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MekedeTech M6ProPlus

MekedeTech M6 Pro Plus Android Car Stereo Instruction Manual

Model: M6ProPlus

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech M6 Pro Plus Android Car Stereo. This advanced head unit features an Android 12 system, a 10.36-inch 2K IPS touch screen, an Octa-Core processor, Bluetooth 5.1, Wireless CarPlay, and Android Auto capabilities. Please read this manual thoroughly before using the product to ensure proper function and safety.



Figure 1.1: The MekedeTech M6 Pro Plus Android Car Stereo main unit, showcasing its large display and user interface.

2. Package Contents

Verify that all items listed below are included in your product package. If any items are missing or damaged, please contact customer support.

- Host Device (M6 Pro Plus Head Unit)
- Instruction Manual
- Packaging Box
- RCA Cable
- Reversing Camera (AHD rear camera)
- Fakra GPS Antenna
- Fakra 4G Antenna
- Microphone (MIC)
- USB Plug x3
- ADAS DVR Front Camera



Figure 2.1: Overview of the device's connection diagram and the items included in the package.

3. Product Features Overview

3.1 Display and Performance

The M6 Pro Plus features a **10.36-inch 2000x1200 2K IPS QLED full-fit screen** This display technology offers enhanced picture restoration and texture, providing clear visibility even under strong light and direct sunlight. The high light transmittance reduces screen reflection by up to 40%.
Powered by an **Octa-Core processor (2 cores ARM Cortex A75 + 6 cores ARM Cortex A55)** the unit operates on an Android 12 system with 8GB RAM and 256GB internal storage. The upgraded 12NM processor (UIS7862S CPU) offers faster performance and reduced heat dissipation compared to previous generations.



Figure 3.1: Details on the 12NM processor and 2K QLED display.

3.2 Connectivity

The unit integrates a **Qualcomm 3031 Bluetooth 5.1 chip**, providing low power consumption, faster transmission speeds, and a stable signal for calls and music streaming. It supports both **Wireless CarPlay and Android Auto**, allowing seamless integration with your smartphone for navigation, communication, and entertainment without cable connections.

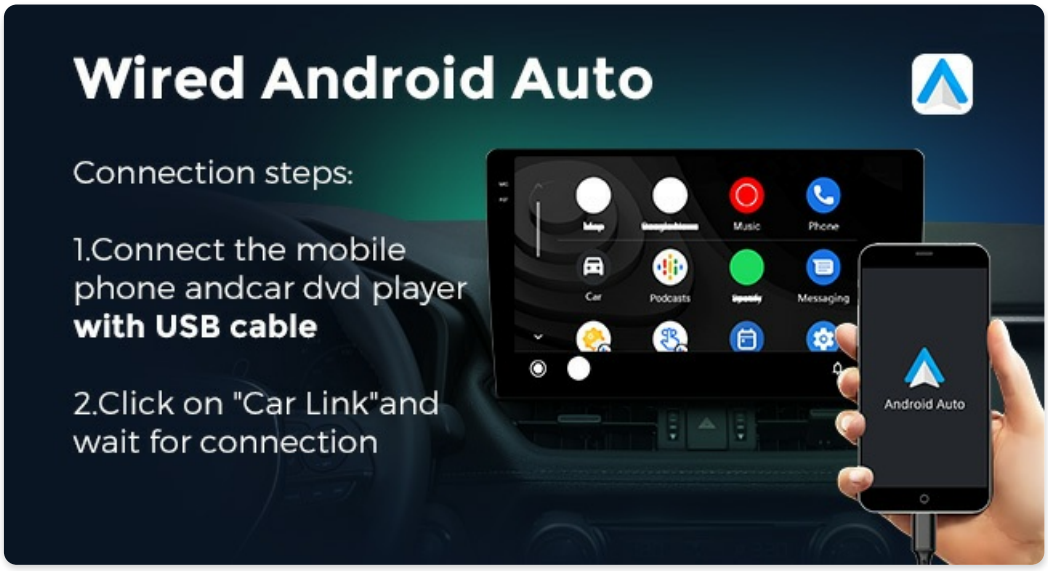


Figure 3.2: Bluetooth 5.1 performance enhancements.

3.3 Audio Features

Experience advanced audio customization with the**DSP 36-Band Equalizer**, offering precise tuning for a personalized sound experience. The system also supports **DTS 4.1/5.1 Channel Surround Sound**, delivering dynamic and immersive audio.



Figure 3.3: DSP 36-Band EQ and DTS 4.1/5.1 Channel Surround System.

3.4 Navigation and Safety

The unit features **accurate GPS positioning** with support for global positioning systems (GPS, GLONASS, BDS) and real-time traffic conditions. It also supports **ADAS DVR front camera** for anti-collision warnings and lane departure alerts, and **AHD HD reversing cameras** for clear rear-view imaging.

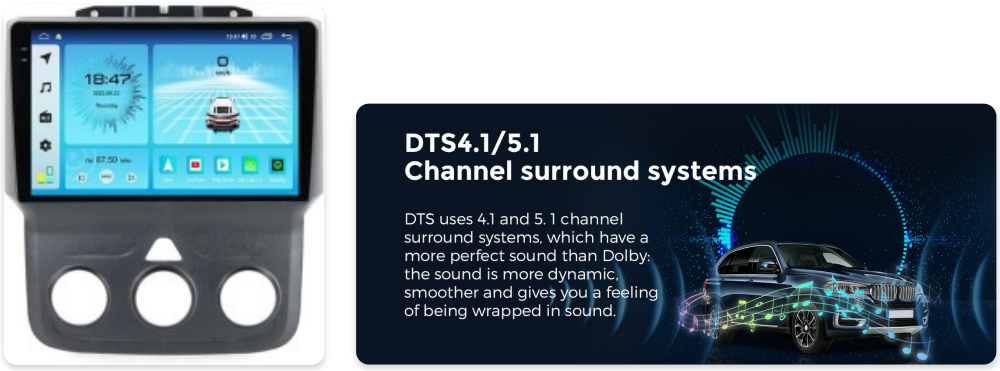


Figure 3.4: GPS navigation and ADAS/AHD camera support.

4. Setup

4.1 Installation Considerations

Professional installation is recommended for this car stereo. Ensure the vehicle's power is disconnected before beginning installation. Refer to your vehicle's specific wiring diagrams in conjunction with the provided wiring diagram for the M6 Pro Plus.
Note: Certain advanced features like HDMI input or 360-degree camera support may require additional modules or specific configurations. Please consult the manufacturer or seller for details on these optional features.

4.2 Wiring Diagram

The following diagram illustrates the main connection points on the back of the M6 Pro Plus head unit. Carefully connect all cables according to their labels and functions.

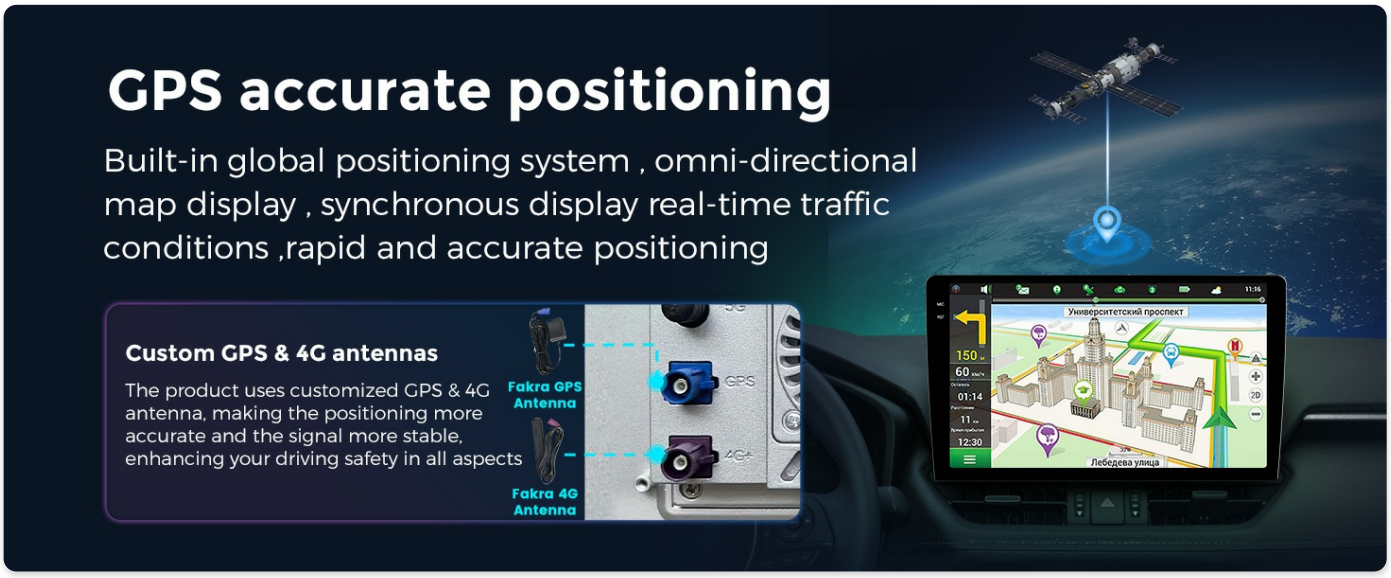


Figure 4.1: Connection diagram of the device.

- **Power Connections:** Connect the main power harness (ACC, B+, GND) to your vehicle's power system.
- **Speaker Outputs:** Connect front left/right and rear left/right speaker wires.
- **Antennas:** Connect the Fakra GPS Antenna and Fakra 4G Antenna to their respective ports.
- **USB Ports:** Utilize the provided USB cables for external devices or wired Android Auto/CarPlay.
- **Camera Inputs:** Connect the AHD rear camera and ADAS DVR front camera to their designated inputs.
- **RCA Cables:** Connect for external amplifiers, subwoofers, or AV output.
- **Microphone:** Connect the external microphone for improved voice clarity.

5. Operating Instructions

5.1 Initial Power On and System Settings

After successful installation, turn on your vehicle's ignition. The head unit will boot up. Follow the on-screen prompts for initial setup, including language selection and time zone settings.

5.2 Wireless CarPlay & Android Auto

To use Wireless CarPlay or Android Auto:

1. Ensure your smartphone's Bluetooth is enabled.
2. On the car stereo, navigate to the 'Car Link' application.
3. Connect your phone via Bluetooth to the car stereo.
4. Once connected, select 'Car Link' and wait for the CarPlay or Android Auto interface to appear.

Note: CarPlay and Android Auto can also be connected via a USB cable for a wired connection.



Figure 5.1: Wireless CarPlay and Wired Android Auto connection steps.

5.3 Voice Control

The M6 Pro Plus supports intelligent voice control for hands-free operation. Activate the voice assistant by saying a command or pressing the designated voice control button (if available on your steering wheel or the unit). You can issue commands such as "Call 911 Now," "Navigate to the airport," "Play Music," or "Turn on the radio."



Figure 5.2: Examples of voice control commands.

5.4 Radio Operation

The unit includes an FM/AM RDS radio. To operate:

1. Select the 'Radio' application from the main menu.
2. Use the on-screen controls to scan for stations or manually tune to a frequency.
3. Save your favorite stations for quick access.



Figure 5.3: FM/AM RDS Radio interface.

5.5 GPS Navigation

Access the 'Navigation' application to use the built-in GPS. The system supports various map types and provides real-time traffic information. Ensure the GPS antenna is properly installed for optimal signal reception.



Figure 5.4: GPS Navigation interface.

5.6 Audio Equalizer (DSP)

To adjust audio settings:

1. Open the 'DSP' or 'Equalizer' application.
2. Utilize the 36-band equalizer to fine-tune audio frequencies.
3. Select from various preset sound modes or create custom profiles.



Figure 5.5: DSP 36-Band Equalizer interface.

5.7 Split Screen Function

The split-screen feature allows you to run two applications simultaneously on the display. For example, you can have navigation on one side and music playback on the other. To activate, drag an app icon to one side of the screen or use the dedicated split-screen button (if available).

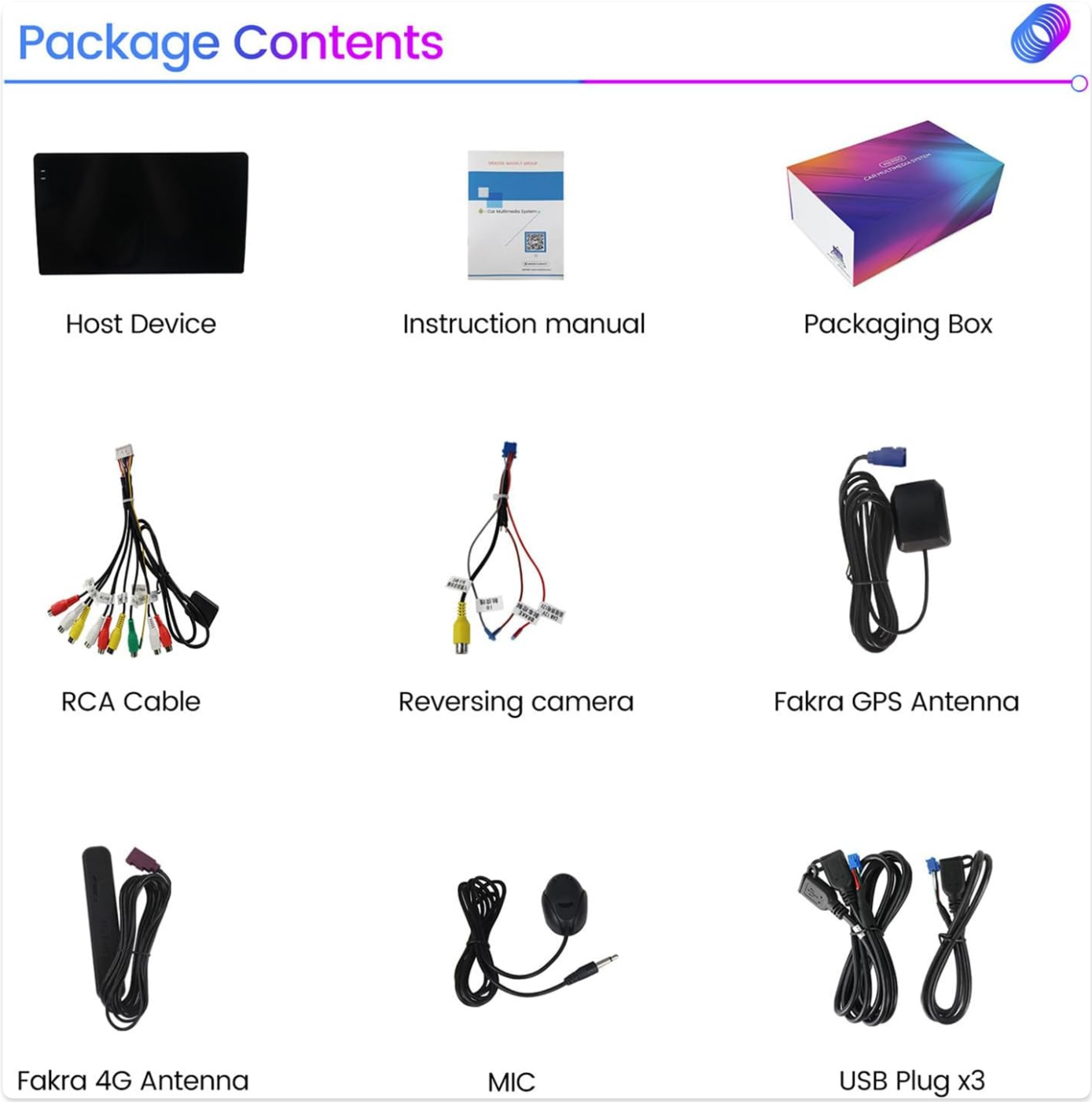


Figure 5.6: Split screen functionality.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your car stereo.

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system software updates through the unit's settings menu or the manufacturer's website to ensure you have the latest features and bug fixes.
- **Temperature:** Avoid exposing the unit to extreme temperatures for extended periods.
- **Ventilation:** Ensure the unit's ventilation areas are not blocked to prevent overheating. The unit features a built-in high-power fan for heat dissipation.



Figure 6.1: Built-in high power fan for efficient cooling.

7. Troubleshooting

If you encounter issues with your MekedeTech M6 Pro Plus, refer to the following common problems and solutions:

- **No Power:**
  - Check all power connections (ACC, B+, GND) to ensure they are secure and correctly wired.
  - Verify the vehicle's fuse for the stereo is intact.
- **No Sound:**
  - Check speaker connections.
  - Ensure the volume is not muted or set to zero.
  - Verify audio output settings in the system menu.
- **Bluetooth Connectivity Issues:**
  - Ensure Bluetooth is enabled on both the head unit and your smartphone.
  - Delete previous pairings and attempt to re-pair the devices.
  - Restart both the head unit and your phone.
- **CarPlay/Android Auto Not Connecting:**
  - For wireless, ensure Bluetooth and Wi-Fi are enabled on your phone.
  - For wired, try a different USB cable.
  - Ensure the 'Car Link' app is running on the head unit.
- **GPS Signal Loss:**
  - Ensure the GPS antenna is securely connected and placed in an unobstructed location.
  - Check GPS settings in the system menu.
- **Touch Screen Unresponsive:**
  - Perform a system restart.
  - Ensure the screen is clean and free of debris.

If these steps do not resolve the issue, please contact MekedeTech customer support for further assistance.

8. Specifications

Feature	Specification
Model Name	M6ProPlus
Operating System	Android 12
Processor	Octa-Core (2 cores ARM Cortex A75 + 6 cores ARM Cortex A55)
Memory (RAM)	8GB
Storage (ROM)	256GB
Display Size	10.36 Inches
Display Resolution	2000x1200 (2K IPS QLED)
Bluetooth Version	Bluetooth 5.1 (Qualcomm 3031 chip)
Connectivity	Wireless (Wi-Fi, Bluetooth, 4G LTE support)
Special Features	Wireless CarPlay, Wired Android Auto, Touchscreen, Voice Control, DSP 36-Band EQ, DTS 4.1/5.1 Channel Surround System
Navigation	Built-in GPS (GPS, GLONASS, BDS), Worldwide Map Type
Camera Support	ADAS DVR front camera, AHD rear camera
Audio Output Mode	Stereo
Item Weight	3.72 pounds
Package Dimensions	11.1 x 6.89 x 4.13 inches
Manufacturer	Shenzhen Mekede Technology Co.,Ltd

9. Warranty and Support

MekedeTech products are designed for reliability and performance. For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. Typically, products come with a limited warranty covering manufacturing defects.
For technical support, troubleshooting assistance, or inquiries regarding optional features, please contact MekedeTech customer service. You can often find contact details on the manufacturer's official website or through your purchase platform.

Online Resources: For additional support, firmware updates, and FAQs, visit the official MekedeTech website or the seller's support page.

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.

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