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› MekedeTech M7 Plus Android Car Stereo User Manual

MekedeTech M7Plus8-256-10.36

MekedeTech M7 Plus Android Car Stereo User Manual

Model: M7Plus8-256-10.36

1. INTRODUCTION

Thank you for choosing the MekedeTech M7 Plus Android Car Stereo. This advanced in-dash head unit is designed to provide a comprehensive and intuitive multimedia experience in your vehicle. Featuring a high-resolution QLED touchscreen, powerful Android 13 operating system, and seamless smartphone integration, the M7 Plus offers superior navigation, entertainment, and connectivity. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and user satisfaction.



This image displays the MekedeTech M7 Plus Android Car Stereo unit, showcasing its large 10.36-inch QLED touchscreen. The screen interface shows a navigation map on the right, a clock and date on the left, and media playback controls at the bottom. Icons for various applications like Spotify and Yandex.Navigator are visible at the bottom of the screen.

2. PRODUCT FEATURES

The MekedeTech M7 Plus is equipped with a range of features designed to enhance your driving experience:

- **Advanced Android System:** Runs on Android 13 with an 8-core 2.7GHz UIS7870C 6NM CPU for smooth performance.
- **High-Resolution QLED Display:** Features a 10.36-inch 2000x1200 QLED full-fit screen, offering excellent picture restoration, texture, and visibility in strong light, with 40% reduced reflection.
- **Wireless Connectivity:** Supports 4G LTE, 5GHz WiFi, and Bluetooth 5.0 for seamless internet access and device pairing.
- **Smartphone Integration:** Built-in Wireless CarPlay and Android Auto allow for easy access to navigation, calls, messages, and music without a cable connection.
- **Superior Audio Quality:** Equipped with TDA7850/7851 power amplifier, TDA7708 radio IC, DSP with 36-band EQ, and DTS 4.1/5.1 channel surround system for a rich, immersive sound experience.
- **Voice Control:** Intelligent voice control for hands-free operation, enhancing driving safety and convenience.
- **Enhanced Dynamics Display:** Displays door and light switch status (requires compatible canbus decoder and car model setting).
- **Camera Support:** Supports ADAS DVR front camera and AHD rear camera for improved safety and recording.
- **Efficient Cooling:** Features an upgraded, powerful built-in cooling fan to maintain optimal operating temperature.
- **Improved Antennas:** Includes upgraded Fakra GPS Antenna and Fakra 4G Antenna for reliable signal reception.



New system upgrade, using **UIS7870** chip, **6nm** process, built-in **2.7Ghz** large core, performance far more than 8155

**Chip Processing
(6nm)**

Memory optional

4+64GB 6+128GB

8+256GB 12+256GB



**FM/AM
RDS Radio**

Power amplifier: TDA7851
Radio: TDA7708

DSP



DTS

DSP AKM7738 Automotive Grade DSP with 36 band EQ,
DTS algorithm.



Wireless
Car-play



Wireless
Auto



4G
LTE



5G
wifi



Support
BT5.0



Voice
Control



Rear view
of parking



ADAS
DVR



360°
panoramic
camera

This graphic highlights the core technical features of the MekedeTech M7 Plus. It details the 8-core UIS7870C 6NM chip processing, optional memory configurations (4+64GB, 6+128GB, 8+256GB, 12+256GB), FM/AM RDS Radio with TDA7851 amplifier and TDA7708 radio IC, and DSP AKM7738 with 36-band EQ and DTS algorithm. Connectivity options like Wireless Carplay, Wireless Auto, 4G LTE, 5G WiFi, Bluetooth 5.0, Voice Control, Rear View parking support, ADAS DVR, and 360 panoramic camera compatibility are also shown.



2K Full-fit Screen Ultra-clear

**Full-fit
screen**

**Larger
viewing angle**

**Resolution
2000*1200**



This image focuses on the advanced display technology of the MekedeTech M7 Plus, highlighting its 2K Full-fit Ultra-clear screen. Key benefits shown include a full-fit screen design, a larger viewing angle, and a high resolution of 2000x1200 pixels, ensuring a crisp and immersive visual experience.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- MekedeTech M7 Plus Main Unit (Machine)
- Microphone (MIC)
- RCA Cable
- Reversing Camera Cable
- Video Out Cable
- USB Plug Cables (x3)
- 4G Antenna
- GPS Antenna

Package Contents



Machine



MIC

M7



RCA
Cable



Reversing
camera



Video
out



USB
Plug *3



4G Antenna



GPS Antenna

This image provides a clear visual list of the items included in the MekedeTech M7 Plus package. It shows the main 'Machine' (the car stereo unit), a 'MIC' (microphone), 'RCA Cable', 'Reversing camera' cable, 'Video out' cable, three 'USB Plug' cables, a '4G Antenna', and a 'GPS Antenna'.

4. SETUP AND INSTALLATION

Installation of the MekedeTech M7 Plus should ideally be performed by a qualified professional. Ensure the vehicle's battery is disconnected before beginning installation to prevent electrical damage.

4.1. Pre-Installation Checks

- Confirm compatibility with your vehicle's dashboard and wiring harness.
- Gather necessary tools (screwdrivers, wire strippers, electrical tape, etc.).

4.2. Wiring Connections

Connect the provided wiring harness to the corresponding ports on the M7 Plus unit and your vehicle's wiring. Pay close attention to:

- **Power Wires:** Connect constant 12V (yellow), accessory 12V (red), and ground (black).

- **Speaker Wires:** Match positive and negative terminals for each speaker.
- **Antenna Connections:** Connect the GPS antenna and 4G antenna to their respective ports. Position the GPS antenna in a location with a clear view of the sky.
- **RCA Cables:** Connect for external amplifiers, subwoofers, or video output as needed.
- **USB Cables:** Route USB cables to an accessible location for connecting external devices.
- **Camera Inputs:** Connect the AHD rear camera and ADAS DVR front camera (if applicable) to their designated inputs.
- **Microphone:** Connect the external microphone for optimal voice command and call quality.

4.3. Mounting the Unit

Securely mount the M7 Plus unit into the double-DIN opening of your vehicle's dashboard. Ensure all cables are neatly tucked away and not pinched.

4.4. Initial Power-Up

Reconnect the vehicle's battery. Power on the unit and perform a basic functionality test to ensure all connections are correct and the system boots up properly.

5. OPERATING INSTRUCTIONS

The MekedeTech M7 Plus operates on an Android 13 system, providing a familiar and intuitive user interface.

5.1. Basic Navigation

- **Touchscreen:** Navigate through menus and applications by tapping, swiping, and pinching on the QLED touchscreen.
- **Home Screen:** Customize widgets and app shortcuts for quick access.
- **Settings:** Access system settings for Wi-Fi, Bluetooth, display, sound, and more.

5.2. Wireless CarPlay & Android Auto

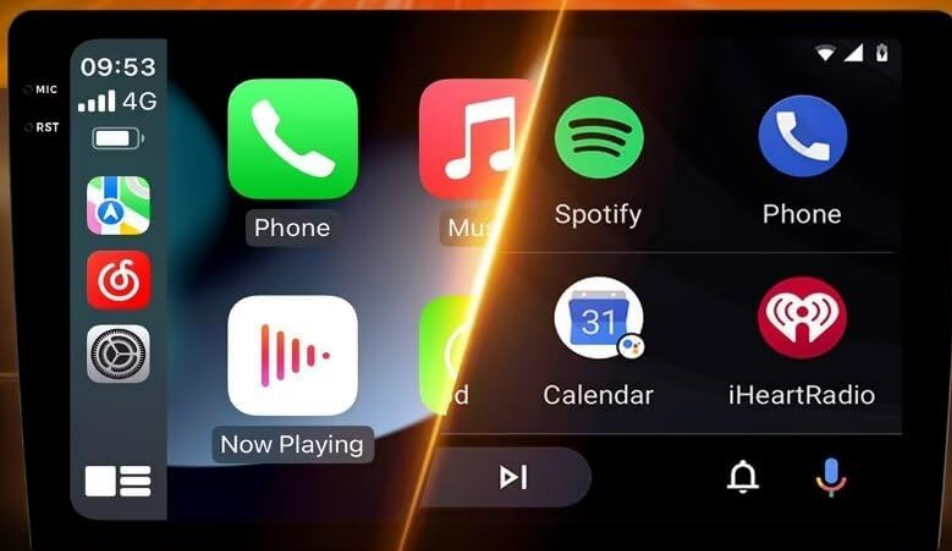
To use Wireless CarPlay or Android Auto:

- Ensure Bluetooth and Wi-Fi are enabled on both your smartphone and the M7 Plus.
- Pair your phone via Bluetooth. The system will prompt you to enable CarPlay/Android Auto.
- Once connected, your phone's compatible apps will appear on the M7 Plus screen, allowing for seamless control of navigation, music, calls, and messages.



Built-in Car-Play Android Auto

Car dvd player comes with car-play function no need to purchase additional accessories. car machine big screen second change mobile phone real-time sharing mobile map, phone, music and so on



This image showcases the integrated Wireless CarPlay and Android Auto functionality of the MekedeTech M7 Plus. The screen displays a typical smartphone interface with icons for Phone, Music, Spotify, Calendar, and iHeartRadio, demonstrating how mobile applications are seamlessly mirrored and controlled through the car stereo, eliminating the need for additional accessories.

5.3. Voice Control

Activate voice control by saying the designated wake word or pressing the voice command button (if available). You can then issue commands for navigation, music playback, calls, and more.

5.4. Audio Settings (DSP & EQ)

Access the DSP (Digital Sound Processor) settings to fine-tune your audio experience. The 36-band equalizer allows for precise adjustments to frequency ranges. Explore features like low-pass filter, tone compensation, balanced mode, and surround sound mode (DTS 4.1/5.1) to customize your sound profile.

5.5. Day/Night Mode

The system automatically adjusts the display brightness and color profile based on ambient light conditions. You can also manually switch between day and night modes in the display settings for optimal visibility and reduced eye strain.



Intelligent Day night mode

The color of the daytime mode is clear and bright, and the color of the night mode has a deep texture, which reduces the interference of the user's vision and protects the eyes.



No reflection during
the day



No glare at night



This visual demonstrates the intelligent day and night mode feature of the MekedeTech M7 Plus. The 'Day mode' shows a clear and bright display with no reflection, while the 'Night mode' presents a deeper texture with no glare, designed to protect the user's eyes and reduce interference during different lighting conditions.

5.6. User Interface Options

The M7 Plus offers multiple user interface styles. You can select your preferred layout and theme from the display settings to personalize your experience.

Multiple user interface options



Style 1



Style 2



Style 3

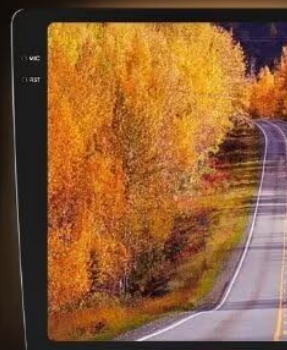


Style 4

2K Screen

2000 * 1200
Resolution

QLED
HD Screen



Android 13
System

Support Cooling Fan



This image illustrates multiple user interface options available on the MekedeTech M7 Plus, showing four distinct display styles. It also emphasizes the 2K (2000x1200 resolution) QLED HD screen and confirms the Android 13 operating system. A diagram of the unit's rear panel highlights the built-in cooling fan, designed for efficient heat dissipation.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	M7Plus
Operating System	Android 13
CPU	8-Core 2.7GHz UIS7870C 6NM
Display Size	10.36 Inches
Display Resolution	2000x1200 QLED

Memory (RAM+ROM)	8GB RAM + 256GB Storage (as per current model)
Bluetooth Version	BT 5.0
Power Amplifier IC	TDA7850/7851
Radio IC	TDA7708
Audio Features	DSP, RDS, DTS 4.1/5.1, 36-band EQ
Connectivity	4G LTE, 5GHz WiFi, Wireless CarPlay, Android Auto
Input/Output	RCA, USB, HDMI (via adapter), AHD Camera, ADAS DVR
Voice Command	Supported (Touchscreen, Microphone, Keyboard, Buttons)
Output Wattage	50 Watts
Color	Black

7. TROUBLESHOOTING

If you encounter issues with your MekedeTech M7 Plus, refer to the following common problems and solutions:

- **No Power:**

- Check all power connections (constant 12V, accessory 12V, ground).
- Verify vehicle's fuse box for blown fuses related to the stereo.
- Ensure the vehicle's battery is charged.

- **No Sound:**

- Check speaker wire connections for proper polarity and secure fit.
- Verify volume level and mute settings on the unit.
- Ensure external amplifiers (if used) are powered on and connected correctly.
- Check audio output settings in the system menu.

- **GPS Signal Loss/Inaccuracy:**

- Ensure the GPS antenna is securely connected.
- Relocate the GPS antenna to a position with a clearer view of the sky (e.g., dashboard, under windshield).
- Check GPS settings in the system menu.

- **Wireless CarPlay/Android Auto Not Connecting:**

- Ensure Bluetooth and Wi-Fi are enabled on both the unit and your phone.
- Forget the device on both ends and attempt to re-pair.
- Update your phone's operating system and the unit's firmware (if available).

- **Touchscreen Unresponsive:**

- Perform a soft reset by pressing the RST (Reset) button with a thin object (e.g., paperclip).
- Ensure the screen is clean and free of debris.

- **System Freezes/Slow Performance:**

- Close unnecessary background applications.
- Clear cache from frequently used apps.
- Perform a system restart.
- Ensure sufficient storage space is available.

8. CARE AND MAINTENANCE

Proper care will extend the life of your MekedeTech M7 Plus:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the screen and unit. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Software Updates:** Periodically check the manufacturer's website or the unit's system settings for available software updates. Keeping the firmware updated ensures optimal performance, new features, and bug fixes.
- **Ventilation:** Ensure the cooling fan and vents are not obstructed to prevent overheating.

9. SUPPORT AND WARRANTY

For technical support, warranty claims, or further assistance, please contact MekedeTech customer service through their official channels. Refer to your purchase documentation for specific warranty terms and conditions.

- **Online Support:** Visit the official MekedeTech website for FAQs, support resources, and contact information.
- **Protection Plans:** Consider purchasing extended protection plans offered at the time of purchase for additional coverage beyond the standard warranty.
- **Returns:** Refer to the retailer's return policy for information regarding product returns within the specified period.