

MekedeTech 8-Core 8+128G

MekedeTech 9-inch Android Radio for Dodge Ram 2013-2018 User Manual

Model: 8-Core 8+128G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech 9-inch Android Car Radio. This unit is designed for Dodge Ram 1500, 2500, and 3500 models from 2013 to 2018 with Automatic AC systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT FEATURES

- **Compatibility:** Designed for Dodge Ram 1500/2500/3500 (2013-2018) with Automatic AC.
- **Operating System:** Android 13 OS.
- **Processor:** 8-Core A53 1.8GHz CPU.
- **Memory:** 8GB RAM, 128GB ROM.
- **Display:** 9-inch IPS Touch Screen with 1280*720 resolution.
- **Connectivity:** Built-in 4G LTE, WiFi module, Bluetooth 5.0.
- **Smartphone Integration:** Built-in Wireless CarPlay and Wired Android Auto.
- **Audio:** Built-in DSP sound system, 4*50W Power Output.
- **Navigation:** Built-in GPS navigation and Maps (Worldwide).
- **Control:** Supports original steering wheel controls.
- **Cooling:** Features a cooling fan for temperature management.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- MekedeTech 9-inch Android Radio Unit
- Dash Kit (specific to Dodge Ram 2013-2018)
- Power Cable

- RCA Cable
- Reversing Camera Cable
- USB Cables
- GPS Antenna
- 4G LTE Antenna (if applicable)
- User Manual (this document)
- *Note: Specific accessories may vary slightly.*

4. INSTALLATION

The MekedeTech Android radio is designed for a Plug & Play installation. However, professional installation is recommended. Ensure the vehicle's battery is disconnected before starting any electrical work.

1. Carefully remove the original factory radio and trim panels from your Dodge Ram. Refer to your vehicle's service manual for specific removal instructions.
2. Connect the provided power cable, RCA cable, reversing camera cable, and USB cables to the corresponding ports on the new Android radio unit.
3. Connect the GPS antenna and 4G LTE antenna (if applicable) to the unit and route them to an optimal location for signal reception.
4. Mount the new Android radio unit into the dash opening using the provided dash kit.
5. Reconnect the vehicle's battery and test the unit's functionality before fully reassembling the dash.
6. Reinstall all trim panels.



Image: Comparison of the vehicle's dashboard before and after the MekedeTech radio installation. The top image shows the new 9-inch Android radio installed, displaying a modern interface with app icons. The bottom left shows the original factory radio, and the bottom right shows the new radio again for comparison.

5. INITIAL SETUP AND CONFIGURATION

5.1. Cooling Fan Setup

The unit includes a cooling fan to manage internal temperatures, especially during prolonged use or in hot environments. Ensure the cooling fan is properly configured.

1. Connect the cooling fan cable to the designated port on the radio unit.
2. Navigate to **Settings > Device > Sound**.
3. Locate the option for "AMP ON" or "Cooling Fan" and ensure it is enabled.



OCTA CORE, UP TO 2.0GHz, 8+128GB
CPU: 2*cortex A75 + 6*cortex A55 (12NM)

Android
System

8GB
RAM

128GB
ROM



Support Cooling fan

The cooling fan can deal with and solve the abnormal operation caused by high temperature in summer and long-term use of the machine, such as restart, abnormal touch, abnormal function, etc....

VS

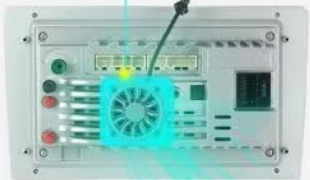
There is no cooling fan



cpu_thermal_zone 91.0°C
gpu_thermal_zone 89.0°C

High temperature

With cooling fan



cpu_thermal_zone 57.0°C
gpu_thermal_zone 57.0°C

Normal temperature

Setup steps:

1.



connect

2. Settings -- Device -- Sound



3. Device -- AMP ON



4. The cooling fan starts working

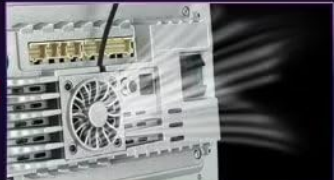


Image: Illustrates the internal components of the MekedeTech radio, highlighting the 8-core CPU, 8GB RAM, and 128GB ROM. It also shows the cooling fan mechanism and a comparison of temperature zones with and without the fan. Setup steps for activating the cooling fan via the device settings menu are also depicted.

5.2. Network Connectivity (4G LTE & WiFi)

Connect your radio to the internet via 4G LTE or WiFi.

- **4G LTE:** Insert a 4G SIM card into the designated SIM card slot. There are two slots: one on the back of the main unit and one on the RCA cable. The unit will automatically detect the network.
- **WiFi:** Go to **Settings > Network & Internet > Wi-Fi**. Turn on Wi-Fi, select your desired network, and enter the password.

Built-in 4G Lte and WIFI

The built-in 4G module allows you to connect to the cellular network almost anywhere, anytime. No need to open your cellular hotspot connection every time.



4G SIM card slot

The machine includes two SIM card slots, one on the back of the main unit and one on the RCA cable.



External SIM card slot

Support DSP Processor

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!



Image: Details the built-in 4G LTE and WiFi capabilities of the MekedeTech radio. It shows the location of the 4G SIM card slots (one on the unit, one on the RCA cable) and explains how to connect to cellular networks. The image also highlights the DSP Processor for enhanced audio quality.

5.3. Bluetooth Pairing

Pair your smartphone for hands-free calls and audio streaming.

1. On the radio, go to **Settings > Connected devices > Bluetooth** and turn Bluetooth ON.
2. On your smartphone, enable Bluetooth and search for available devices.
3. Select the radio's Bluetooth name (e.g., "MekedeTech Car BT") from your phone's list and confirm the pairing code if prompted.

5.4. CarPlay and Android Auto Setup

The unit supports both Wireless CarPlay (for iOS) and Wireless/Wired Android Auto (for Android).

Wireless CarPlay (iOS System)

1. Ensure Bluetooth is enabled on both your iPhone and the radio.
2. On the radio, open the "Car Link" application.
3. Connect your iPhone to the radio via Bluetooth.
4. Wait for the connection to establish. CarPlay will launch automatically.
5. *Note: CarPlay can also be connected via a USB cable.*

Wireless Android Auto (Android System)

1. Ensure Bluetooth is enabled on both your Android phone and the radio.
2. On the radio, open the "Car Link" application.
3. Connect your Android phone to the radio via Bluetooth.
4. Wait for the connection to establish. Android Auto will launch automatically.
5. *Note: Android Auto can also be connected via a USB cable.*

Built-in Car-Play + Auto

car dvd player comes with car-play function, no need to purchase additional accessories.

Wireless Car-Play(ios system)

Connection steps:

1. Connect BT
2. Click on "Car Link" and wait for connection

(Car-Play can also be connected via USB Cable)

Wireless Auto(Android system)

Connection steps:

1. Connect BT
2. Click on "Car Link" and wait for connection

(Auto can also be connected via USB Cable)

Image: Demonstrates the built-in Wireless CarPlay and Android Auto functionality. It shows the radio display with CarPlay and Android Auto interfaces, along with step-by-step instructions for connecting both iOS and Android devices wirelessly via Bluetooth and the "Car Link" application.

6. OPERATING INSTRUCTIONS

6.1. Basic Navigation

The 9-inch IPS touchscreen allows for intuitive control. Tap icons to open applications, swipe to navigate between screens, and use pinch-to-zoom gestures where supported.

6.2. Audio Playback

- **Radio:** Access the built-in FM/AM radio tuner. Scan for stations or manually tune.
- **Media Player:** Play audio files (APE/FLAC/WAV/MP3/WMA etc.) from USB drives or internal storage.
- **Bluetooth Audio:** Stream music from your paired smartphone.
- **DSP Sound System:** Adjust equalizer settings and sound profiles via the audio settings menu for optimal sound quality.

6.3. GPS Navigation

The unit comes with built-in GPS navigation and pre-loaded maps. Open the navigation application, enter your destination, and follow the voice-guided directions.

6.4. Steering Wheel Controls

The unit retains original steering wheel control functionality. This allows you to adjust volume, switch songs/channels, and answer calls without taking your hands off the steering wheel.

6.5. Phone Calls

Once your phone is paired via Bluetooth, you can make and receive calls directly from the radio interface. Access your phonebook, dial numbers, and manage calls through the dedicated phone application.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be found in the system settings or on the manufacturer's website.
- **Temperature:** Avoid exposing the unit to extreme temperatures. The built-in cooling fan helps manage internal heat.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound.	Volume too low, incorrect audio source, loose speaker wires.	Increase volume. Select correct audio source. Check speaker wire connections.
GPS signal lost or inaccurate.	GPS antenna obstructed or improperly installed.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.

Problem	Possible Cause	Solution
CarPlay/Android Auto not connecting.	Bluetooth not enabled, "Car Link" app not open, phone compatibility issue.	Verify Bluetooth is ON on both devices. Open "Car Link" app. Ensure phone is compatible. Try a wired connection.
Touchscreen unresponsive.	Temporary software glitch, unit frozen.	Restart the unit (turn vehicle off and on). If issue persists, perform a factory reset (refer to settings).

9. SPECIFICATIONS

Feature	Detail
Brand	MekedeTech
Model	8-Core 8+128G
Screen Size	9 inches
Operating System	Android 13
CPU	8-Core A53 1.8GHz
Memory (RAM)	8 GB
Storage (ROM)	128 GB
Screen Resolution	1280*720
Display Type	IPS LCD
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth, USB, Wi-Fi, Wireless, 4G LTE
Bluetooth Version	5.0
Special Features	4G LTE, Bluetooth, Touchscreen, Wireless Android Auto, Wireless CarPlay, DSP Sound System
GPS Support	Built-in GPS, Worldwide Maps
Power Output	4*50W
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.
Compatible Vehicles	Dodge Ram 1500/2500/3500 (2013-2018) with Automatic AC

10. WARRANTY AND SUPPORT

Warranty: This product comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

For technical support, troubleshooting assistance, or warranty inquiries, please contact MekedeTech customer service 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