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MekedeTech M7Plus

MekedeTech M7 Plus Android 13 Car Stereo User Manual

Model: M7Plus-10.36inch-12+256G

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech M7 Plus Android 13 Car Stereo. This universal double DIN head unit features a 10.36-inch QLED touch screen, Android 13 operating system, Bluetooth 5.0, and integrated wireless CarPlay/Android Auto functionality. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.



Figure 1.1: MekedeTech M7 Plus Android Car Stereo. This image displays the front view of the car stereo with its large QLED touch screen, showing a navigation map and media player interface.

2. Safety Information

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended to avoid damage to the unit or vehicle.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply with negative grounding.
- **Wiring:** Do not short-circuit any wires. Incorrect wiring can cause fire or damage.
- **Operation While Driving:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the unit away from water and excessive moisture.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.

3. Package Contents

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

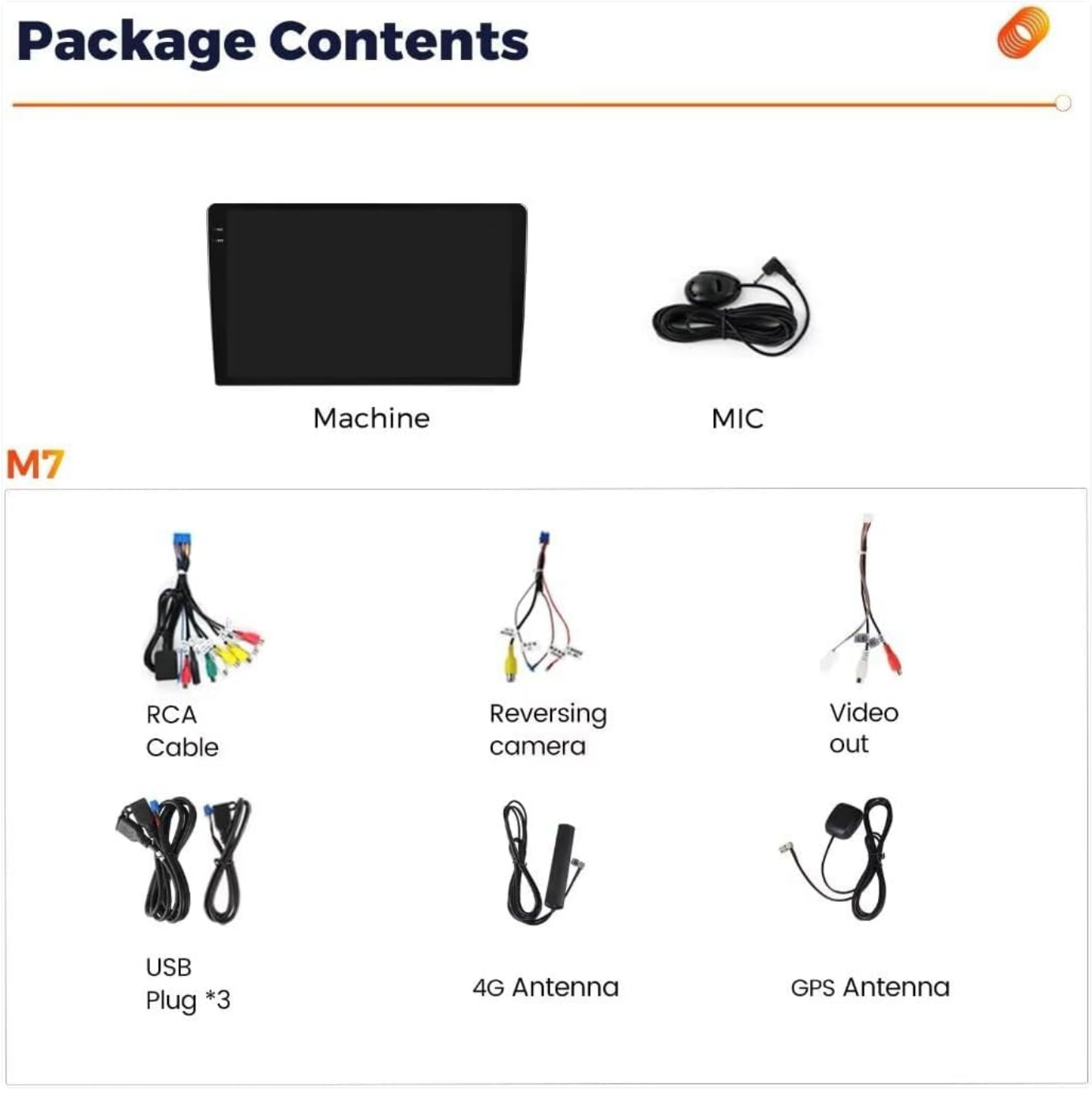


Figure 3.1: Package Contents. This image displays the main unit, microphone, RCA cable, reversing camera cable, video out cable, three USB plugs, 4G antenna, and GPS antenna.

- MekedeTech M7 Plus Main Unit
- Microphone (MIC)
- RCA Cable
- Reversing Camera Cable
- Video Out Cable
- USB Plugs (x3)
- 4G Antenna
- GPS Antenna
- User Manual (this document)

4. Setup and Installation

4.1 Wiring Diagram (General)

Refer to the specific wiring diagram provided with your unit for detailed connections. The following is a general guide:

1. **Power Connection:** Connect the yellow wire to the constant 12V power supply, the red wire to the accessory (ACC) 12V power supply, and the black wire to ground.
2. **Speaker Connections:** Connect the speaker wires to the corresponding vehicle speakers. Ensure correct polarity.
3. **Antenna Connections:** Connect the GPS antenna and 4G antenna to their respective ports on the unit. Position them for optimal signal reception.
4. **USB Connections:** Connect the USB cables for external devices or media.
5. **RCA Connections:** Use RCA cables for external amplifiers, subwoofers, or video output.
6. **Reversing Camera:** Connect the reversing camera cable to the designated input for automatic display when reversing.
7. **Microphone:** Connect the external microphone for improved voice command and call quality.

4.2 Initial Power-On

After installation, turn on your vehicle's ignition. The unit should power on automatically. Follow the on-screen prompts for initial setup, including language selection, time zone, and network configuration.

5. Operating Instructions

5.1 User Interface and Navigation

The M7 Plus features an intuitive Android 13 interface. Swipe left or right to access different home screens and applications. Tap icons to launch apps. The unit supports multiple user interface styles, allowing for personalization.

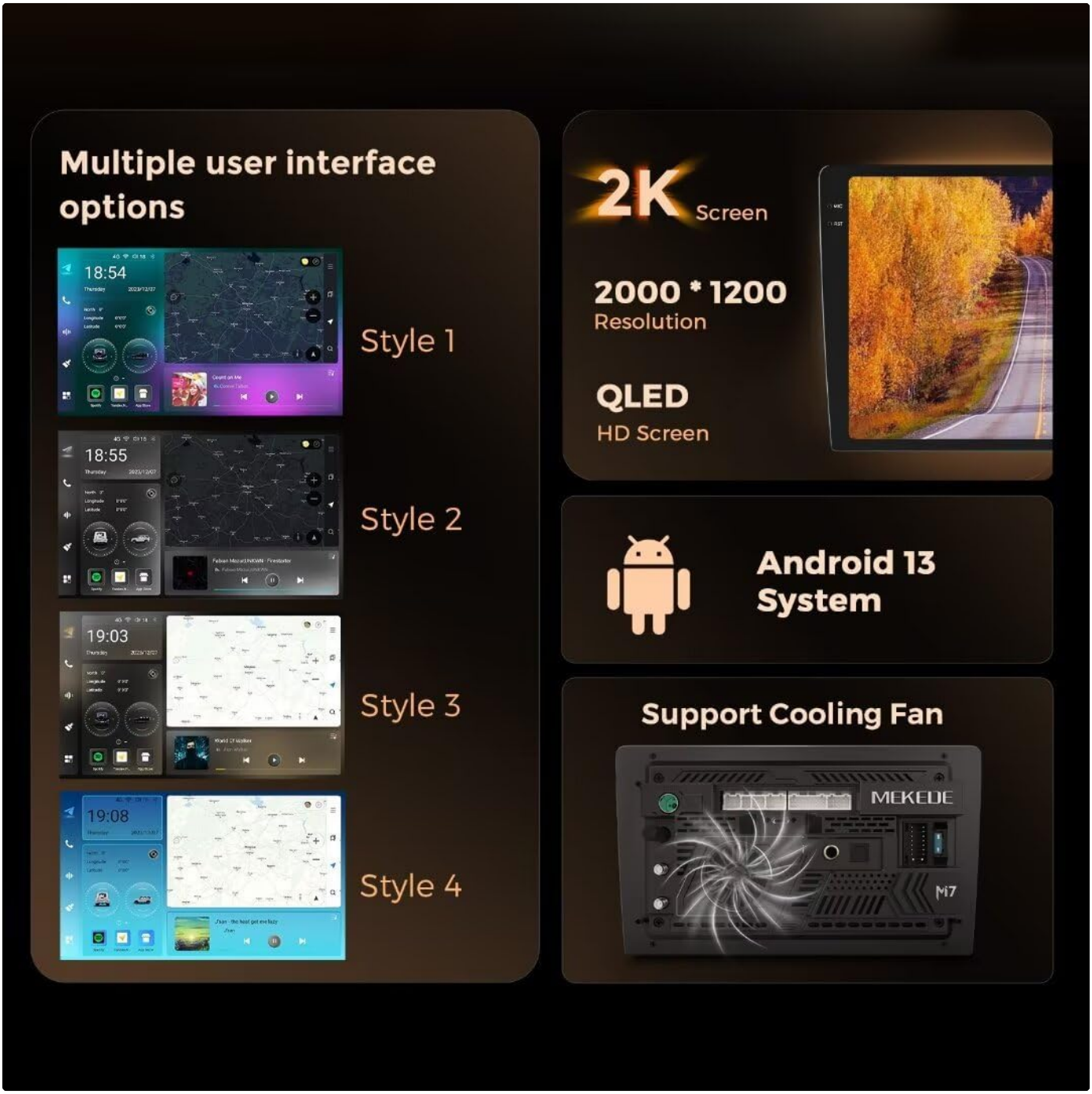


Figure 5.1: Multiple User Interface Options and Screen Details. This image illustrates four different UI styles available on the M7 Plus, alongside details about the 2K QLED HD screen and the integrated cooling fan.

5.2 QLED Touch Screen

The 10.36-inch QLED screen offers a resolution of 2000x1200 pixels, providing clear visuals and a wide viewing angle. The full-fit screen design enhances the display quality and reduces reflection.



Figure 5.2: 2K Full-fit Screen. This image highlights the ultra-clear display, full-fit design, larger viewing angle, and 2000x1200 resolution of the M7 Plus screen.

5.3 Wireless CarPlay and Android Auto

The unit supports wireless CarPlay and Android Auto. To connect, enable Bluetooth and Wi-Fi on your smartphone and follow the pairing instructions on the car stereo. This allows seamless integration of your phone's navigation, communication, and media apps.



Figure 5.3: Built-in CarPlay and Android Auto. This image shows the car stereo display with various smartphone applications like Phone, Music, Spotify, Yandex.Navigator, and App Store, demonstrating the integrated CarPlay/Android Auto functionality.

5.4 Voice Control

The M7 Plus includes intelligent voice control. Activate voice commands by saying the designated wake word or pressing the voice control button. This feature allows hands-free operation for navigation, calls, and music playback, enhancing driving safety.

5.5 Audio Features (DSP, DTS, EQ)

The unit features a DSP (Digital Signal Processor) with a 36-band equalizer and supports DTS 4.1/5.1 channel surround sound. Access these settings through the audio menu to customize your sound experience. Adjust low-pass filters, tone compensation, balanced mode, and surround sound settings.

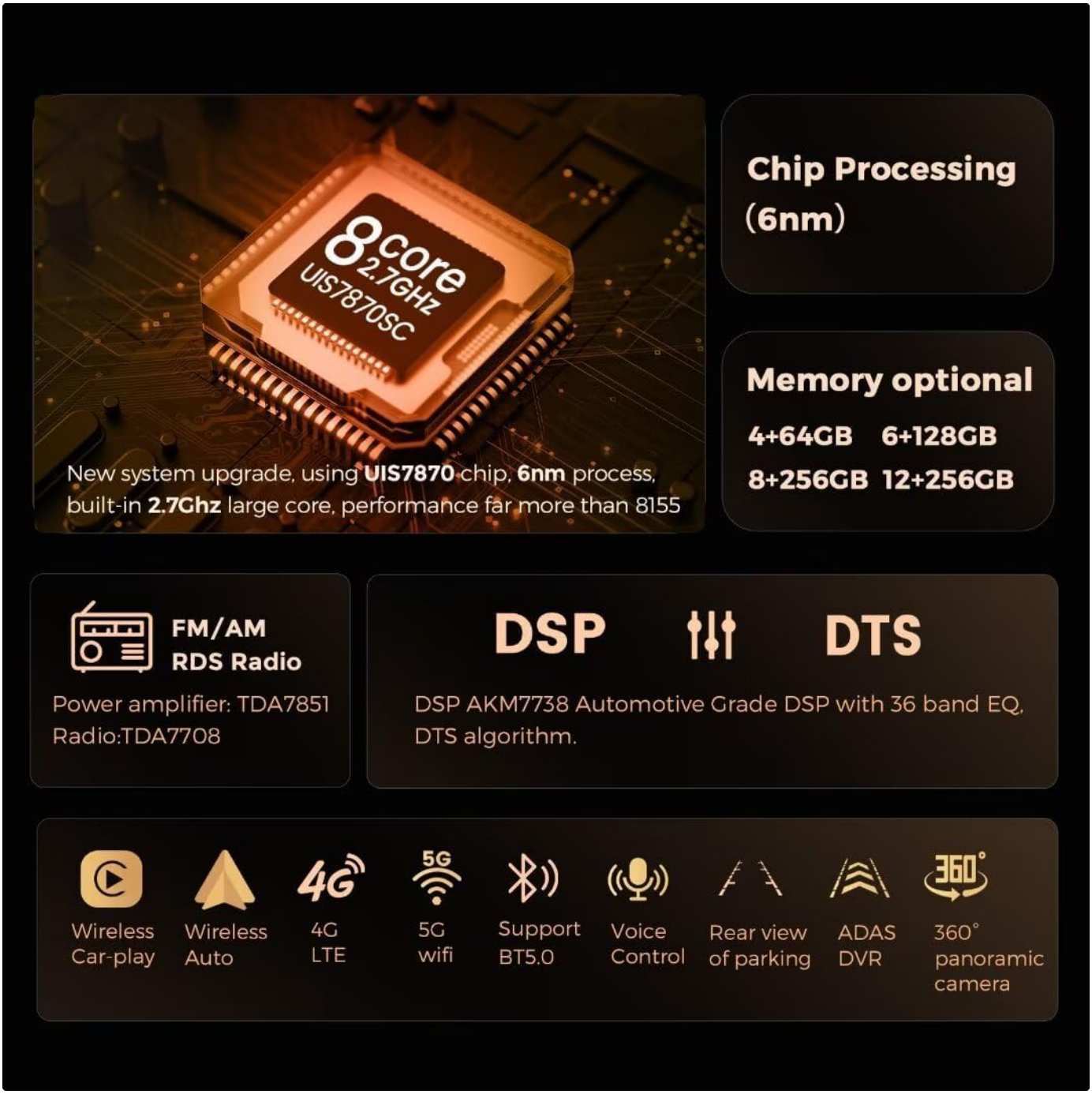


Figure 5.4: Core Features Overview. This image details the 8-core 2.7GHz UIS7870C chip, memory options (4+64GB to 12+256GB), FM/AM RDS Radio, DSP with 36-band EQ, DTS algorithm, and icons for Wireless Car-play, Wireless Auto, 4G LTE, 5G WiFi, Bluetooth 5.0, Voice Control, Rear View Parking, ADAS DVR, and 360 panoramic camera support.

5.6 Day/Night Mode

The intelligent day/night mode automatically adjusts screen brightness and color tones. Daytime mode provides a clear and bright display, while nighttime mode uses deeper textures to reduce glare and protect your eyes.



Figure 5.5: Intelligent Day/Night Mode. This image compares the screen's appearance in daytime mode (no reflection) and nighttime mode (no glare), showing how the display adapts for optimal visibility.

5.7 3D Real-Time Dynamics

If your vehicle is equipped with a compatible CANbus decoder and the car model is correctly set, the unit can display real-time information such as door and light switch status.

6. Maintenance

- **Screen Cleaning:** Gently wipe the QLED screen with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid excessive pressure.
- **Software Updates:** Periodically check for software updates through the unit's settings menu or the manufacturer's website to ensure optimal performance and access to new features.
- **Cooling Fan:** The unit includes a built-in cooling fan. Ensure that the ventilation areas are not obstructed to maintain proper airflow.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect power wiring; blown fuse; vehicle ignition off.	Check power connections (yellow, red, black wires). Inspect vehicle fuses. Ensure ignition is on.
No sound.	Volume too low; mute activated; incorrect speaker wiring.	Increase volume. Check if mute is active. Verify speaker connections.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone; incorrect pairing; phone not supported.	Ensure phone's Bluetooth and Wi-Fi are on. Re-pair the device. Check phone compatibility.
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly installed.	Relocate GPS antenna to a clear line of sight (e.g., dashboard). Check antenna connection.
Touch screen unresponsive.	Temporary software glitch; screen calibration issue.	Restart the unit (press and hold power button or use reset pinhole). If issue persists, contact support.

8. Specifications

Feature	Detail
Operating System	Android 13
CPU	8-Core UIS7870C @ 2.7GHz (6NM)
Screen Size	10.36 inches
Screen Resolution	2000x1200 QLED
Memory (RAM+ROM)	12GB RAM + 256GB ROM (as per model M7Plus-10.36inch-12+256G)
Bluetooth	BT 5.0
Wi-Fi	5GHz Wi-Fi Support
Cellular Connectivity	4G LTE Support
Power Amplifier IC	TDA7850/7851
Radio IC	TDA7708 (with RDS)
Audio Processing	DSP, DTS 4.1/5.1, 36-band EQ
HDMI Output	Built-in (requires external Type-C to HDMI adapter)
Car Integration	Wireless CarPlay, Wireless Android Auto, Voice Control
Camera Support	ADAS DVR front camera, AHD rear camera
Cooling	Built-in powerful cooling fan

9. Warranty and Support

MekedeTech products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your purchase or visit the official MekedeTech website. For technical support, troubleshooting assistance, or service inquiries, please contact MekedeTech customer service through the contact information provided on their official website or your purchase platform.

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

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