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MekedeTech M7Plus

MekedeTech M7 Plus Android 13 Car Stereo Head Unit User Manual

Model: M7Plus12-256-9.5

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your MekedeTech M7 Plus Android 13 Car Stereo Head Unit. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.



Image 1.1: MekedeTech M7 Plus Android 13 Car Stereo Head Unit with 9.5-inch QLED display showing navigation and media playback.

2. Package Contents

Before installation, verify that all components listed below are included in your package. If any items are missing or damaged, please contact customer support.

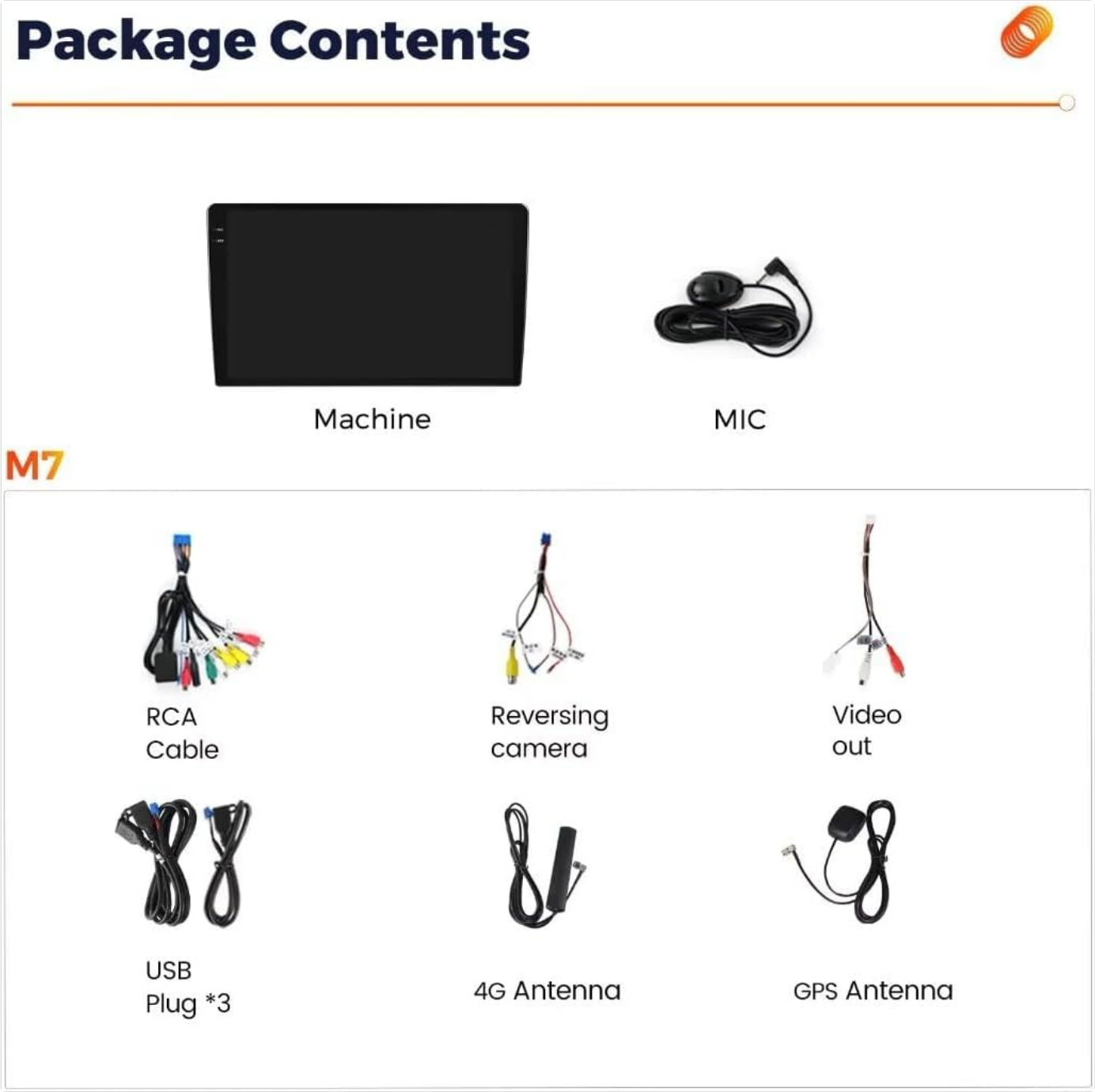


Image 2.1: Illustration of the MekedeTech M7 Plus package contents, including the main unit, microphone, RCA cables, reversing camera cable, video out cable, USB plugs (x3), 4G antenna, and GPS antenna.

- MekedeTech M7 Plus Head Unit
- Microphone (MIC)
- RCA Cable Set
- Reversing Camera Input Cable
- Video Out Cable
- USB Plugs (x3)
- 4G Antenna
- GPS Antenna

3. Setup and Installation

Professional installation is recommended for this car stereo head unit. Incorrect installation can lead to damage to the unit or your vehicle's electrical system. Ensure the vehicle's battery is disconnected before beginning installation.

3.1 Wiring Connections

- **Power Connection:** Connect the main power harness to your vehicle's wiring. Ensure correct polarity for constant power (B+), accessory power (ACC), and ground (GND).
- **Speaker Connections:** Connect the speaker wires to the corresponding vehicle speaker wires. Observe correct positive and negative terminals.
- **Antenna Connections:** Securely connect the provided GPS antenna and 4G antenna to their respective ports on the head unit. Position antennas in locations with clear signal reception.
- **USB Connections:** Connect the USB extension cables to the head unit. These can be routed to a convenient location in your vehicle for connecting USB devices.
- **RCA Connections:** Use the RCA cable set for connecting external amplifiers, subwoofers, or other audio/video input/output devices.
- **Camera Connections:** Connect the AHD rear camera input cable for a reversing camera. An ADAS DVR front camera can also be connected (cameras sold separately).
- **Microphone Connection:** Plug the external microphone into the designated MIC input for improved voice command and call quality.

3.2 Initial Power-Up

After all connections are made, reconnect the vehicle's battery. The unit should power on automatically or by pressing the power button. Follow the on-screen prompts for initial setup, including language selection and time zone.

4. Operating Instructions

Your MekedeTech M7 Plus operates on the Android 13 system, offering a wide range of features and customization options.

4.1 Touch Screen Interface

The 9.5-inch 2000x1200 QLED touch screen provides a responsive and clear visual experience. Navigate through menus, select applications, and control functions by touching the screen. Swipe gestures are used for scrolling and accessing additional screens.

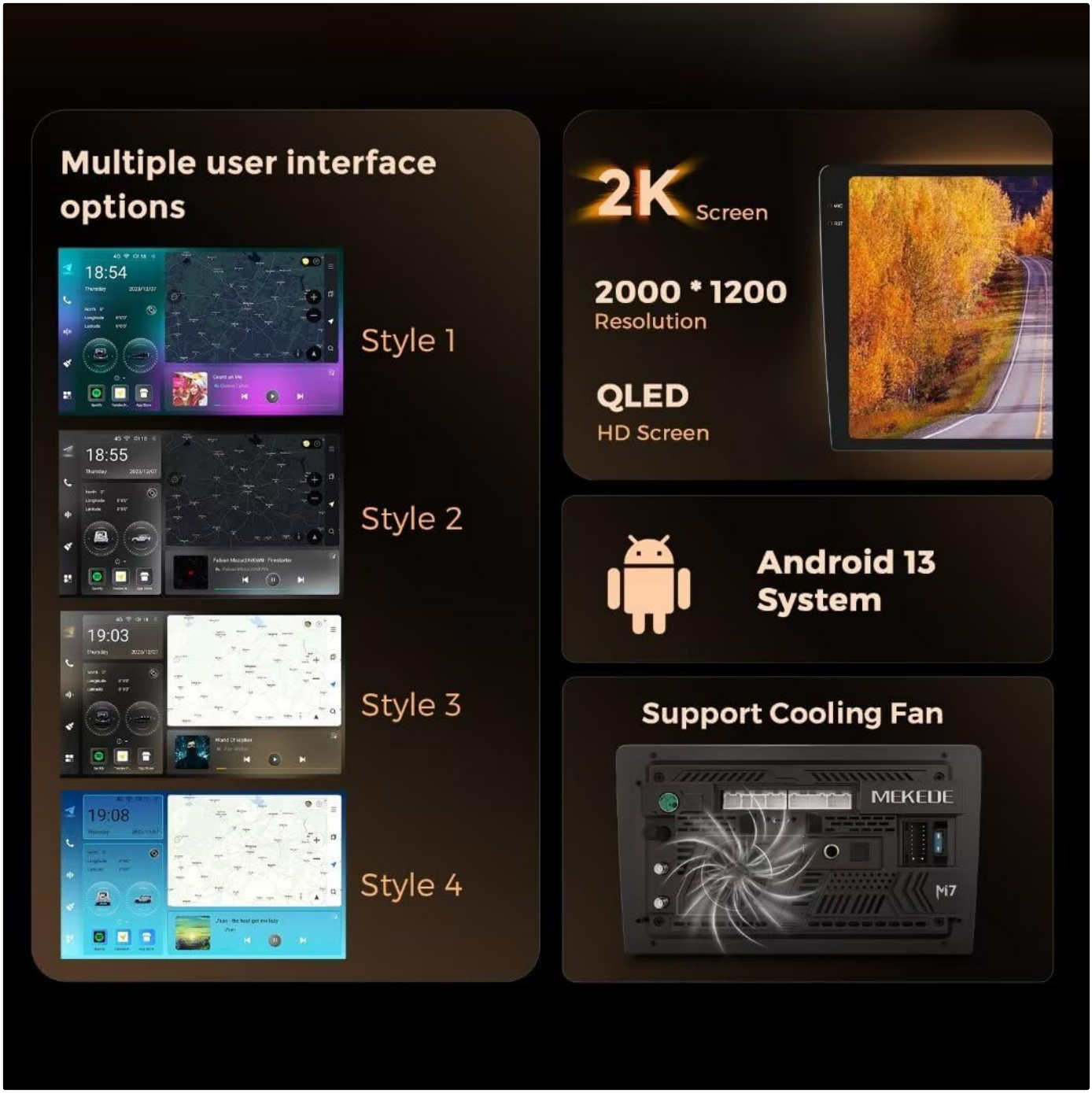


Image 4.1: Displays multiple user interface options (Style 1-4), highlights the 2K QLED HD screen with 2000x1200 resolution, Android 13 System, and the integrated cooling fan.

4.2 Connectivity

- **Bluetooth 5.0:** Pair your smartphone for hands-free calling and audio streaming. Access your phone's contacts and call history directly from the head unit.
- **4G LTE & 5GHz WiFi:** Connect to the internet via a 4G SIM card (not included) or by tethering to a mobile hotspot/WiFi network. This enables online navigation, app downloads, and streaming services.

4.3 Wireless CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly to access navigation, music, messages, and other compatible apps directly on the head unit's screen. This feature enhances driving safety by minimizing phone interaction.



Image 4.2: The MekedeTech M7 Plus display showing the interface for Built-in Wireless CarPlay and Android Auto, with icons for Phone, Music, Spotify, Messages, and other applications.

4.4 Audio Features (DSP & DTS)

The unit features a Digital Sound Processor (DSP) with a 36-band equalizer and supports DTS 4.1/5.1 channel surround sound. This allows for precise audio tuning and an immersive listening experience.

- **Equalizer:** Adjust frequency bands to customize the sound profile.
- **Sound Modes:** Utilize low-pass filter, tone compensation, balanced mode, and surround sound settings.

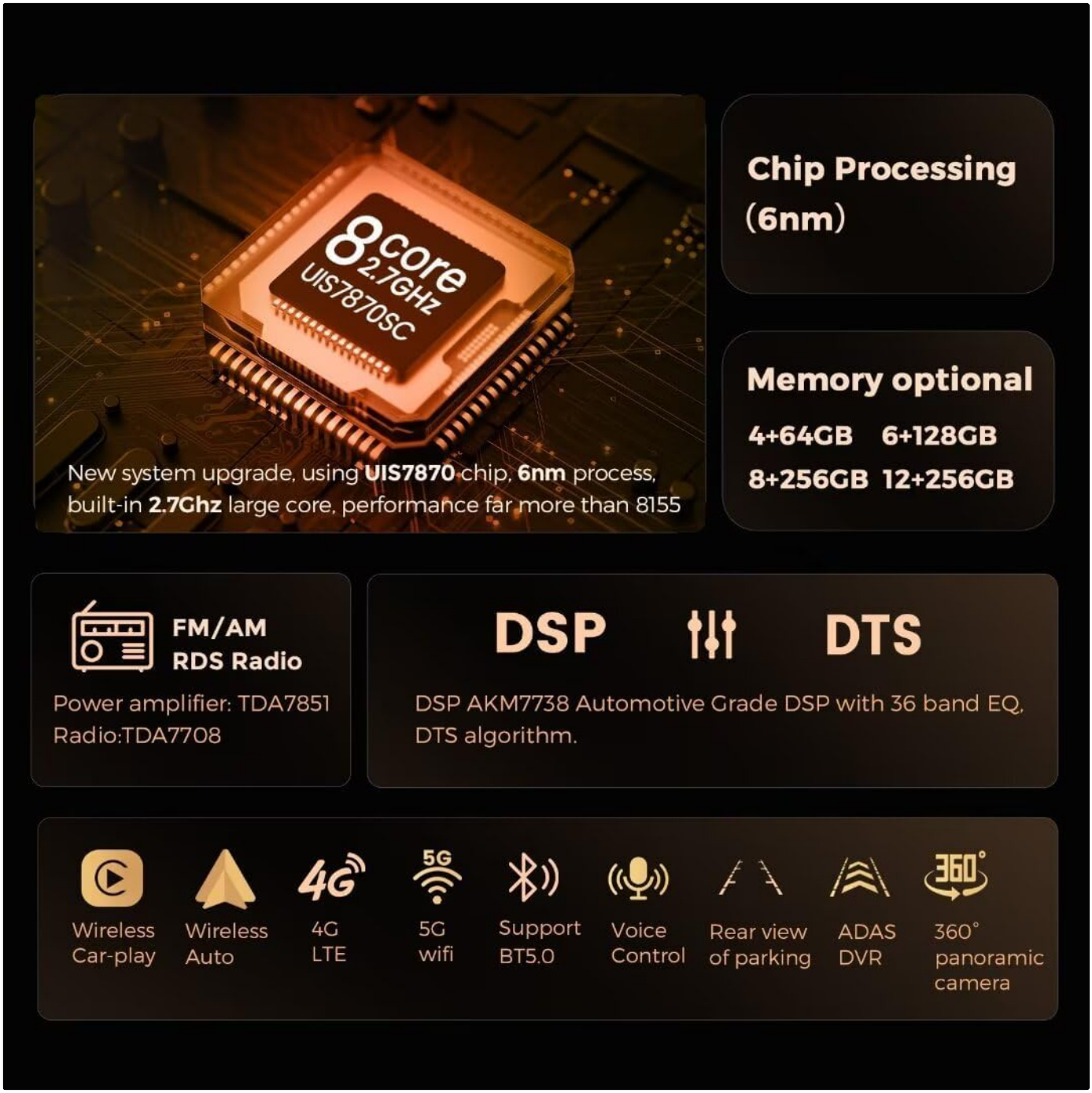


Image 4.3: Details the 8-core 2.7GHz UIS7870C 6nm chip processing, memory options, FM/AM RDS Radio (TDA7851/TDA7708), DSP AKM7738 with 36-band EQ, DTS algorithm, and connectivity features like Wireless Car-play, Wireless Auto, 4G LTE, 5G WiFi, Bluetooth 5.0, Voice Control, Rear view parking, ADAS DVR, and 360 panoramic camera support.

4.5 Voice Control

The integrated voice control system allows for hands-free operation of various functions, including navigation, music playback, and calls. Activate voice control and issue commands for a safer driving experience.

4.6 Display Modes

The unit features an intelligent Day/Night mode that automatically adjusts screen brightness and color for optimal visibility and reduced eye strain in varying light conditions.



Image 4.4: Demonstrates the Intelligent Day/Night mode, showing a clear and bright daytime display with no reflection, and a deep-textured night mode with no glare.



Image 4.5: Highlights the 2K Full-fit Screen, emphasizing its ultra-clear display, larger viewing angle, and 2000x1200 resolution.

4.7 3D Real Time Dynamics

For vehicles equipped with a compatible CANbus decoder, the unit can display real-time information such as door and light switch status. This function requires proper configuration of the car model settings within the unit.

5. Maintenance

To ensure the longevity and optimal performance of your MekedeTech M7 Plus, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and ports.
- **Software Updates:** Periodically check for available software updates through the unit's settings menu to ensure you have the latest features and performance enhancements.

- **Temperature:** Avoid exposing the unit to extreme temperatures. The built-in cooling fan helps manage internal temperatures during operation.

6. Troubleshooting

If you encounter issues with your head unit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, vehicle battery issue	Check power connections (B+, ACC, GND). Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound output	Incorrect speaker wiring, volume too low, mute activated, amplifier issue	Verify speaker connections. Increase volume. Check if unit is muted. If external amplifier is used, check its power and connections.
GPS signal lost or inaccurate	GPS antenna improperly installed or obstructed	Ensure GPS antenna is securely connected and placed in a location with a clear view of the sky.
Bluetooth not connecting	Bluetooth off, device not in pairing mode, interference	Ensure Bluetooth is enabled on both the head unit and your device. Put your device in pairing mode. Try restarting both devices.
Wireless CarPlay/Android Auto not working	WiFi/Bluetooth issues, phone settings, app compatibility	Ensure WiFi and Bluetooth are enabled on your phone. Check phone settings for CarPlay/Android Auto permissions. Update phone OS and apps.
Touch screen unresponsive	Software glitch, physical damage	Restart the head unit. If the problem persists, perform a factory reset (note: this will erase all user data). If still unresponsive, contact support.

If the problem persists after attempting these solutions, please contact MekedeTech customer support for further assistance.

7. Specifications

Feature	Description
Operating System	Android 13
CPU	8-Core 2.7GHz UIS7870C (6nm)
Memory	12GB RAM + 256GB Internal Storage
Screen Size	9.5 inch
Screen Resolution	2000x1200 QLED
Connectivity	4G LTE, 5GHz WiFi, Bluetooth 5.0
Power Amplifier	TDA7850/7851 (Output Wattage: 50 Watts)
Radio IC	TDA7708 (Supports RDS)

Feature	Description
Audio Processing	DSP (36-band EQ), DTS 4.1/5.1 Surround Sound
Smartphone Integration	Wireless CarPlay, Wireless Android Auto
Voice Control	Standard feature
Camera Support	ADAS DVR front camera, AHD rear camera
Cooling	Built-in powerful cooling fan
Special Features	3D Real Time Dynamics (with CANbus decoder), Built-in HDMI (requires Type-C to HDMI adapter)
Color	Black
Compatible Devices	Mobile Phone, Speaker, Television
Connector Type	RCA, USB

8. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official MekedeTech website. Keep your proof of purchase for warranty claims.

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

First Available: August 15, 2024

For technical assistance or inquiries, please contact MekedeTech customer service.

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