

MekedeTech M6PLUS-8+128GB-2000*1200

MekedeTech M6 Plus Android 13 Car Radio User Manual

Model: M6PLUS-8+128GB-2000*1200

Compatible with Hyundai I20 (2015-2018) Left Hand Drive

1. INTRODUCTION

The MekedeTech M6 Plus is an advanced Android 13 car radio designed specifically for Hyundai I20 (2015-2018) Left Hand Drive vehicles. This head unit features a high-resolution 2000x1200 QLED IPS touch screen, an Octa-core UIS7862S 2.0GHz processor, 8GB RAM, and 128GB internal storage. It integrates modern connectivity options such as wireless CarPlay, Android Auto, Bluetooth 5.1, and 4G LTE support, enhancing your driving experience with advanced navigation, entertainment, and communication capabilities.

2. SETUP AND INSTALLATION

This Android stereo replacement kit is designed for plug-and-play installation in compatible Hyundai I20 models. While the system is designed for ease of installation, professional installation is recommended to ensure proper wiring and functionality.

2.1 Pre-Installation Steps

1. Ensure the vehicle's ignition is off and disconnect the negative terminal of the car battery to prevent electrical shorts.
2. Carefully remove the existing factory car radio and trim panels. Refer to your vehicle's service manual for specific instructions on panel removal.

2.2 Connecting the Head Unit

1. Connect the provided wiring harness from the MekedeTech M6 Plus to the vehicle's factory wiring harness. Ensure all connections are secure.
2. Connect the GPS antenna and 4G antenna to their respective ports on the head unit. Position the antennas in a location that provides clear signal reception, away from metal obstructions.
3. If installing an ADAS DVR front camera or AHD rear camera, connect them according to their specific

instructions.

4. Carefully route all cables to avoid pinching or interference.

2.3 Mounting and Final Steps

1. Mount the MekedeTech M6 Plus head unit into the dashboard opening, securing it with the appropriate brackets and screws.
2. Reinstall any removed trim panels.
3. Reconnect the negative terminal of the car battery.
4. Turn on the vehicle's ignition and power on the head unit to test functionality.



Image: Comparison of the car dashboard before and after installing the MekedeTech M6 Plus car radio. The top image shows the new unit installed, displaying a navigation interface. The bottom left shows the original factory radio, and the bottom right shows the new unit installed with a different interface.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Basic Controls

Press and hold the power button (usually located on the front panel) to turn the unit on or off. Use the volume knob or on-screen controls to adjust audio levels. Screen brightness can be adjusted in the system settings.

3.2 Touch Screen Interface

The 2000x1200 QLED touch screen provides a responsive interface. Navigate through menus, launch applications, and control functions by tapping, swiping, and pinching gestures. The unit supports various UI display themes (UI08, UI22, UI29, UI34) which can be selected from settings to customize the appearance.

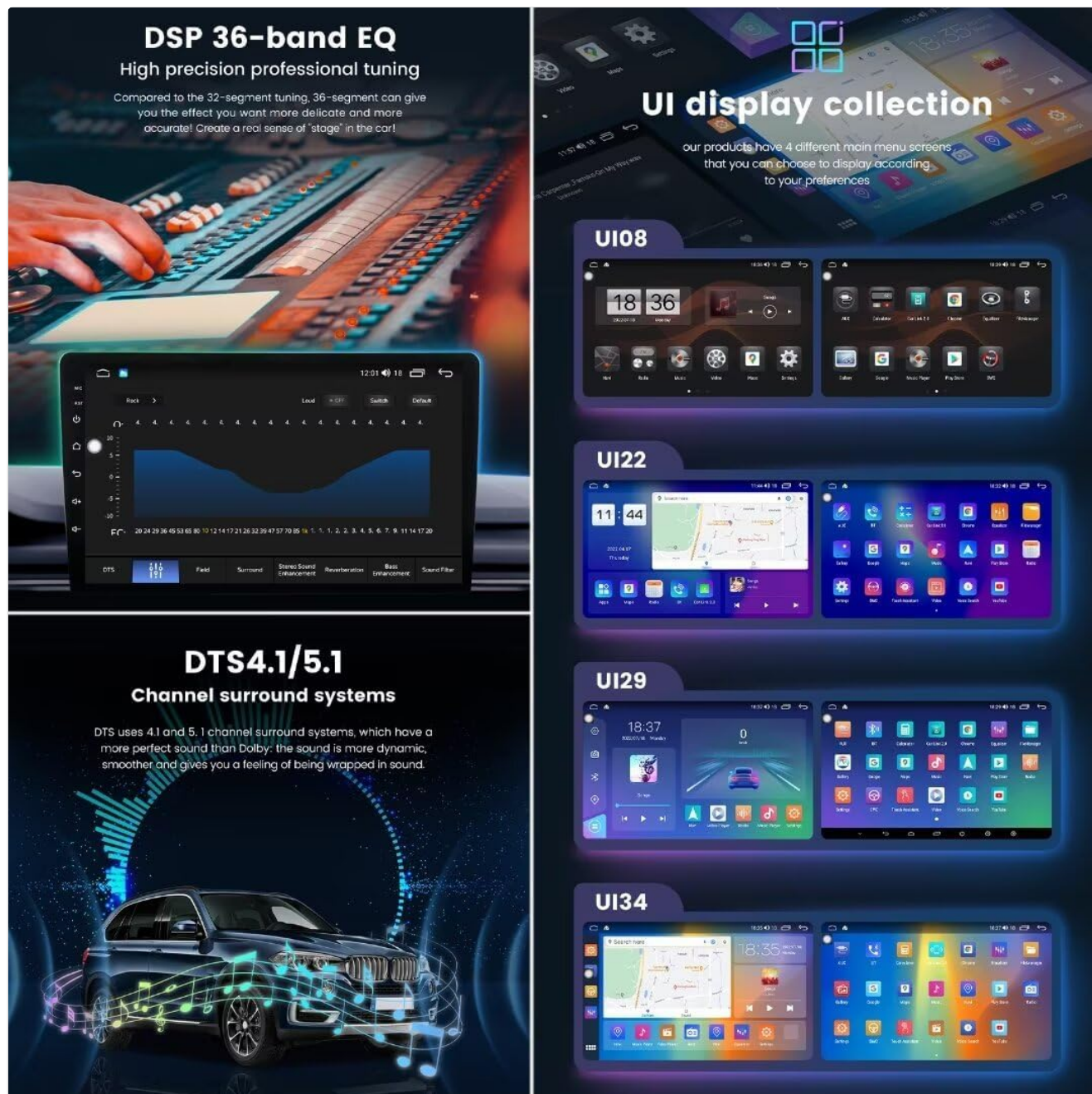


Image: A collage showing different user interface (UI) display options available on the MekedeTech M6 Plus car radio, including various home screen layouts and icon arrangements.

3.3 Wireless CarPlay and Android Auto

The M6 Plus supports both wireless CarPlay and Android Auto. To connect:

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the head unit, open the CarPlay or Android Auto application.
3. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically

establish a Wi-Fi connection for wireless CarPlay/Android Auto functionality.



Image: A split screen view demonstrating the CarPlay interface (left) and Android Auto interface (right) running on the MekedeTech M6 Plus car radio, showing typical app layouts for navigation, music, and communication.

3.4 Bluetooth 5.1 Connectivity

The unit features a Qualcomm 3031 Bluetooth 5.1 chip for stable and fast connections.

1. Go to the Bluetooth settings on the head unit.
2. Enable Bluetooth and search for available devices.
3. Select your smartphone from the list and confirm the pairing code.
4. Once connected, you can make hands-free calls, stream audio, and access phone contacts.



**Qualcomm
BT 5.1**

The new generation of Qualcomm Bt 5.1 technology, compared with Bt 5.0 lower power consumption, faster transmission speed. No delay in calls, strong anti-interference and more stable signal

5.1

5.0

Connection range
Upgraded by 50% ➡

Stability
Upgraded by 75% ➡

Transmission speed
Upgraded by 140% ➡



DSP 36-band EQ
High precision professional tuning

Compared to the 32-segment tuning, 36-segment can give you the effect you want more delicate and more accurate! Create a real sense of 'stage' in the car!

DTS4.1/5.1
Channel surround systems

DTS uses 4.1 and 5.1 channel surround systems, which have a more perfect sound than Dolby: the sound is more dynamic, smoother and gives you a feeling of being wrapped in sound.

Image: A graphic illustrating the enhanced connection range, stability, and transmission speed of Bluetooth 5.1 compared to Bluetooth 5.0. Also shown is the DSP 36-band EQ interface with various audio adjustment options.

3.5 Radio (FM/AM RDS)

Access the Radio application to tune into FM or AM stations. The unit supports RDS (Radio Data System) for displaying station information. You can manually tune, auto-scan, and save your favorite stations.

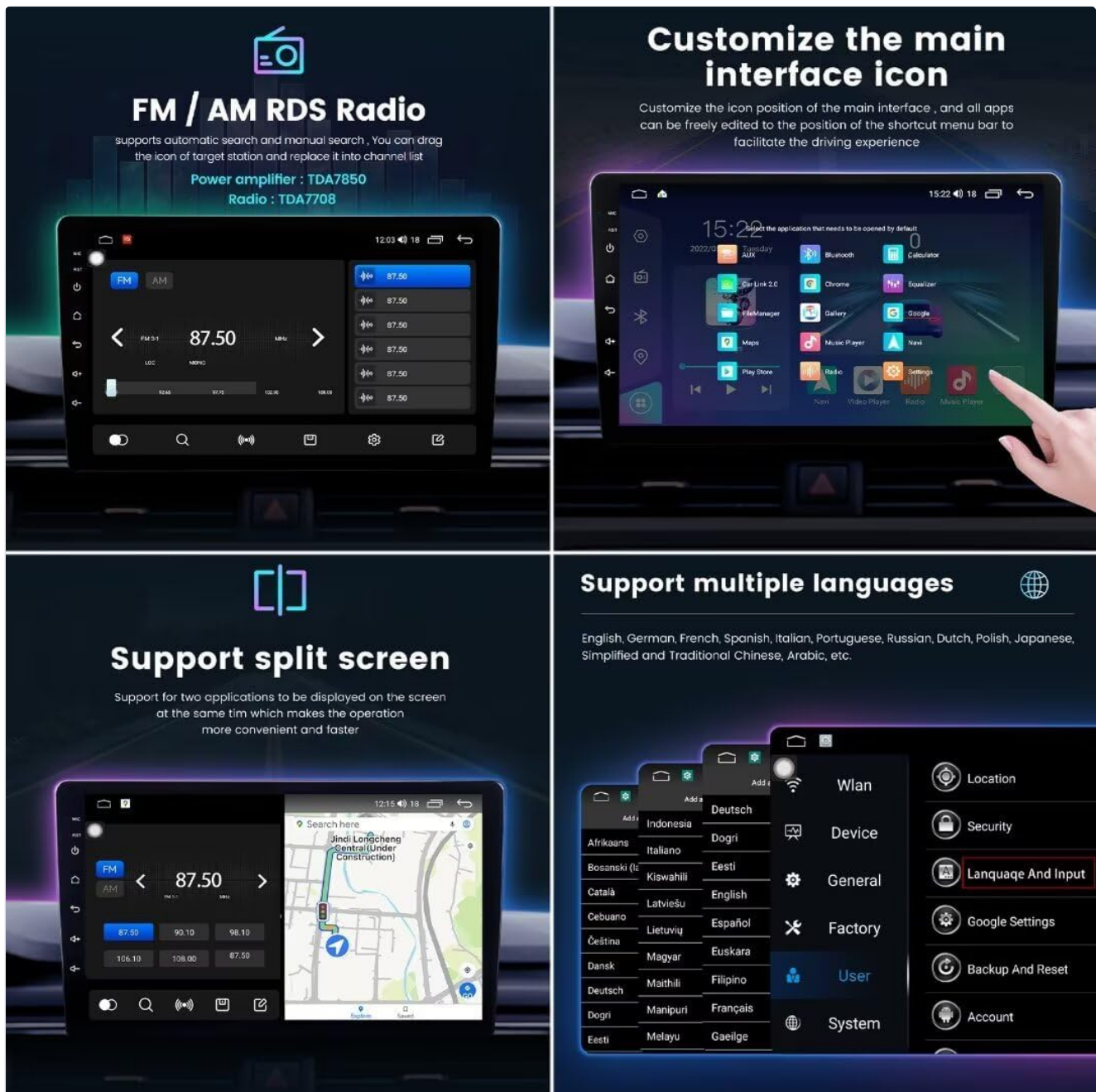


Image: A collage showing the FM/AM RDS radio interface with frequency display and station presets (top left), a customizable main interface with app icons (top right), split-screen functionality displaying two applications simultaneously (bottom left), and a multi-language support menu (bottom right).

3.6 Voice Control

The M6 Plus supports intelligent voice control for hands-free operation. Activate voice commands by saying a designated wake word or pressing a voice control button (if available). You can use commands for navigation, music playback, calls, and system functions.



Image: A diagram illustrating various voice control commands such as "Turn on the radio," "Play Music," "Navigate to the airport," and "Go Home." Also shown is the 4G connectivity feature with a SIM card slot and a visual of high-speed internet usage.

3.7 Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously, such as navigation and music playback. To activate, drag an app icon to one side of the screen or use the dedicated split-screen button in the recent apps menu.

3.8 GPS Navigation

The unit comes with a Fakra GPS antenna for accurate positioning. You can use pre-installed navigation apps or download others from the Google Play Store. Ensure the GPS antenna is properly installed for optimal signal reception.

GPS accurate positioning

Built-in global positioning system, omni-directional map display, synchronous display real-time traffic conditions, rapid and accurate positioning

GPS | GLONASS | BDS

Custom GPS & 4G antennas

The product uses customized GPS & 4G antenna, making the positioning more accurate and the signal more stable, enhancing your driving safety in all aspects

Specially designed board

The M6 Pro, M6 Pro Plus motherboard is specially designed and we have completed many detailed hardware upgrades, as you can see in the picture, this is the most powerful host configuration on the market.

M6 Pro board

M300S 500S 600S 700S board

Image: A graphic demonstrating GPS accurate positioning with real-time traffic conditions and a map display. Also shown are detailed views of the M6 Pro motherboard, highlighting components like the UIS7862S 2.0GHz 8-core processor, TDA 7850 sound amplifier, and Fakra GPS/4G antennas.

3.9 4G LTE Connectivity

Insert a compatible 4G SIM card into the designated slot to enable mobile data connectivity. This allows for online navigation, streaming, and app downloads directly on the head unit.

4. FEATURES OVERVIEW

- **High-Resolution QLED Screen:** 2000x1200 QLED full-fit screen provides excellent display effect under sunlight with high light transmittance, reducing light reflection by 40%.
- **Powerful Processor:** Equipped with a UIS7862S 2.0GHz Octa-core CPU (2 cores ARM Cortex A75 + 6 cores ARM Cortex A55) for fast and efficient performance.
- **Advanced Audio Processing:** Features DSP 36-band EQ for precise audio tuning and DTS 4.1/5.1 channel surround sound systems for an immersive audio experience.
- **Enhanced Cooling:** Built-in powerful cooling fan to manage heat and ensure stable long-term operation.

- **Optimized Antennas:** Improved Fakra GPS Antenna and Fakra 4G Antenna for reliable signal reception.
- **Expandable Connectivity:** Supports ADAS DVR front camera and AHD rear camera for enhanced safety features.
- **Customizable Interface:** Allows customization of the main interface and icon positions for a personalized user experience.
- **Multi-language Support:** Supports various languages including English, German, French, Spanish, Italian, Portuguese, Russian, Dutch, Polish, Japanese, Simplified and Traditional Chinese, Arabic, etc.



12NM processor(CPU)

Faster and less heat dissipation

The newly upgraded UIS7862S CPU, CPU frequency upgraded from 1.8GHZ to 2.0GHZ, size reduced from 14NM to 12NM, productivity increased by 3 times, but the temperature reduced by 20 degrees.

 X

 X

 X



Android 12

8CORE

4G/6G/8G
RAM

64G/128G/256G
ROM



Performance
Upgraded by 20%


Heat Dissipation
Upgraded by 50%


Productivity
Upgraded by 300%


Resolution:1280*720

The HD screen provides a high quality visual experience with more outstanding picture reproduction and image texture.

1280*720



M6 Pro(QLED)
1280*720



Full-fit screen

After the screen is fully laminated, it can still provide excellent display effect in the case of strong light or direct sunlight. Its high light transmittance can reduce the reflection of light on the display screen and improve the display effect of the screen by 40%.

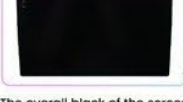
Full-fit screen



Full-fit screen
No air layer



Stronger light transmission
and clearer screen



The overall black of the screen
is purer and higher-end

Not Full-fit



Air layer in the middle
Easy to enter dust



Poor display not
clear enough



The screen is gray
not high-end

Image: A detailed graphic showcasing the 12NM Octa-core 2.0GHz processor (UIS7862S) with its performance, heat dissipation, and productivity upgrades. It also illustrates the benefits of a full-fit screen compared to a non-full-fit screen, highlighting better display quality and reduced reflection.

5. MAINTENANCE

5.1 Screen Cleaning

To clean the touch screen, power off the unit and gently wipe it with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with a screen cleaner solution designed for electronics. Avoid using harsh chemicals or

abrasive materials.

5.2 Software Updates

Periodically check for software updates provided by MekedeTech. Updates can improve performance, add new features, and fix bugs. Follow the instructions provided with the update package for proper installation.

5.3 Cooling Fan

The unit includes a built-in cooling fan. Ensure that the ventilation openings are not obstructed to allow for proper airflow and prevent overheating.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue.	Check all power connections. Verify vehicle battery voltage. Check the unit's fuse and the vehicle's fuse box.
No sound	Volume too low, mute activated, speaker wiring issue, incorrect audio output settings.	Increase volume. Check if mute is active. Verify speaker connections. Check audio settings in the system.
GPS signal loss or inaccuracy	GPS antenna improperly installed or obstructed, poor satellite reception.	Ensure GPS antenna is securely connected and placed in a clear line of sight to the sky. Move the vehicle to an open area.
Bluetooth connection issues	Phone not discoverable, incorrect pairing, interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Restart both devices.
CarPlay/Android Auto not connecting	Wi-Fi/Bluetooth issues, phone software outdated, app permissions.	Verify Wi-Fi and Bluetooth are active. Update phone OS and CarPlay/Android Auto apps. Check app permissions on your phone.
Touch screen unresponsive	System freeze, temporary software glitch.	Restart the unit. If the issue persists, perform a factory reset (note: this will erase all user data).

7. SPECIFICATIONS

Feature	Specification
Model Name	M6Plus8+128G
Operating System	Android 13
CPU	UIS7862S 2.0GHz 8-core (2 cores ARM Cortex A75 + 6 cores ARM Cortex A55)
Memory (RAM)	8GB
Storage (ROM)	128GB

Feature	Specification
Display Resolution	2000x1200
Display Type	QLED IPS Touch Screen
Bluetooth Version	BT 5.1 (Qualcomm 3031 chip)
Wi-Fi	5GHz Wi-Fi Support
Connectivity Technology	Wireless (4G LTE, Wi-Fi, Bluetooth)
Audio Processor	DSP 36-band EQ, DTS 4.1/5.1
Power Amplifier IC	TDA7850/7851
Radio IC	TDA7708 (Supports RDS)
Special Features	Wireless CarPlay, Wired Android Auto, Voice Control, Built-in Cooling Fan, Fakra GPS/4G Antennas, ADAS DVR/AHD Camera Support
Human Interface Input	Buttons, Keyboard, Microphone, Touchscreen

8. WARRANTY INFORMATION

The MekedeTech M6 Plus car radio comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact MekedeTech customer service. Refer to the contact information provided with your product packaging or visit the official MekedeTech website for support resources.

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.

Submit question