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› MekedeTech DUDUAUTO DUDU7 Car Radio Stereo Intelligent Navigation Head Unit User Manual

MekedeTech DUDU7-8-128-9.5

MekedeTech DUDUAUTO DUDU7 Car Radio Stereo Intelligent Navigation Head Unit User Manual

Model: DUDU7-8-128-9.5 | Brand: MekedeTech

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO DUDU7 9.5-inch 2K Touch Screen Car Radio Stereo Intelligent Navigation Head Unit. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

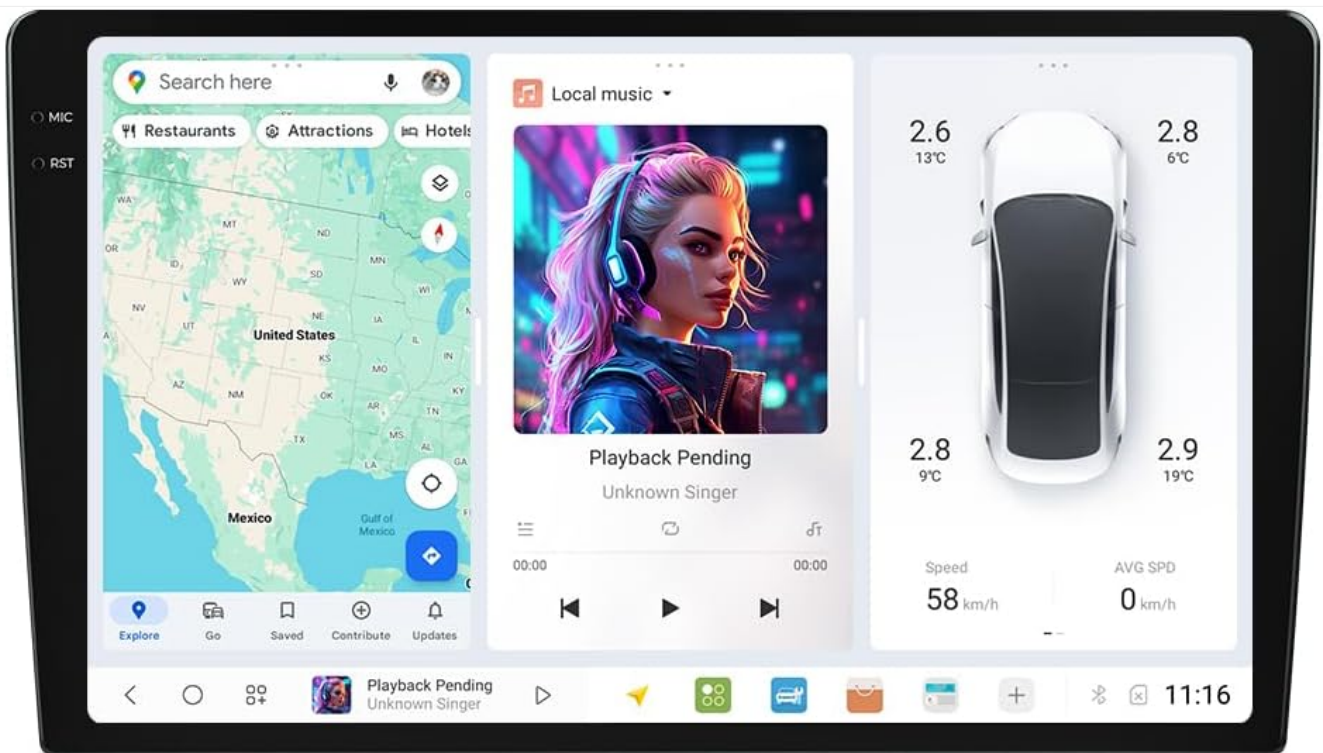


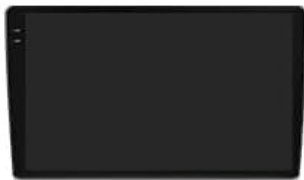
Figure 1: Front view of the DUDUAUTO DUDU7 Head Unit displaying its user interface.

PACKAGE CONTENTS

Verify that all items listed below are included in your product package:

- 9.5 inch Touch Screen Head Unit
- ISO Power Harness
- Mounting Brackets
- RCA Harness
- Reverse Cable
- USB Cables (x3)
- Microphone

Package Contents



Machine



MIC



RCA Cable



Reversing camera



Audio Out



Fakra 4G Antenna



Fakra GPS Antenna



USB Plug x3

Figure 2: Overview of the DUDUAUTO DUDU7 package contents, including the head unit, various cables, and accessories.

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Video 1: An unboxing video demonstrating the contents of the DUDUAUTO DUDU7 package, showing the main unit and all included accessories.

PRODUCT FEATURES

Display and Performance

The DUDUAUTO DUDU7 features a 9.5-inch 2K (2000x1200) high-resolution QLED display. It is powered by an 8-Core Unisoc UIS7870 chipset and includes 8GB RAM and 128GB ROM, providing fast and responsive performance. The UFS 3.1 memory type ensures rapid data read speeds, enhancing application loading and boot times.

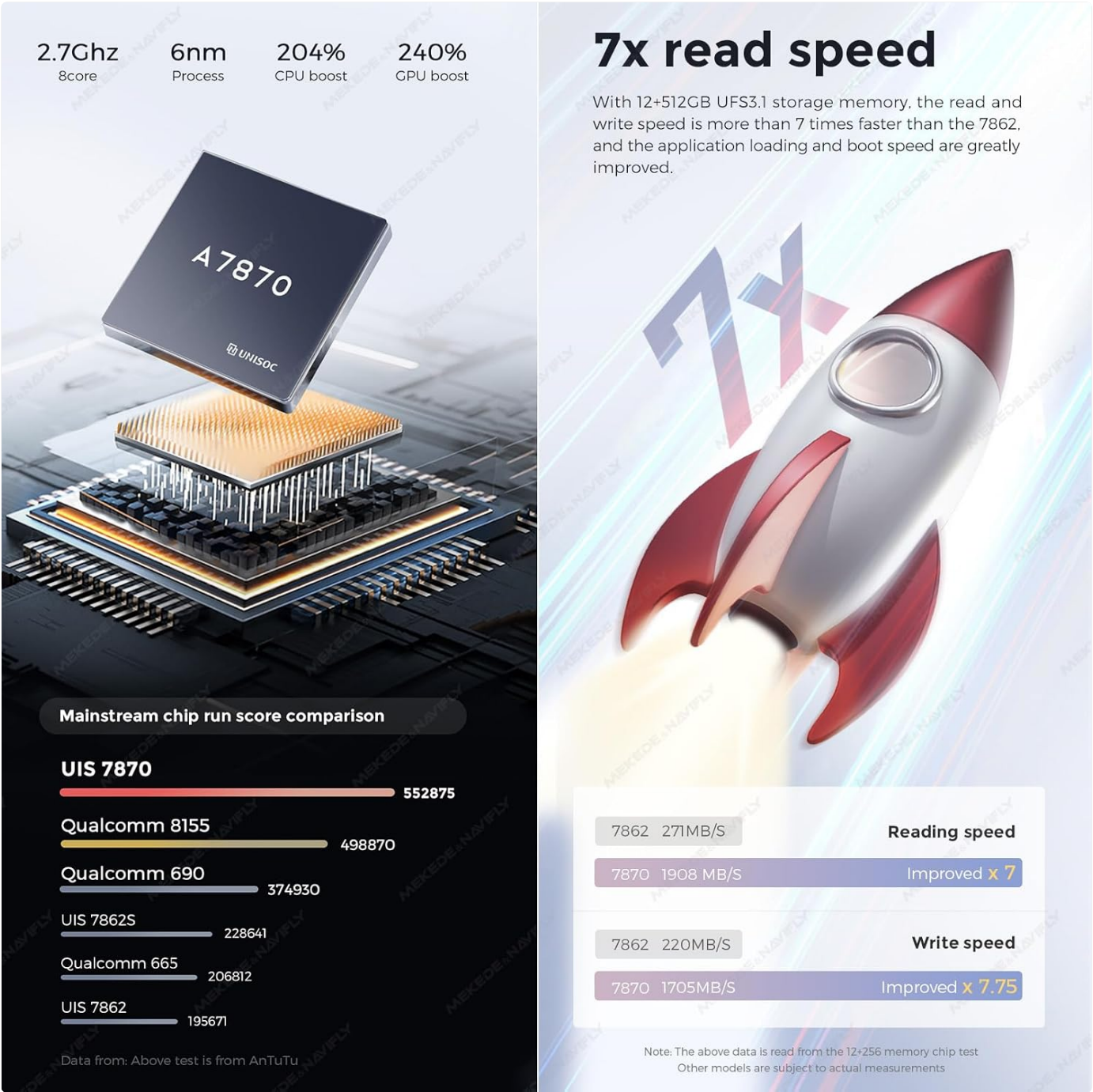
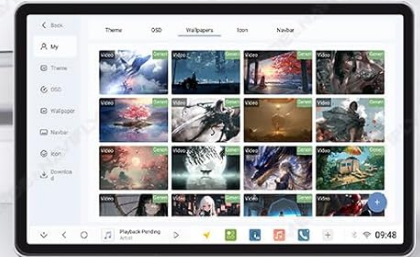
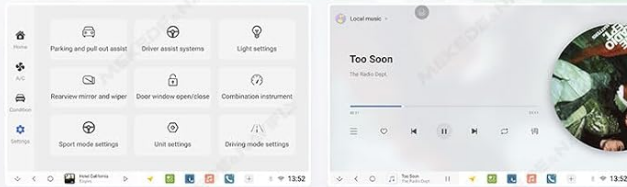


Figure 3: Performance comparison highlighting the Unisoc UIS7870 chipset's capabilities, including 7x faster read speed compared to previous models.

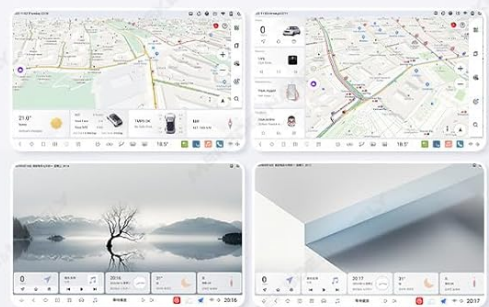
DUDU OS 3.0

New custom dynamic wallpaper



Daytime

light mode



dark mode

Night



Figure 4: Visual representation of the DUDU OS 3.0 user interface, showcasing dynamic wallpaper options and a clean layout.

Connectivity

The head unit supports both wireless and wired CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, calls, music, and messaging. It features a premium Qualcomm 3031 Bluetooth 5.0 chip for ultra-low power consumption, fast data transmission, clear calls, and stable signal connection. The unit also supports 5G Wi-Fi (802.11a/b/g/n/ac) for high-speed internet access.

Navigation

Equipped with an advanced 6-mode positioning chip and L1+L5 dual-frequency GPS technology, the system provides rapid satellite acquisition and precise positioning accuracy within 1 meter, enabling lane-level navigation.



Figure 5: Illustration of the Dual Band GPS L1+L5 technology, demonstrating enhanced positioning accuracy and signal reliability.

Audio Quality and Microphone

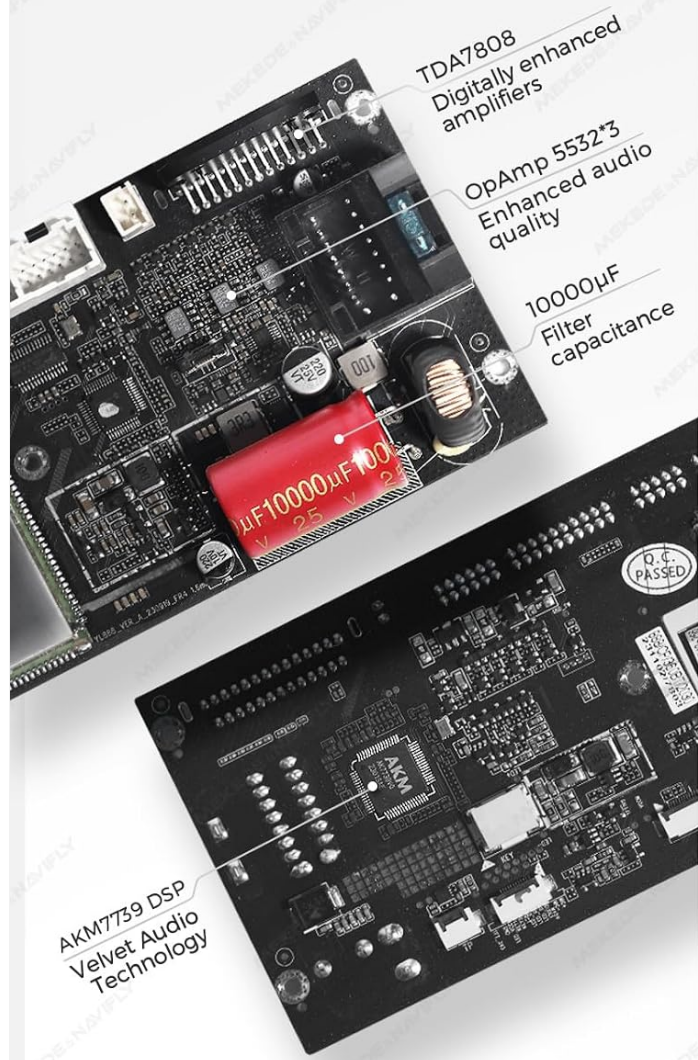
The DUDU7 incorporates a TDA7808 Digital AB type power amplifier and AKM7739 Velvet Audio Technology for superior sound quality, supporting 5.1 channel outputs via Optical, Coaxial, and RCA. For communication, an advanced digital noise-cancelling microphone with HD voice technology and intelligent audio algorithms ensures clear calls by effectively eliminating background noise, even at high speeds.

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 - 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 6: Detailed view of the AKM7739 DSP Velvet Audio Technology, highlighting components that contribute to high-fidelity audio output.

SETUP AND INSTALLATION

Installation of the DUDUAUTO DUDU7 head unit requires careful attention to wiring and vehicle compatibility. For vehicle-specific installations, a compatible plate trim cover and CANBUS box may be required and are sold separately. It is recommended to consult a professional for installation if you are unfamiliar with car audio systems.

Wiring Connections

Refer to the provided wiring diagram for correct connections of the ISO power harness, RCA harness, reverse cable, USB cables, and microphone. Ensure all connections are secure to prevent malfunction.

360 Camera System

The head unit has a built-in 360° backup camera chip. To utilize the 360 panoramic image system, an additional 360 chip and cameras are required and sold separately.

OPERATING INSTRUCTIONS

The DUDUAUTO DUDU7 operates on Android 13, offering a user-friendly interface. The system supports a minimalist UI mode for simplified desktop operation and allows for flexible window management, including resizing and switching applications.

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Video 2: A demonstration of the DUDUAUTO DUDU7's user interface, showcasing the minimalist mode, app switching, and window resizing functionalities.

Basic Navigation

- **Home Screen:** Access frequently used apps and widgets directly.
- **App Drawer:** Swipe up or tap the app icon to view all installed applications.
- **Split Screen Mode:** Long-press the window header to switch applications or drag the middle of the window to adjust its size, allowing two applications to be viewed simultaneously.

Sound Settings

Access the sound settings to adjust equalizer presets, DTS sound effects (4.1/5.1 channel, music, vocals, cinema), and advanced settings like focus and bass boost. You can also configure navigation audio mix ratio and reverse mix ratio.

Vehicle Settings (CANBUS)

If a compatible CANBUS box is installed, access vehicle settings to configure features such as door light status display, driver door position, and reverse camera settings. Ensure the correct CANBUS model is selected for your vehicle.

MAINTENANCE

To ensure the longevity and optimal performance of your DUDUAUTO DUDU7 head unit, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Regularly check for and install official software updates to ensure system stability and access new features.
- **Temperature:** Avoid exposing the unit to extreme temperatures, as this can affect performance and lifespan.
- **Power Management:** Ensure proper power supply (9V~16V) and avoid sudden power interruptions.

TROUBLESHOOTING

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

- **No Power:** Check all power connections and ensure the vehicle's ignition is on. Verify the working voltage is within the specified range (9V~16V).
- **No Sound:** Check speaker connections, audio output settings (Optical, Coaxial, RCA), and volume levels. Ensure the correct audio source is selected.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky. Verify GPS settings in the unit.
- **Bluetooth/Wi-Fi Connectivity:** Check Bluetooth and Wi-Fi settings, ensure devices are discoverable, and try restarting the unit.
- **System Unresponsive:** Perform a system reboot. If the issue persists, a factory reset may be necessary (note: this will erase user data).

For persistent issues or complex problems, contact MekedeTech customer support for assistance.

SPECIFICATIONS

Feature	Specification
Operation System	Android 13
CPU	8 Core UIS7870 Customized version A76 2.7Ghz 6nm processor
Memory Type	UFS 3.1 Read data 1700M+
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	Yes (requires additional 360 chip and cameras)
Screen Size	9.5 Inches
Display Resolution	2000x1200
Display Technology	QLED
Item Weight	3.85 pounds
Manufacturer	Shenzhen Mekede Technology Co.,Ltd

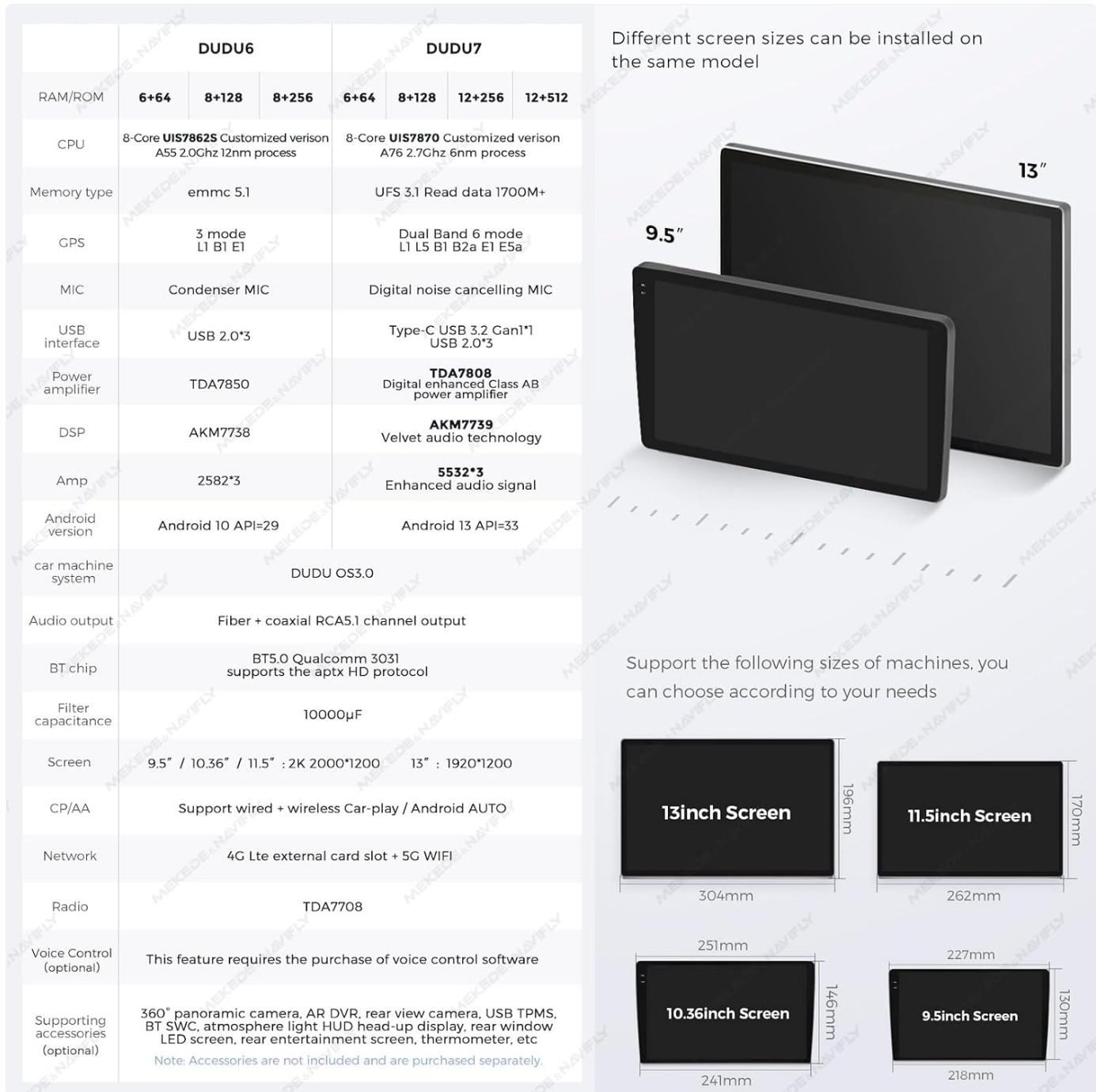


Figure 7: A detailed comparison table outlining specifications for DUDU6 and DUDU7 models, including available screen sizes and core features.

WARRANTY AND SUPPORT

MekedeTech provides a warranty for this product. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact MekedeTech customer service through their official channels. Keep your purchase receipt and product serial number readily available when seeking support.

For more information, visit the [MekedeTech Store on Amazon](#).

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