MekedeTech 4 Core-2+32G

MekedeTech Android Car Radio Stereo GPS Navigation User Manual

Model: 4 Core-2+32G

Introduction | Product Overview | Key Features | Installation | Operation | Specifications | Troubleshooting | Support

1. Introduction

This manual provides detailed 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.

2. Product Overview

The MekedeTech Android Car Radio Stereo is designed as a head unit replacement for Subaru Outback and Legacy models from 2015 to 2018. It features a 9-inch touch screen, integrated GPS navigation, and supports wireless CarPlay and Android Auto. This unit operates on Android 12 OS and is equipped with a 4-Core A53 1.7GHz CPU, 2GB RAM, and 32GB ROM.



Figure 2.1: Front view of the MekedeTech Android Car Radio Stereo displaying the CarPlay interface.

3. Key Features

- **Compatibility:** Specifically designed for Subaru Outback Legacy 2015-2018 models.
- **Operating System:** Android 12 OS.
- **Processor & Memory:** 4-Core A53 1.7GHz CPU with 2GB RAM and 32GB ROM.
- **Display:** 9-inch IPS touch screen with 1024x600 high resolution, supporting 1080P video playback.
- **Wireless Connectivity:** Built-in Wireless CarPlay and Wired Android Auto for seamless smartphone integration.
- **Navigation:** Integrated GPS navigation system with pre-installed maps.
- **Audio & Video:** Power Output: 4*50W. Supports various audio formats (APE/FLAC/WAV/MP3/WMA) and video formats (MKV/RMVB/AVI/MP4/MDV).
- **Bluetooth 5.0:** Supports hands-free calls and Bluetooth music streaming.
- **Steering Wheel Control:** Retains original steering wheel control functions for easy song, channel, and volume adjustments.
- **Inputs/Outputs:** RCA input/output, dual rear USB port input, rear view camera input.
- **Wi-Fi:** Built-in WiFi module for internet access via hotspot.

4. Installation Guide

4.1. Package Contents

Verify that all components are present in the package:

- Dash kit
- Power cable
- RCA cable
- Reversing camera cable
- USB cables
- Power cable with CANBUS (for cars with Harmon Sound System)

4.2. Installation Steps

The unit is designed for plug-and-play installation. Follow these general steps:

1. Carefully remove the original head unit from your vehicle. Refer to your vehicle's service manual for specific instructions.
2. Connect the provided dash kit to the new head unit.
3. Connect the power cable, RCA cable, reversing camera cable, and USB cables to their respective ports on the new unit and the vehicle's wiring harness.
4. **Important Note for Harmon Sound System:** If your vehicle is equipped with a Harmon Sound System, you must use the provided power cable with CANBUS to ensure proper audio functionality.
5. Securely mount the new head unit into the dashboard.
6. Test all functions before fully reassembling the dashboard.



Figure 4.1: The MekedeTech Android Car Radio Stereo installed in a Subaru Outback/Legacy dashboard, showing the radio interface.

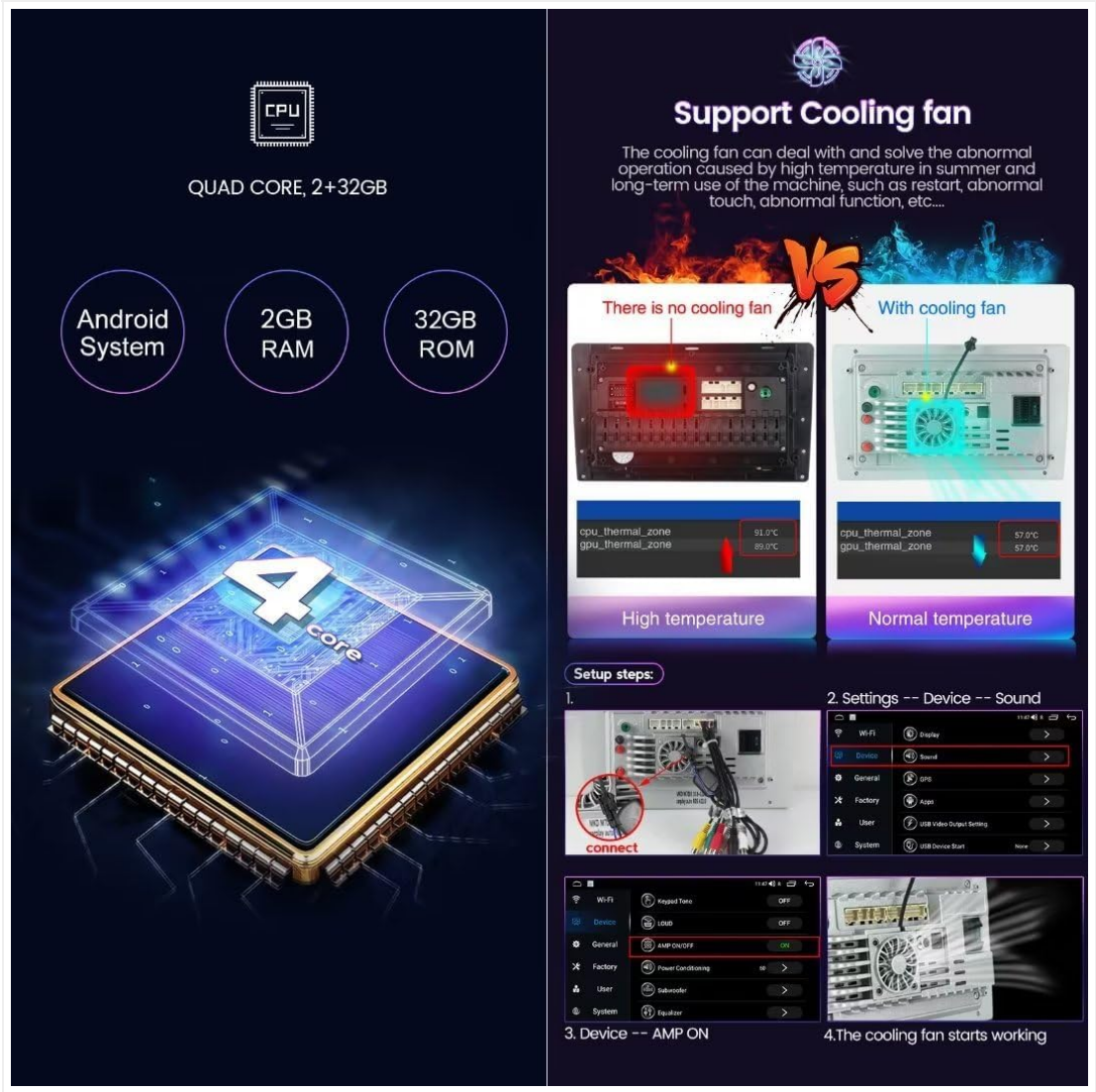


Figure 4.2: Internal components and setup steps, including cooling fan integration for optimal performance.

5. Operating Instructions

5.1. Basic Operation

- **Power On/Off:** The unit powers on automatically with the vehicle's ignition. To manually power off, press and hold the power button (if available) or turn off the vehicle.
- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the 9-inch IPS touch screen.
- **Volume Control:** Adjust volume using the on-screen controls or the vehicle's steering wheel controls.

5.2. Wireless CarPlay / Android Auto

The unit supports wireless CarPlay for iOS devices and wired Android Auto for Android devices. Follow these steps to connect:

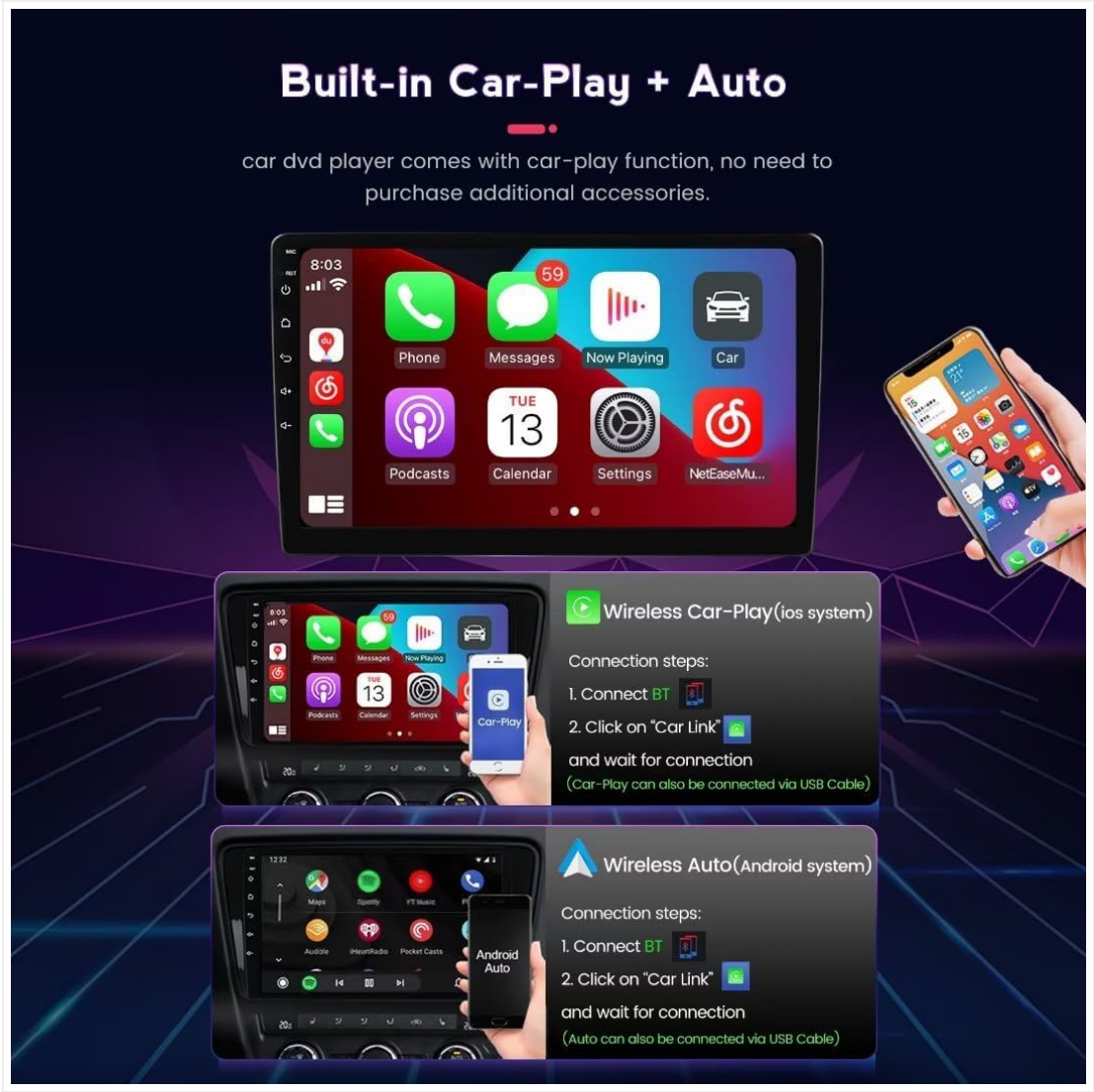


Figure 5.1: Connection steps for Wireless CarPlay (iOS system) and Wired Android Auto (Android system).

Wireless CarPlay (iOS System)

1. Connect your iPhone to the unit via Bluetooth.
2. On the unit, click on "Car Link" or the CarPlay icon.
3. Wait for the connection to establish. CarPlay can also be connected via USB Cable if preferred.

Wired Android Auto (Android System)

1. Connect your Android phone to the unit via USB cable.
2. On the unit, click on "Car Link" or the Android Auto icon.
3. Wait for the connection to establish.

5.3. GPS Navigation

The unit comes with built-in GPS navigation and pre-installed maps. To use:

- Tap the "Navigation" or "Maps" icon on the home screen.
- Enter your destination using the on-screen keyboard.
- Follow the voice-guided directions and on-screen map.

5.4. Bluetooth Functions

To pair your phone via Bluetooth:

1. Go to the "Bluetooth" settings on the unit.
2. Enable Bluetooth on your mobile device and search for available devices.
3. Select "MekedeTech" (or similar name) from the list on your phone and confirm pairing.
4. Once paired, you can make hands-free calls and stream audio.

5.5. Wi-Fi Connectivity

To connect to a Wi-Fi hotspot:

1. Navigate to "Settings" and then "Wi-Fi".
2. Turn on Wi-Fi and select your desired network from the list.
3. Enter the password if prompted.
4. Once connected, you can access online features and applications.

5.6. Media Playback

The unit supports various audio and video formats via USB input or internal storage.

- **Audio Formats:** APE, FLAC, WAV, MP3, WMA, etc.
- **Video Formats:** MKV, RMVB, AVI, MP4, MDV, etc.
- **Picture Formats:** PNG, JPEG, JPG, GIF, WBMP, BNP, etc.

Insert a USB drive into one of the rear USB ports to access media files. Use the appropriate media player application on the unit.

6. Technical Specifications

Model Number	4 Core-2+32G
Operating System	Android 12 OS
CPU	4-Core A53 1.7GHz
Memory	2GB RAM, 32GB ROM
Display Size	9 Inches
Display Resolution	1024x600
Power Output	4*50W
Connectivity	Bluetooth 5.0, USB, Wi-Fi, Wireless CarPlay, Wired Android Auto
Map Type	Worldwide (Built-in GPS)
Mounting Type	Dashboard Mount
Audio Output Mode	Stereo
Vehicle Service Type	Car (Subaru Outback Legacy 2015-2018)

7. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates through the unit's settings to ensure you have the latest features and bug fixes.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.

8. Troubleshooting

This section provides solutions to common issues. If you encounter a problem not listed here, please contact customer support.

Problem	Possible Cause	Solution
No Power	Loose power connection; Blown fuse.	Check all power cable connections. Inspect and replace vehicle's fuse if necessary.
No Sound	Volume too low; Incorrect wiring; Harmon Sound System without CANBUS.	Increase volume. Verify all audio connections. Ensure CANBUS power cable is used for Harmon Sound Systems.
CarPlay/Android Auto Not Connecting	Bluetooth/USB connection issue; Software glitch.	Ensure Bluetooth is enabled on phone and unit. For Android Auto, verify USB cable connection. Restart both phone and unit.
GPS Signal Lost	Poor satellite reception; Antenna issue.	Move to an open area. Check GPS antenna connection.

9. Warranty and Customer Support

MekedeTech products are manufactured with high quality standards. For any technical assistance, warranty claims, or product inquiries, please contact the manufacturer or your point of purchase.
Manufacturer: Shenzhen Mekede Technology Co.,Ltd
For further support, you may visit the official MekedeTech store or contact their customer service channels.

© 2024 MekedeTech. All rights reserved.