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› MekedeTech Mekede M6 Plus Android 13 Car Radio User Manual

MekedeTech M6Plus

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Model: M6Plus

1. PRODUCT OVERVIEW

The MekedeTech Mekede M6 Plus is a state-of-the-art Android 13 car radio designed to seamlessly integrate into your Dodge Ram 1500, 2500, or 3500 (2013-2018 models with manual AC). This head unit features a large 9.5-inch 2K IPS touch screen, offering a superior visual experience with excellent clarity and reduced reflection. It is equipped with an 8-core processor, ample memory, and advanced connectivity options to enhance your driving experience.

Key features include:

- Android 13 Operating System
- 9.5-inch 2K IPS QLED Touch Screen (2000x1200 resolution)
- Wireless CarPlay & Android Auto
- Bluetooth 5.1 with Qualcomm 3031 chip
- Intelligent Voice Control
- DSP with 36-Band Equalizer and DTS 4.1/5.1 Channel Surround System
- Support for 4G LTE and 5GHz WiFi
- Plug & Play installation for compatible Dodge Ram models



Figure 1.1: MekedeTech M6 Plus Car Radio Main Display Interface.

2. SETUP AND INSTALLATION

The MekedeTech M6 Plus is designed for a plug-and-play installation in specific Dodge Ram models. Professional installation is recommended to ensure proper functionality and vehicle integration.

2.1. Included Components

Before beginning installation, verify all components are present:

Accessories

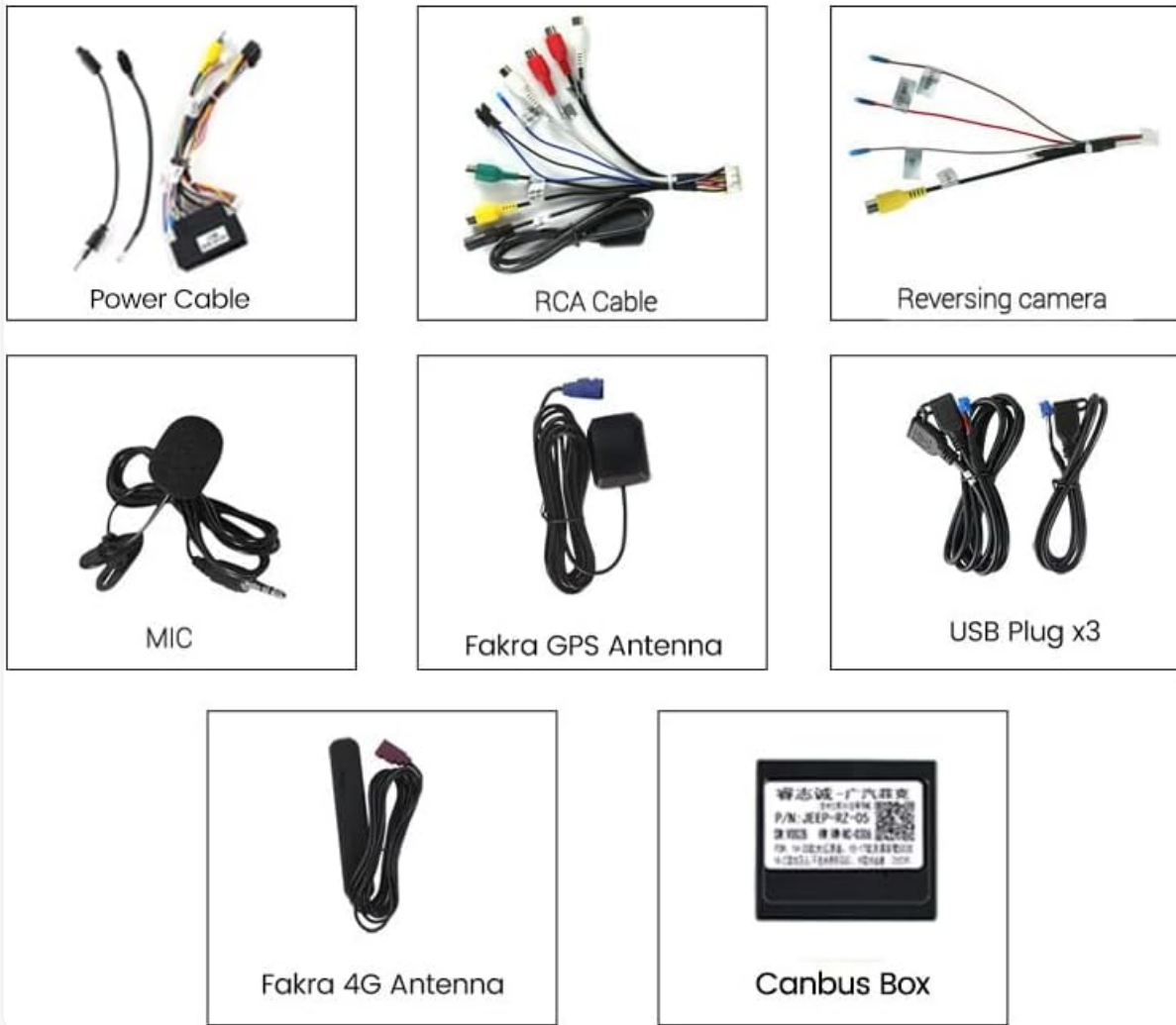


Figure 2.1: Included Accessories for MekedeTech M6 Plus.

- Power Cable
- RCA Cable
- Reversing Camera
- Microphone (MIC)
- Fakra GPS Antenna
- USB Plugs (x3)
- Fakra 4G Antenna
- Canbus Box

2.2. Installation Overview

This unit replaces the factory radio. The provided dash kit ensures a seamless fit. The Canbus box facilitates communication with the vehicle's systems, such as steering wheel controls and vehicle information display.



Before installing



After installing

Figure 2.2: Before and After Installation of the M6 Plus in a Dodge Ram.

For detailed installation steps, refer to the specific wiring diagrams and vehicle disassembly instructions provided with the product packaging or consult a qualified automotive technician.

3. OPERATING INSTRUCTIONS

The MekedeTech M6 Plus operates on Android 13, providing a familiar and intuitive user interface similar to a smartphone or tablet.

3.1. Touch Screen Navigation

The 9.5-inch QLED touch screen allows for easy navigation through menus, applications, and settings. Swipe, tap, and pinch-to-zoom gestures are supported.



Figure 3.1: Navigation Interface with Map Application.

3.2. Wireless CarPlay & Android Auto

Connect your smartphone wirelessly to access navigation, music, messages, and calls directly from the head unit's screen. This feature eliminates the need for physical cable connections for a seamless experience.

3.3. Bluetooth 5.1 Connectivity

Pair your mobile device via Bluetooth 5.1 for hands-free calling and audio streaming. The Qualcomm 3031 chip ensures a stable connection with low power consumption and faster transmission speeds.

3.4. Voice Control

Utilize the integrated voice control feature for safe and convenient operation. Control navigation, music playback, and make calls using voice commands, compatible with Siri and other voice assistants.

3.5. Audio Settings (DSP, EQ, DTS)

The built-in Digital Signal Processor (DSP) offers a 36-band equalizer for precise audio tuning. The DTS 4.1/5.1 channel surround system provides an immersive sound experience, creating a dynamic and balanced audio environment within your vehicle.



Figure 3.2: Music Playback and Settings Interface.



4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your MekedeTech M6 Plus car radio.

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronic screens. Dampen the cloth slightly with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures for prolonged periods. While designed for automotive use, excessive heat or cold can affect performance.
- **Software Updates:** Periodically check for software updates from MekedeTech to ensure the system has the latest features, bug fixes, and security enhancements.
- **Ventilation:** Ensure the unit's ventilation areas are not obstructed to allow for proper cooling, especially with the built-in cooling fan.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your MekedeTech M6 Plus unit.

5.1. No Power / Unit Does Not Turn On

- **Check Connections:** Ensure all power cables are securely connected to the unit and the vehicle's power source.
- **Vehicle Fuse:** Verify the vehicle's fuse for the radio/accessory circuit is intact.
- **Ignition:** Confirm the vehicle's ignition is on (ACC or ON position).

5.2. No Sound

- **Volume Level:** Check if the volume is turned up and not muted.
- **Source Selection:** Ensure the correct audio source (e.g., Radio, Bluetooth, CarPlay) is selected.
- **Speaker Connections:** Verify speaker wires are correctly connected to the unit and not shorted.
- **DSP Settings:** Check DSP or equalizer settings; ensure no settings are causing audio suppression.

5.3. Touch Screen Unresponsive

- **Restart Unit:** Turn off the vehicle's ignition, wait a few minutes, and restart.
- **Clean Screen:** Ensure the screen is clean and free of debris or moisture.
- **Software Glitch:** If persistent, a factory reset (refer to settings menu) might be necessary, but this will erase user data.

5.4. Bluetooth / CarPlay / Android Auto Connectivity Issues

- **Device Compatibility:** Ensure your smartphone is compatible with Wireless CarPlay/Android Auto.
- **Forget Device:** On both the head unit and your phone, 'forget' the paired device and attempt to re-pair.
- **Software Updates:** Ensure both the head unit and your phone's operating system are up to date.
- **Interference:** Minimize other wireless devices nearby that might cause interference.

If issues persist after attempting these troubleshooting steps, please contact MekedeTech customer support.

6. SPECIFICATIONS

Feature	Specification
Model Number	M6Plus
Operating System	Android 13
CPU	UIS7862S 2.0GHz 8-core (2 cores ARM cortex A75+6 cores ARM cortex A55)
Memory	8GB RAM + 128GB Storage
Screen Size	9.5 Inches
Display Resolution	2000x1200 QLED Screen
Bluetooth Version	BT 5.1 (Qualcomm 3031 chip)
Power Amplifier	TDA7850/7851
Radio IC	TDA7708
Audio Features	DSP, RDS, DTS 4.1/5.1, 36-band Equalizer
Connectivity	4G LTE, 5GHz WiFi, Wireless CarPlay, Wired Android Auto
Voice Control	Supported
Camera Support	ADAS DVR front camera, AHD rear camera
Included Components	Voice Control, Front Camera, Rear Camera, Mounts, Cables

7. WARRANTY AND SUPPORT

7.1. Manufacturer Warranty

For information regarding the standard manufacturer's warranty, please refer to the documentation included with your purchase or contact MekedeTech directly.

7.2. Optional Protection Plans

Extended protection plans may be available for purchase to provide additional coverage beyond the manufacturer's warranty. These plans typically cover a longer duration and may include accidental damage protection.

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly subscription)

Details regarding coverage, terms, and conditions for these plans are provided by the plan provider at the time of purchase.

7.3. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact MekedeTech customer support. You can typically find contact information on the official MekedeTech website or through your purchase platform.
Manufacturer: Shenzhen Mekede Technology Co.,Ltd