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MekedeTech DUDU5

MekedeTech DUDU5 Android Touch Screen 14.6" Upgrade User Manual

Model: DUDU5-4-64

1. Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your MekedeTech DUDU5 Android Touch Screen 14.6-inch head unit. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. Package Contents

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

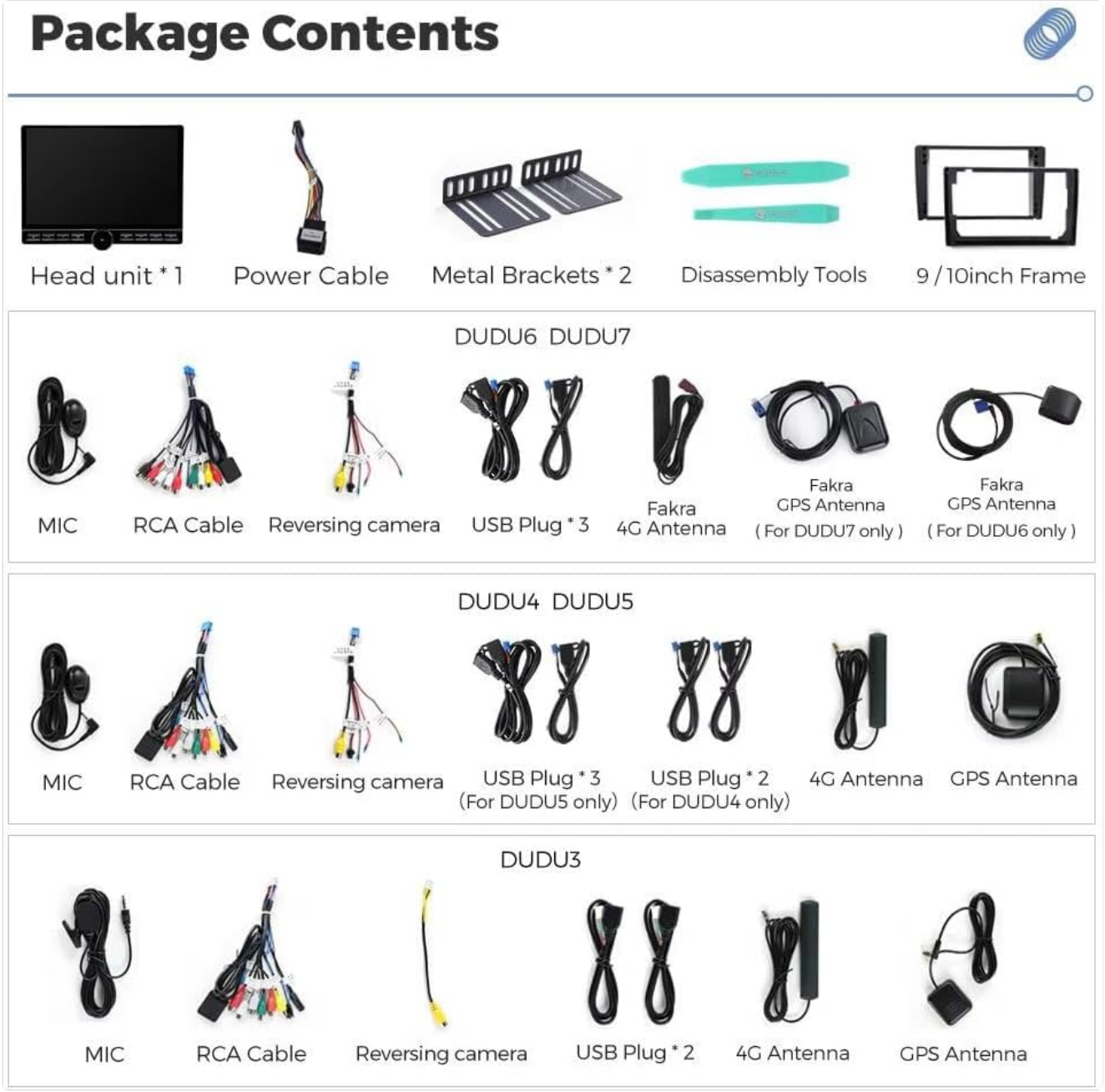


Image: Overview of the MekedeTech DUDU5 package contents, including the head unit, power cable, metal brackets, disassembly tools, frame, MIC, RCA cable, reversing camera cable, USB plugs, 4G antenna, and GPS antenna.

- Head Unit (1)
- Power Cable (1)
- Metal Brackets (2)
- Disassembly Tools (Set)
- 9/10 inch Frame (1)
- MIC (1)
- RCA Cable (1)
- Reversing Camera Cable (1)
- USB Plugs (3 for DUDU5)
- 4G Antenna (1)
- GPS Antenna (1)

3. Setup and Installation

Professional installation is recommended for this device. For vehicle-specific installation, a compatible plate trim cover and CANBUS box may be required (sold separately).

3.1 Connecting Wireless CarPlay (iOS System)

This unit supports wireless CarPlay for seamless integration with your iPhone.

1. Ensure Bluetooth is enabled on your iPhone.
2. On the DUDU5 unit, navigate to the Bluetooth settings and pair with your iPhone.
3. Once paired, open the 'Car Link' application on the DUDU5 unit.
4. The unit will automatically connect to CarPlay.

3.2 Connecting Wired Android Auto (Android System)

For Android devices, use a wired connection for Android Auto functionality.

1. Connect your Android mobile phone to the DUDU5 unit using a USB cable.
2. On the DUDU5 unit, open the 'Car Link' application.
3. The unit will establish a connection with Android Auto.



Image: Visual guide illustrating the connection steps for Wireless CarPlay (iOS) and Wired Android Auto (Android) on the DUDU5 unit.

4. Operating Instructions

4.1 Display and User Interface

The DUDU5 features a large 14.6-inch single DIN touchscreen with a 1920x1200 HD resolution, providing clear visuals and wide viewing angles. The unit runs on Android 10 with the DUDU OS 3.5 interface, offering both simple and enthusiast modes for intuitive operation.



Image: A visual representation of the DUDU5's in-cell screen, demonstrating its display capabilities. Note: The product features a 1920x1200 HD resolution.



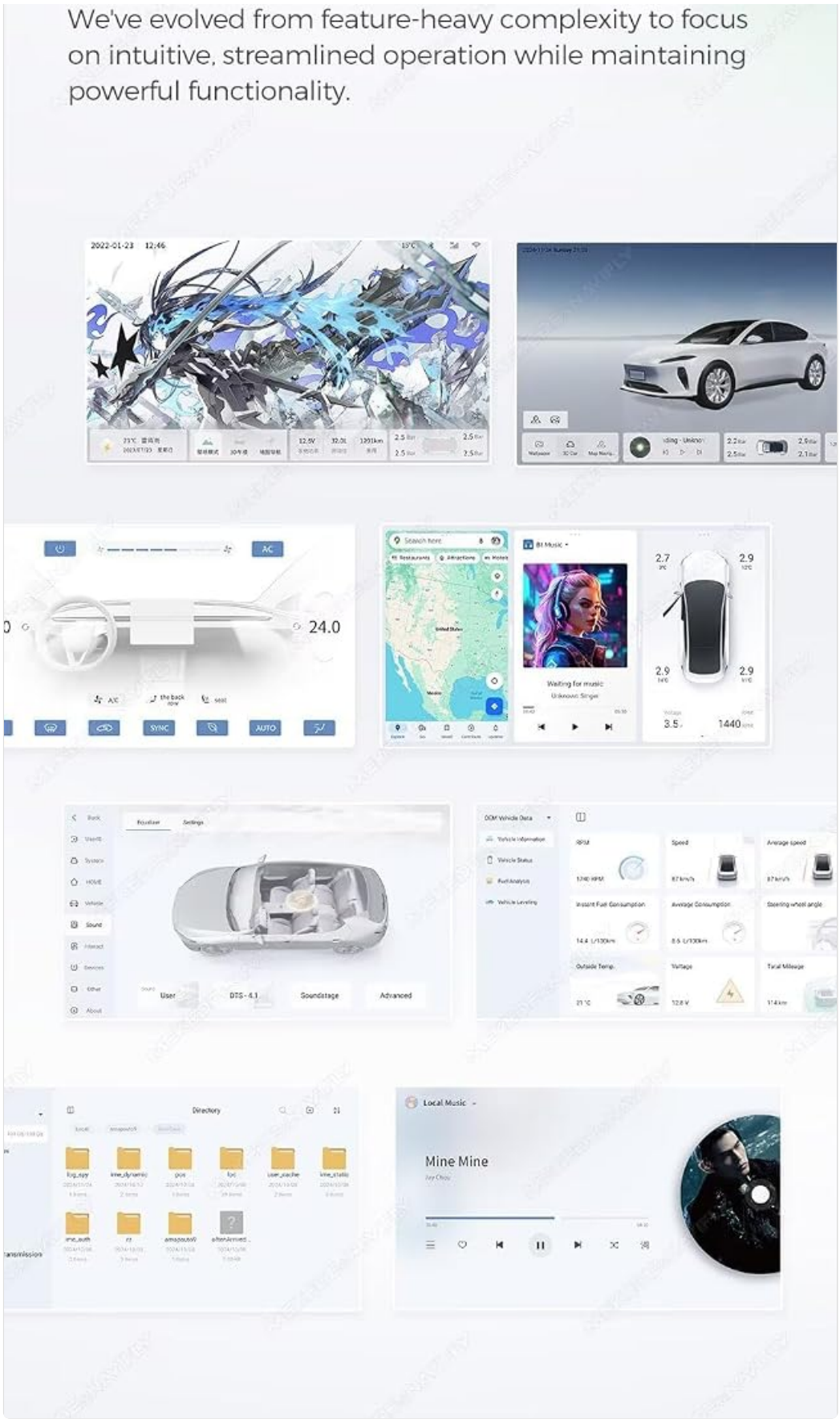


Image: Screenshots showcasing the DUDU OS 3.5 interface with various applications and display modes.

4.2 Core Performance

The DUDU5 is powered by an 8-Core UIS7862 CPU, ensuring responsive performance for navigation, multimedia, and applications.



Image: A close-up view of the UIS7862 8-Core CPU chip, highlighting the core processing unit of the DUDU5.

4.3 Connectivity

- **Bluetooth 5.0:** Equipped with a Qualcomm 3031 chip for stable, low-power, and high-speed wireless connections for calls and music streaming.
- **4G LTE & Wi-Fi:** Supports 4G internet access via a SIM card and Wi-Fi (802.11a/b/g/n/ac, including 5G Wi-Fi) for online services and updates.
- **GPS:** Features 3-mode L1 B1 E1 GPS for accurate navigation.

4.4 Audio System

The unit integrates a TDA7851 power amplifier, AK7604 DSP, and TDA7708 Radio IC for enhanced audio quality and radio reception.

5. Specifications

The following table details the technical specifications of the MekedeTech DUDU5 unit. For a comparison with other DUDU models, refer to the image below.

Image: A detailed comparison table outlining specifications for DUDU4, DUDU5, DUDU6, and DUDU7 models, including RAM/ROM, CPU, memory type, GPS, MIC, USB interface, power amplifier, DSP, Bluetooth chip, WiFi type, radio IC, and Android version.

Feature	Specification (DUDU5)
Model Name	MKD-DUDU5-4-64
Operation System	Android 10 (API=29)
CPU	8 Core UIS7862
RAM	4GB
Storage	64GB
Memory Type	eMMC 5.1
Screen Size	14.6 inches
Display Resolution	1920x1200 HD
Touch Screen Type	Capacitive
GPS	3 mode L1 B1 E1
MIC	Condenser MIC
USB Interface	USB2.0*3
Power Amplifier	TDA7851
DSP	AK7604
Bluetooth Chip	BT5.0 (Qualcomm 3031)
WiFi Type	802.11a/b/g/n/ac (Support 5G WIFI)
Radio IC	TDA7708
Work Voltage	9V~16V
CarPlay & Android Auto	Support Wired and Wireless CarPlay and Android Auto
4G LTE	Supported (external card slot)
360 Panorama	Not Supported

6. Maintenance

To ensure the longevity and optimal performance of your MekedeTech DUDU5 unit, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Dust Removal:** Regularly clean dust from the unit's vents and ports using a soft brush or compressed air.
- **Software Updates:** Periodically check for and install available software updates to ensure the system runs efficiently and securely.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.

7. Troubleshooting

If you encounter issues with your DUDU5 unit, refer to the common problems and solutions below. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, power supply issue.	Check all power connections and fuses. Ensure the vehicle's ignition is on. Consult an installer if necessary.
No sound output	Volume too low, mute activated, speaker wiring issue, incorrect audio source.	Increase volume, check mute settings. Verify speaker connections. Select the correct audio source.
CarPlay/Android Auto not connecting	Bluetooth/USB connection issue, phone settings, app not launched.	Ensure Bluetooth is on and paired (CarPlay). Check USB cable and port (Android Auto). Restart phone and unit. Confirm 'Car Link' app is open.
GPS signal lost or inaccurate	GPS antenna obstruction, poor satellite reception.	Ensure the GPS antenna has a clear view of the sky. Check antenna connection. Move to an open area.
Touchscreen unresponsive	Temporary software glitch, screen damage.	Restart the unit. If the issue persists, contact support.

8. Warranty and Support

The MekedeTech DUDU5 Android Touch Screen unit comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use.
For technical assistance, warranty claims, or any other inquiries, please contact MekedeTech customer support through the official channels provided at the time of purchase or on the MekedeTech website.
Please have your product model number (DUDU5-4-64) and proof of purchase ready when contacting support.

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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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