

MekedeTech DUDU7

MekedeTech DUDUAUTO DUDU7-12-256-9.5 9.5-inch 2K Touch Screen Car Radio Stereo Intelligent Navigation Head Unit User Manual

MODEL: DUDU7-12-256-9.5

Introduction

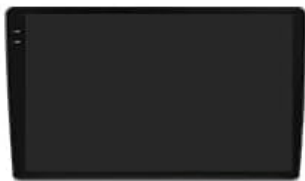
This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO DUDU7-12-256-9.5 Intelligent Navigation Head Unit. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your user experience. Keep this manual for future reference.

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.

- MekedeTech DUDUAUTO DUDU7 Head Unit (Main Machine)
- Microphone (MIC)
- RCA Cable
- Reversing Camera Cable
- Audio Out Cable
- Fakra 4G Antenna
- Fakra GPS Antenna
- USB Plug x3
- Wiring Diagram (included in documentation)
- Warranty Card

Package Contents



Machine



MIC



RCA Cable



Reversing camera



Audio Out



Fakra 4G Antenna



Fakra GPS Antenna



USB Plug x3

Figure 1: Overview of the MekedeTech DUDUAUTO DUDU7 package contents, including the head unit, microphone, various cables (RCA, reversing camera, audio out, USB), and antennas (4G, GPS).

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Video 1: Unboxing and detailed view of the MekedeTech DUDUAUTO DUDU7 package contents, demonstrating each included accessory and documentation like the wiring diagram.

Setup and Installation

Installation of the DUDUAUTO DUDU7 head unit requires technical knowledge and should ideally be performed by a qualified professional. Refer to the provided wiring diagram (shown in Video 1) for specific connections. Ensure the vehicle's power is disconnected before beginning installation.

1. **Mounting the Head Unit:** Secure the DUDU7 head unit in the designated dashboard slot. The unit is designed for a 9.5-inch display.
2. **Power Connection:** Connect the main power supply cable to the vehicle's wiring harness. Ensure correct polarity.
3. **Antenna Connections:**

- Connect the Fakra GPS Antenna for navigation functionality.
- Connect the Fakra 4G Antenna for mobile data connectivity.

4. **USB Connections:** Connect the provided USB cables to the unit's USB ports for external devices or media.

5. **Audio/Video Connections:**

- Connect the RCA Cable for auxiliary audio/video input/output.
- Connect the Reversing Camera Cable for rear-view camera integration.
- Utilize the Audio Out Cable for external amplifier connections (Optical + Coaxial, RCA 5.1 Channel Outputs).

6. **Microphone Connection:** Connect the external microphone for improved voice clarity during calls and voice commands.

7. **CANBUS/Front Camera:** If applicable, connect the CANBUS and front camera according to the vehicle's specific requirements and the wiring diagram.

Operating Instructions

The DUDUAUTO DUDU7 operates on Android 13, offering a user-friendly touch screen interface. Power on the unit by starting your vehicle or turning the ignition to the accessory position.

Basic Navigation and Interface

- **Touch Screen:** Navigate through menus and applications by tapping, swiping, and dragging on the 9.5-inch 2K touch screen.
- **Home Screen:** The main screen displays essential information and shortcuts to frequently used applications.
- **App Drawer:** Access all installed applications from the app drawer.
- **Settings:** Adjust system settings, display preferences, audio, network, and more through the Settings menu.

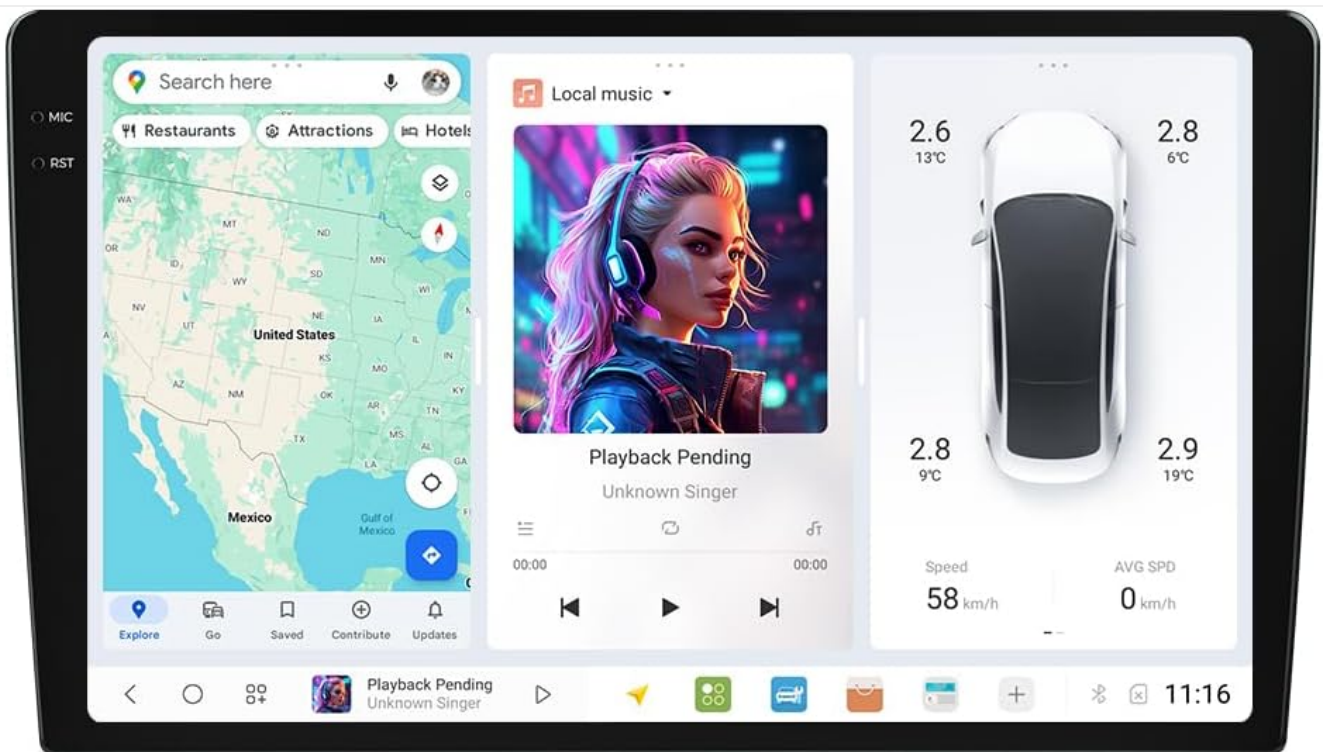


Figure 2: The DUDUAUTO DUDU7 main user interface, featuring a split-screen view with navigation, media playback, and vehicle data.

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Video 2: Demonstration of the DUDUAUTO DUDU7's minimalist user interface mode, showcasing app switching, window resizing, and navigation integration.

Connectivity Features

- **Wireless/Wired CarPlay & Android Auto:** Connect your smartphone for seamless integration of navigation, music, calls, and messages. Follow the on-screen prompts for initial setup.
- **Bluetooth 5.0:** Pair your mobile device via Bluetooth for hands-free calling and audio streaming. The Qualcomm 3031 chip ensures stable connection and high-quality audio with aptX HD support.
- **Wi-Fi & 4G:** Connect to a Wi-Fi hotspot or insert a 4G SIM card (if supported by your model) for internet access, app downloads, and online services.
- **GPS Navigation:** Utilize the built-in Dual Band 6-mode GPS (L1+L5, B1, B2a, E1, E5a) for precise and fast positioning. Pre-installed navigation apps or downloaded alternatives can be used.



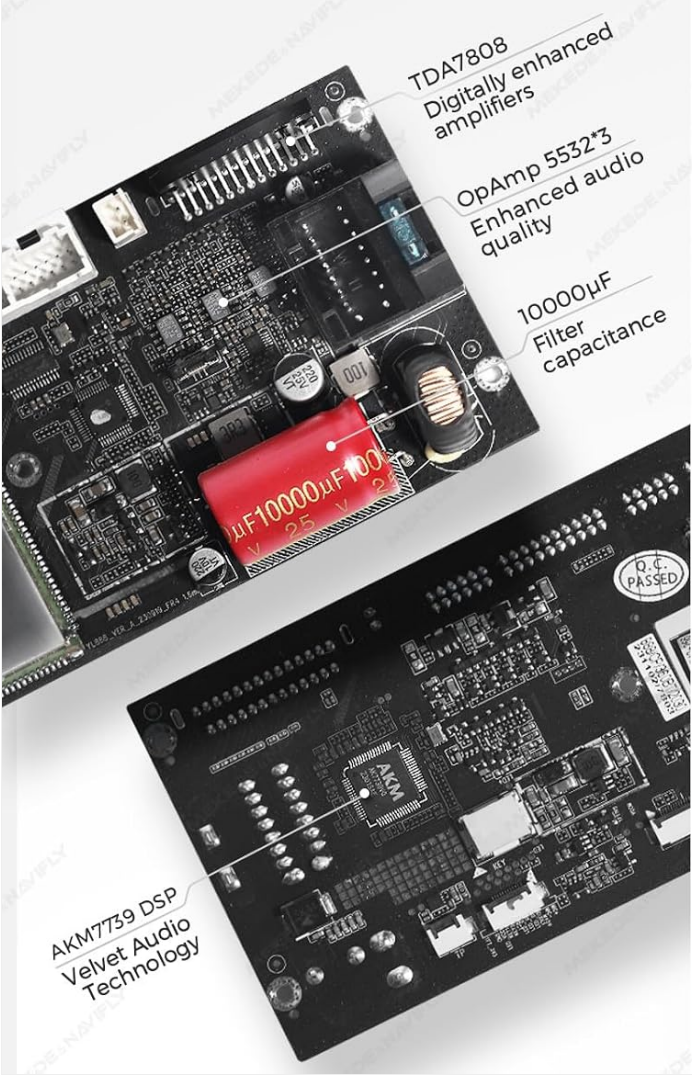
Figure 3: Explanation of Dual Band GPS for enhanced positioning accuracy and the Digital Noise Cancelling Microphone for clear voice transmission.

Audio Features

- **DSP (Digital Sound Processor):** The AKM7739 Velvet Audio Technology provides advanced sound processing for a rich and immersive audio experience. Adjust equalizer settings and sound profiles to your preference.
- **Power Amplifier:** The TDA7808 Digital AB type power amplifier ensures clear and powerful audio output.
- **Audio Output:** Supports Optical + Coaxial and RCA 5.1 Channel Outputs for flexible audio system integration.

Choosing reputation audio chip

in an industry-wide



AKM7739 DSP Velvet Audio Technology

Support "VELVET SOUND" +DTS5.1 panoramic sound+ sound correction system, reproduces a natural, comfortable, sense of presence acoustic experience.



VELVET SOUND

VELVET SOUND 

VELVET SOUND - AKM advanced audio processing technology, based on the original sound reproduction product concept, explores the limits of audio technology, and presents all sound details without reservation, creating a "like, immersive" sound world.

Figure 4: Internal components highlighting the AKM7739 DSP and TDA7808 amplifier for superior audio quality.

Specifications

The following table outlines the key technical specifications for the MekedeTech DUDUAUTO DUDU7-12-256-9.5 head unit:

Feature	Specification
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Feature	Specification
Model	DUDU7-12-256-9.5
Operating System	Android 13
CPU	8 Core UIS7870 Customized version A76 2.7Ghz 6nm processor
Memory (RAM)	12GB
Storage (ROM)	256GB (UFS 3.1)
Display Size	9.5 Inches
Display Resolution	2000x1200 (2K)
Touch Screen Type	Capacitive
GPS	Dual Band 6 mode (L1 L5 B1 B2a E1 E5a)
Microphone	Digital Noise Cancellation Microphone
USB Ports	USB 3.2 GEN1*1 (Type-C), USB 2.0*3
Power Amplifier	TDA7808 Digital AB type
DSP	AKM7739 Velvet Audio Technology
Bluetooth Chip	Qualcomm 3031 (Supports aptX HD protocol, BT5.0)
Audio Output	Optical + Coaxial, RCA 5.1 Channel Outputs
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
360 Panorama	Support 360 panoramic image system

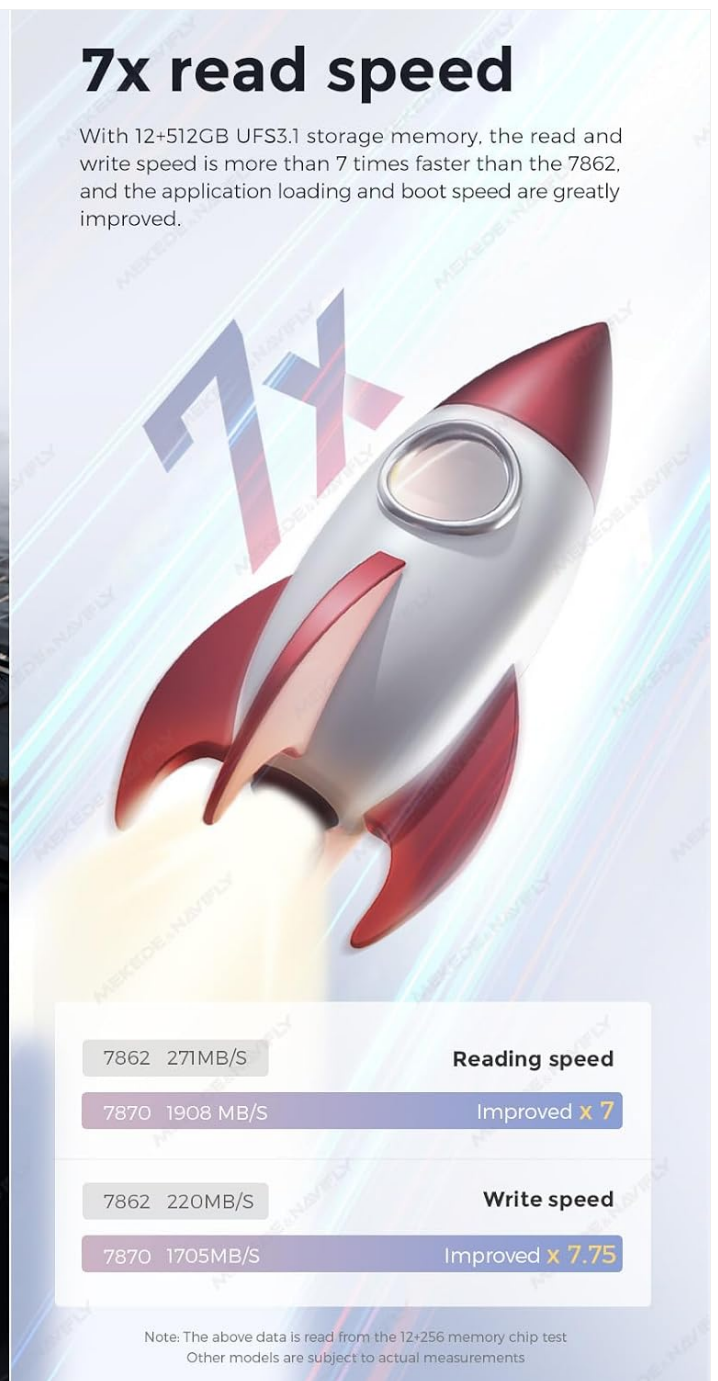
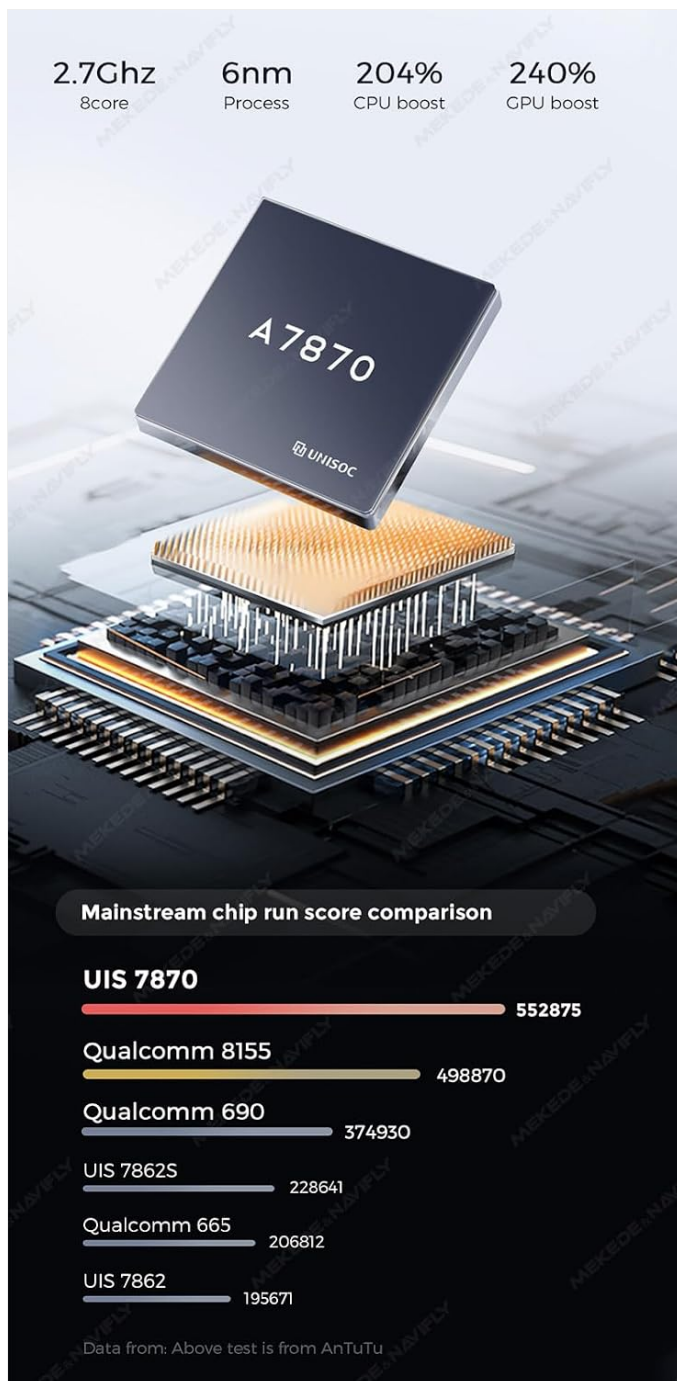
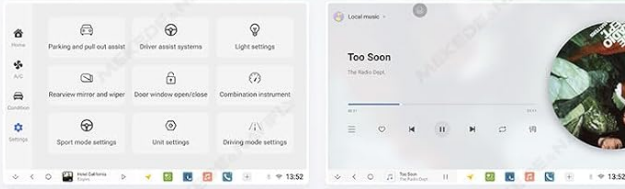
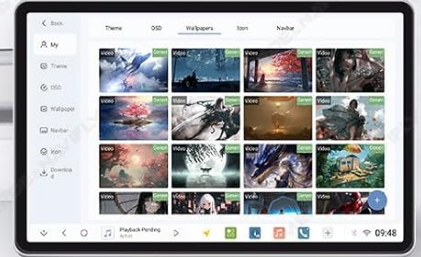


Figure 5: Performance comparison of the UIS7870 CPU and UFS 3.1 memory, highlighting speed improvements.

DUDU OS 3.0



New custom dynamic wallpaper



Daytime



dark mode

Night



Figure 6: Overview of DUDU OS 3.0 features, including dynamic wallpapers and various display settings.

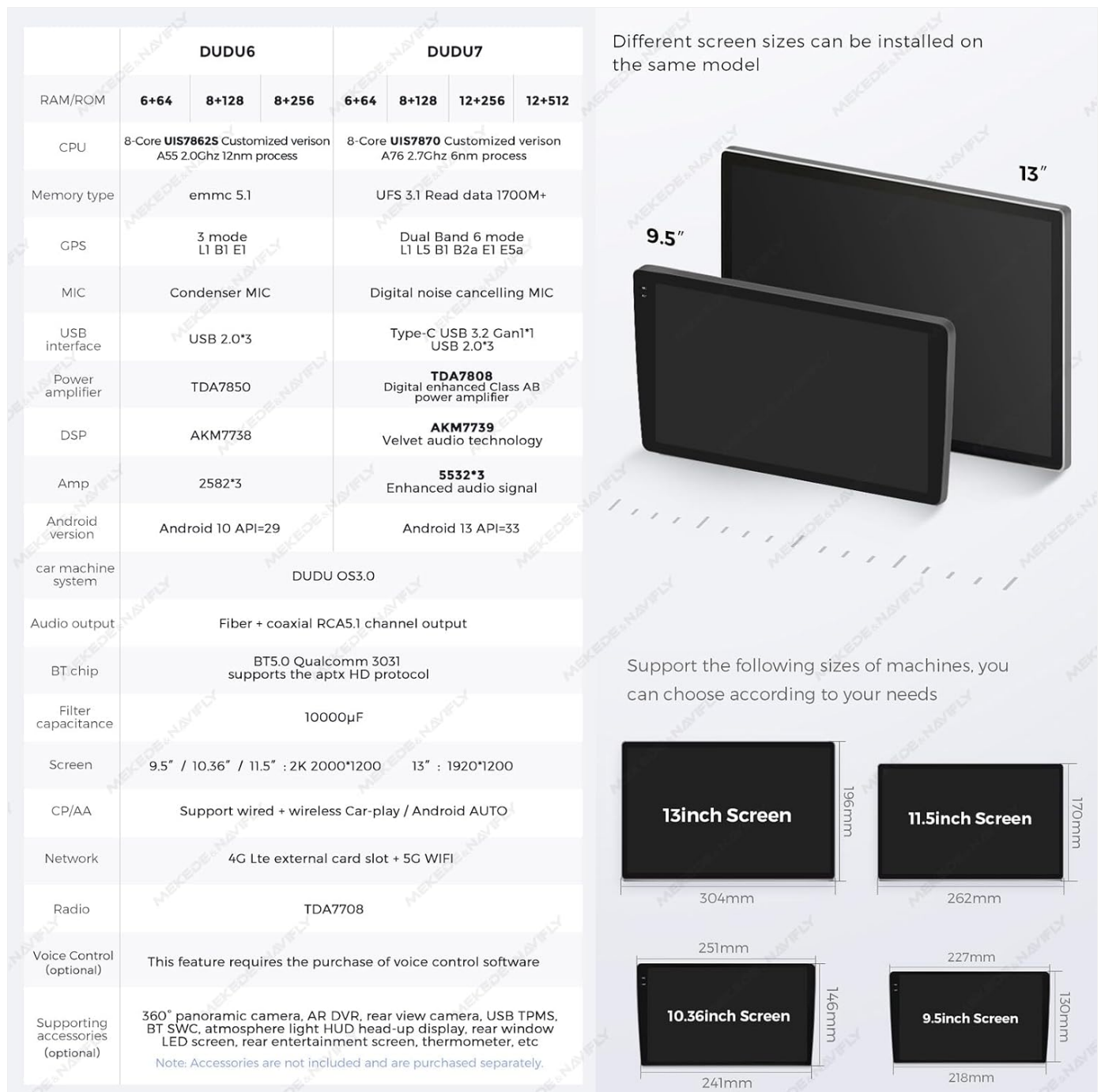


Figure 7: Comparison of DUDU6 and DUDU7 models, detailing specifications and available screen sizes.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DUDUAUTO DUDU7 head unit.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Avoid abrasive cleaners or solvents that may damage the display.
- **Software Updates:** Periodically check for system updates via the OTA (Over-The-Air) update feature to ensure you have the latest features and security patches.
- **Ventilation:** Ensure the unit's cooling fan and vents are not obstructed to prevent overheating.
- **Cable Connections:** Occasionally check all cable connections to ensure they are secure and free from damage.

Troubleshooting

If you encounter issues with your DUDUAUTO DUDU7, refer to the following common troubleshooting steps:

- **Unit Not Powering On:**

- Check the power cable connections to ensure they are securely attached.
- Verify the vehicle's ignition is on or in accessory mode.
- Inspect the vehicle's fuse box for any blown fuses related to the car stereo.

- **No Sound Output:**

- Ensure the volume is not muted or set to a very low level.
- Check all audio cable connections (RCA, speaker wires).
- Verify the correct audio source is selected in the unit's settings.

- **GPS Signal Issues:**

- Ensure the GPS antenna is properly connected and has a clear line of sight to the sky.
- Move the vehicle to an open area away from tall buildings or dense foliage.

- **Bluetooth Connectivity Problems:**

- Ensure Bluetooth is enabled on both the head unit and your mobile device.
- Delete previous pairings and attempt to re-pair the devices.
- Restart both the head unit and your mobile device.

- **Touch Screen Unresponsive:**

- Perform a soft reset of the unit (refer to the device's specific reset procedure, often a small reset button).
- Ensure the screen is clean and free from debris.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact MekedeTech customer support.

Warranty and Support

Your MekedeTech DUDUAUTO DUDU7 head unit comes with a warranty. Please refer to the included Warranty Card for detailed terms and conditions, including coverage period and exclusions.

Warranty Precautions:

- The warranty does not cover non-product components or damage beyond the warranty period.
- Damage due to improper use, maintenance, storage, or unauthorized modifications may void the warranty.
- Damage caused by natural disasters (e.g., lightning, flood) or external factors beyond normal use are not covered.
- The product is not warranted if used for purposes other than its intended design or with third-party software.
- Computer virus infection or unauthorized performance upgrades may result in the product not working properly and are not covered.

For technical support, warranty claims, or further assistance, please contact MekedeTech customer service. You may find contact information on the Warranty Card or the official MekedeTech website.

Seller: Mekedetech ([View Seller Profile](#))

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