.1: Examples of split screen mode, displaying navigation with music or video.

5. CONNECTIVITY

5.1 Wireless CarPlay and Wired Android Auto

The unit features built-in Wireless CarPlay for iOS devices and Wired Android Auto for Android devices, providing a seamless interface for accessing your smartphone's features, including navigation, music, messages, and calls.

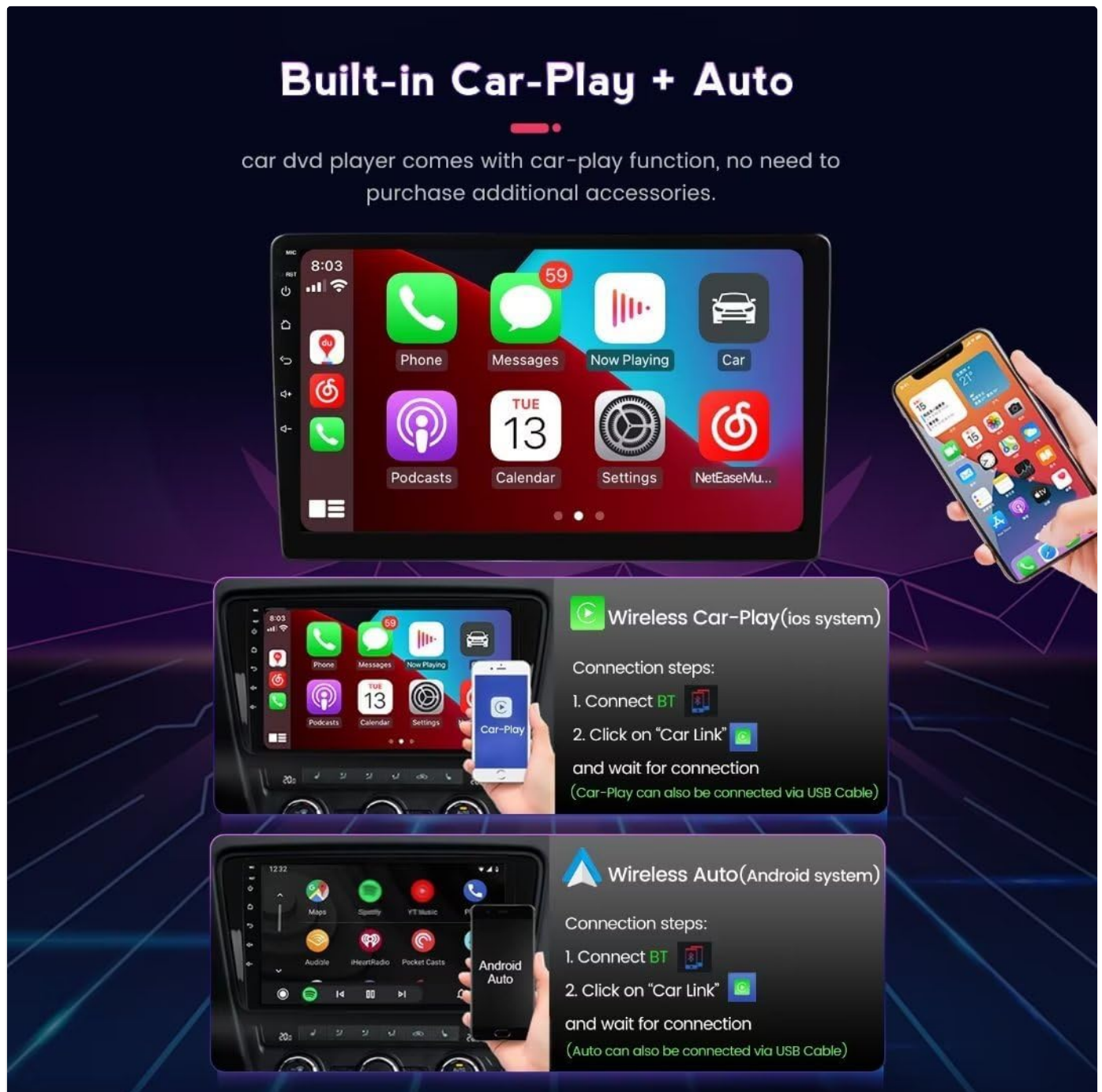


Image 5.1: Connection steps for Wireless CarPlay (iOS) and Wireless Android Auto (Android).

Connection Steps for Wireless CarPlay (iOS system):

1. Connect your iPhone to the unit via Bluetooth.
2. Open the "Car Link" application on the head unit.
3. Wait for the connection to establish. CarPlay can also be connected via a USB cable.

Connection Steps for Wireless Android Auto (Android system):

1. Connect your Android phone to the unit via Bluetooth.
2. Open the "Car Link" application on the head unit.
3. Wait for the connection to establish. Android Auto can also be connected via a USB cable.

5.2 Bluetooth 5.0

The integrated Bluetooth 5.0 module enables hands-free calling and wireless audio streaming from your smartphone. Pair your device through the Bluetooth settings menu on the head unit.

5.3 WiFi Connectivity

Utilize the built-in WiFi module to connect to the internet via a mobile hotspot or available WiFi networks. This allows for online navigation updates, app downloads, and internet browsing.

6. NAVIGATION

The unit features a built-in global positioning system (GPS) for accurate navigation. It supports various map applications, including iGO, Yandex, and Google Maps, providing real-time traffic conditions and precise route guidance.

Support split screen

Support for two applications to be displayed on the screen at the same time, which makes the operation more convenient and faster

FM/AM Radio +MAP

87.50 MHz

MONO

FM/AM

EQ

PRESET

SEARCH

200 m

Back

Donauufer Autobahn A23

MAP + Music

Test Music1.mp3

09:38 100%

00:01:21

00:04:27

MAP + Online video

09:38 100%

03:34

04:34

GPS NAVIGATION

Built-in global positioning system, omni-directional map display, synchronous display real-time traffic conditions, rapid and accurate positioning

GPS

BDS

GLONASS

The following maps are supported

For Navitel

For iGO

For Yandex

For Google

Image 6.1: Example of the GPS navigation interface.

7. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for and install system software updates to ensure compatibility and access to new features.
- **Temperature:** Avoid exposing the unit to extreme temperatures for extended periods. The built-in cooling fan helps regulate internal temperature.

8. TROUBLESHOOTING

If you encounter issues with your MekedeTech Android Car Radio Stereo, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections and ensure the vehicle battery is properly connected. Verify fuses.
- **No Sound:** Check speaker connections, volume settings, and audio source selection.
- **Touch Screen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset may be necessary (note: this will erase user data).
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **CarPlay/Android Auto Connection Issues:** Verify Bluetooth and USB connections. Ensure the "Car Link" app is open and your phone's operating system is up to date.
- **System Slow/Freezing:** Close unnecessary applications. Clear cache or perform a system restart.

For persistent issues, contact MekedeTech customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	MekedeTech
Model	4-Core 1GB RAM 32GB ROM
Operating System	Android 12 OS
CPU	4-Core A53 1.7GHz
Memory	1GB RAM, 32GB ROM
Display Size	9 Inches
Display Resolution	1024x600
Power Output	4*50W
Connectivity Technology	Wireless (Bluetooth, WiFi)
Special Features	Android Auto, Built-In Bluetooth, Touchscreen, Wireless CarPlay

Compatible Devices	Smartphone, Speaker
Connector Type	RCA, USB
Audio Output Mode	Stereo
Voice Command	Buttons, Keyboard, Mouse, Touchscreen

10. WARRANTY AND SUPPORT

10.1 Warranty Information

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

10.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact MekedeTech customer support through the retailer where the product was purchased or visit the official MekedeTech website for contact information.

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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

Anonymous

Email

you@example.com

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