

[Manuals.plus](#) /
› [MekedeTech](#) /
› MekedeTech DUDUAUTO DUDU7 2000X1200 10.36 inch 2K Touch Screen Car Radio Stereo Intelligent Navigation Head Unit User Manual

MekedeTech MKD-DUDU7-8-128-10.36

MekedeTech DUDUAUTO DUDU7 Car Multimedia Head Unit User Manual

MODEL: MKD-DUDU7-8-128-10.36

Brand: MekedeTech

INTRODUCTION

This manual provides comprehensive instructions for the MekedeTech DUDUAUTO DUDU7 Car Multimedia Head Unit. The DUDU7 is an advanced intelligent navigation head unit featuring a 10.36-inch 2K touch screen, 8GB RAM, and 128GB ROM. It operates on Android 13 and supports 360-degree camera systems. Key features include wireless and wired CarPlay/Android Auto, premium Bluetooth 5.0, dual-band GPS navigation, and advanced digital noise-canceling microphone technology for clear communication.

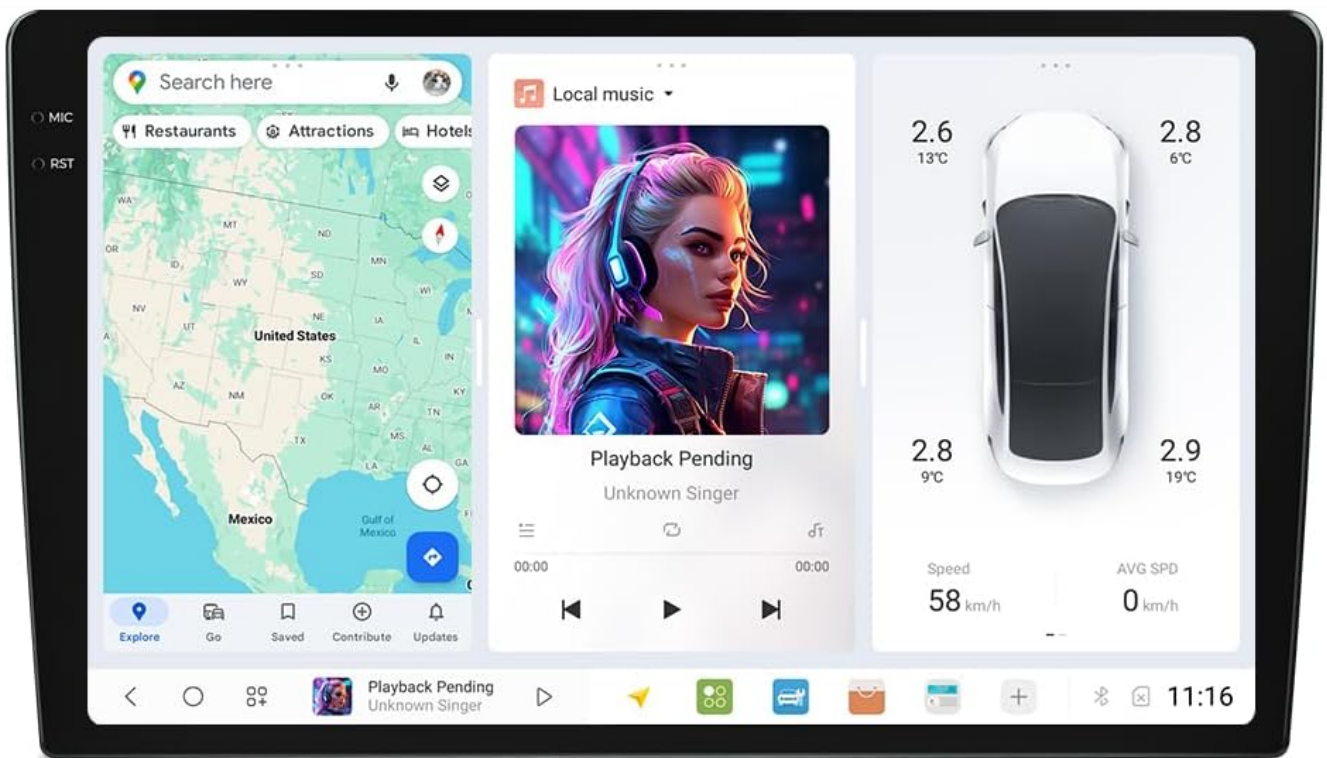


Figure 1: Main display of the MekedeTech DUDU7 Car Multimedia Head Unit, showing navigation, music, and vehicle information.

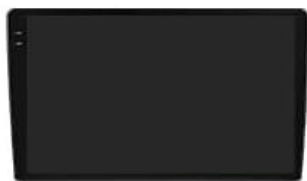
SETUP AND INSTALLATION

Before beginning installation, ensure your vehicle is compatible and that you have all necessary components. For vehicle-specific installations, a compatible plate trim cover and CANBUS box may be required and are sold separately.

Package Contents

- 10.36 inch Touch Screen Head Unit
- ISO power harness
- 2 mounting brackets
- RCA Harness
- Reverse cable
- 3 USB cables
- 4G Antenna
- GPS antenna

Package Contents



Machine



MIC



RCA Cable



Reversing camera



Audio Out



Fakra 4G Antenna



Fakra GPS Antenna



USB Plug x3

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

Unboxing and Initial Inspection

The following video demonstrates the unboxing process and provides a visual guide to the included components and the head unit's physical features.

Your browser does not support the video tag.

Video 1: Unboxing and overview of the MekedeTech DUDU7 head unit and its accessories. This video details what is included in the package and shows the initial boot-up sequence of the device.

Wiring and Connections

Refer to the included wiring diagram for detailed connection instructions. Ensure all cables are securely connected to their respective ports. The head unit features multiple USB ports (USB 3.2 GEN1 Type-C and USB 2.0), optical and coaxial audio outputs, and dedicated inputs for 360-degree panoramic image systems and reverse cameras.

	DUDU6			DUDU7			
RAM/ROM	6+64	8+128	8+256	6+64	8+128	12+256	12+512
CPU	8-Core UIS7862S Customized version A55 2.0Ghz 12nm process			8-Core UIS7870 Customized version A76 2.7Ghz 6nm process			
Memory type	emmc 5.1			UFS 3.1 Read data 1700M+			
GPS	3 mode L1 B1 E1			Dual Band 6 mode L1 L5 B1 B2a E1 E5a			
MIC	Condenser MIC			Digital noise cancelling MIC			
USB interface	USB 2.0*3			Type-C USB 3.2 Gan1*1 USB 2.0*3			
Power amplifier	TDA7850			TDA7808 Digital enhanced Class AB power amplifier			
DSP	AKM7738			AKM7739 Velvet audio technology			
Amp	2582*3			5532*3 Enhanced audio signal			
Android version	Android 10 API=29			Android 13 API=33			
car machine system	DUDU OS3.0						
Audio output	Fiber + coaxial RCA5.1 channel output						
BT chip	BT5.0 Qualcomm 3031 supports the aptx HD protocol						
Filter capacitance	10000μF						
Screen	9.5" / 10.36" / 11.5" : 2K 2000*1200			13" : 1920*1200			
CP/AA	Support wired + wireless Car-play / Android AUTO						
Network	4G Lte external card slot + 5G WIFI						
Radio	TDA7708						
Voice Control (optional)	This feature requires the purchase of voice control software						
Supporting accessories (optional)	360° panoramic camera, AR DVR, rear view camera, USB TPMS, BT SWC, atmosphere light HUD head-up display, rear window LED screen, rear entertainment screen, thermometer, etc Note: Accessories are not included and are purchased separately.						

Different screen sizes can be installed on the same model



Support the following sizes of machines, you can choose according to your needs

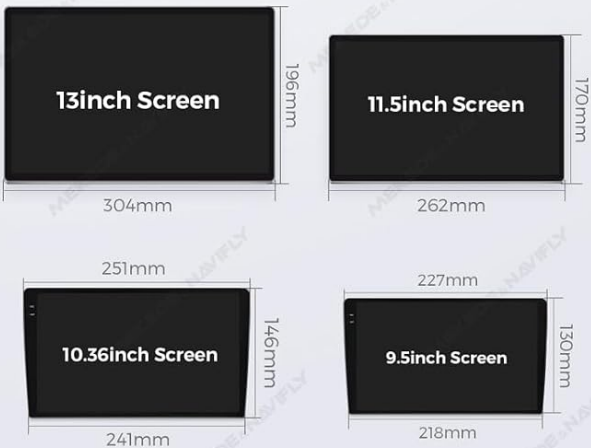


Figure 3: A comparison table highlighting key specifications and features across different DUDU7 models and screen sizes, useful for understanding connectivity options.

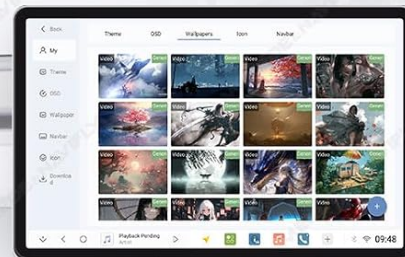
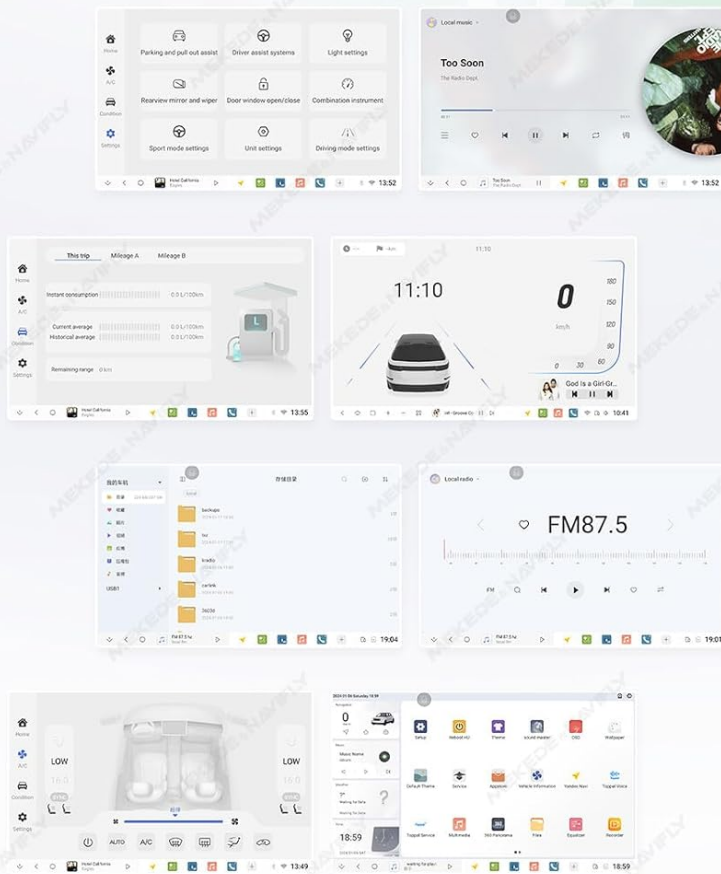
OPERATING INSTRUCTIONS

User Interface and Navigation

The DUDU7 operates on Android 13, providing a familiar and intuitive interface. The 2K (2000x1200) touch screen offers high resolution for clear visuals and responsive interaction. The DUDU OS 3.0 features customizable dynamic wallpapers and various display modes for optimal viewing in different lighting conditions.

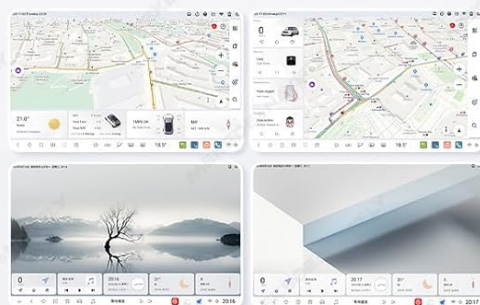
DUDU OS 3.0

New custom dynamic wallpaper



Daytime

light mode



dark mode

Night

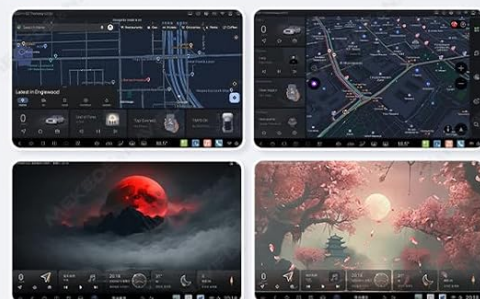


Figure 4: Examples of the DUDU OS 3.0 user interface, showcasing dynamic wallpapers and the transition between daytime and nighttime display modes.

Connectivity Features

- **Wireless & Wired CarPlay & Android Auto:** Connect your smartphone seamlessly for navigation, calls, music, and messaging. Both wireless and wired connections are supported.
- **Bluetooth 5.0 with Qualcomm 3031 Chip:** Enjoy stable, high-quality audio streaming and crystal-clear calls with ultra-low power consumption and enhanced anti-interference technology.
- **Dual-Band GPS Navigation (L1+L5):** Experience precise and fast satellite acquisition with lane-level navigation accuracy, ensuring reliable guidance.
- **Wi-Fi:** Supports 802.11a/b/g/n/ac and 5G Wi-Fi for internet connectivity.

Audio and DSP

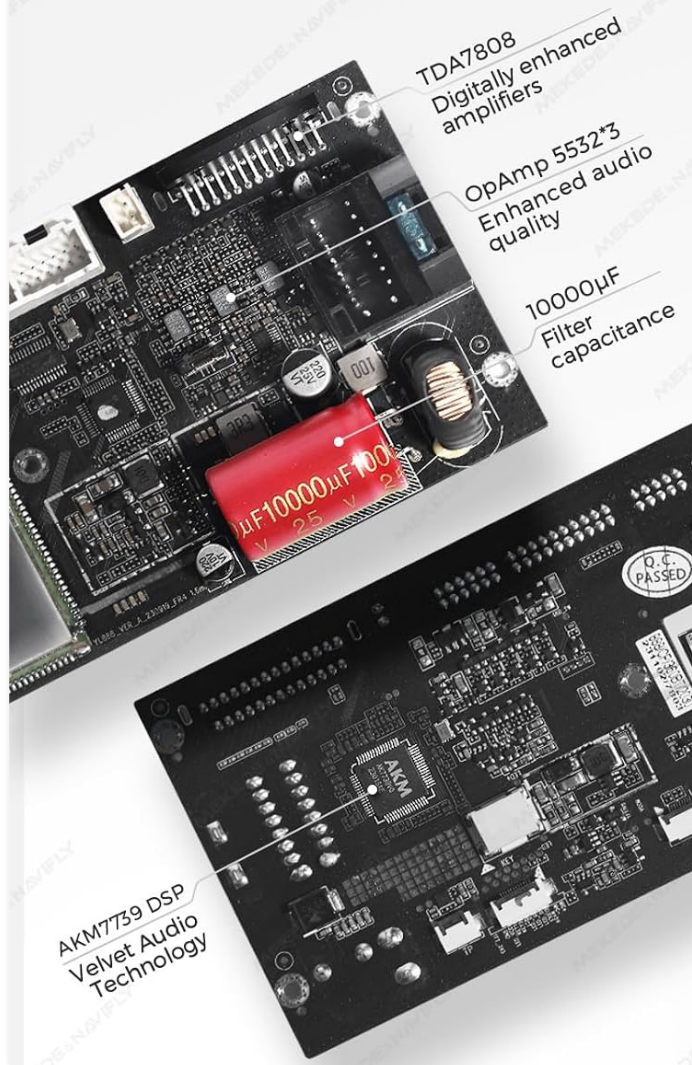
The DUDU7 incorporates the AKM7739 Velvet Audio Technology DSP and TDA7808 Digital AB type power amplifier for superior sound quality. It provides optical and coaxial audio outputs, along with RCA 5.1 Channel Outputs for comprehensive audio system integration.

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

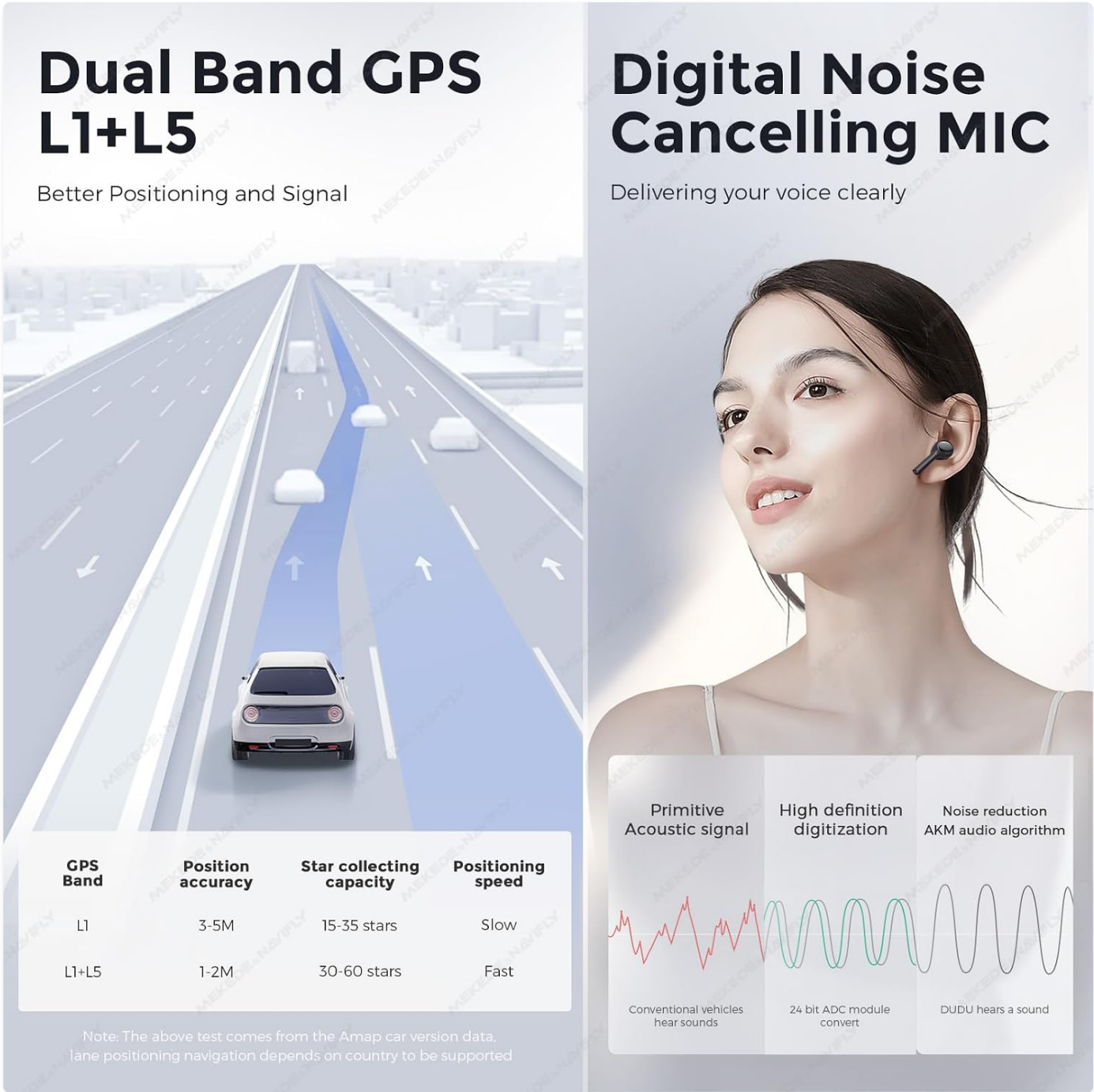


VELVET SOUND - AKM advanced audio processing technology, based on the original sound reproduction product concept, explores the limits of audio technology, and presents all sound details without reservation, creating a "like, immersive" sound world.

Figure 5: Internal components related to audio processing, highlighting the AKM7739 DSP and TDA7808 amplifier for enhanced sound quality.

Microphone and Communication

Equipped with a Digital Noise Cancellation Microphone and HD voice technology, the DUDU7 ensures clear communication by effectively reducing wind, road, and background noise, even at high speeds.



- **Temperature Control:** Avoid exposing the unit to extreme temperatures. While designed for automotive environments, prolonged exposure to direct sunlight or extreme cold can affect performance and lifespan.
- **Connection Checks:** Periodically ensure all cables and connections are secure and free from damage.

TROUBLESHOOTING

This section addresses common issues you might encounter with your DUDU7 head unit. If you experience problems not listed here, or if the suggested solutions do not resolve the issue, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, vehicle power issue.	Check power harness connections. Verify vehicle's power supply. Consult a professional for electrical checks.
No sound output.	Incorrect audio settings, loose RCA connections, amplifier issue.	Check volume levels. Verify audio output settings (Optical/Coaxial/RCA). Ensure all audio cables are properly connected.
GPS signal is weak or inaccurate.	GPS antenna obstruction, poor satellite visibility.	Ensure GPS antenna is mounted in a clear location with an unobstructed view of the sky. Check antenna connection.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi issues, incorrect phone settings, cable fault (for wired).	Ensure Bluetooth and Wi-Fi are enabled on both the head unit and your phone. Restart both devices. Try a different USB cable for wired connection.
Touch screen unresponsive.	Temporary software glitch, screen damage.	Restart the head unit. If the issue persists, contact customer support.

SPECIFICATIONS

Detailed technical specifications for the MekedeTech DUDUAUTO DUDU7 head unit:

- Operation System:** Android 13
- CPU:** 8 Core UIS7870 Customized version A76 2.7Ghz 6nm processor
- Memory Type:** UFS 3.1 Read data 1700M+
- RAM:** 8GB
- ROM:** 128GB
- Display:** 10.36 inch 2K Touch Screen (2000x1200 resolution)
- GPS:** Dual Band 6 mode L1 L5 B1 B2a E1 E5a
- Microphone:** Digital Noise Cancellation Microphone
- USB:** USB 3.2 GEN1 (Type-C) x1, USB 2.0 x3
- 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 (built-in chip)

Item Weight: 4.24 pounds

Package Dimensions: 11.46 x 7.17 x 4.17 inches

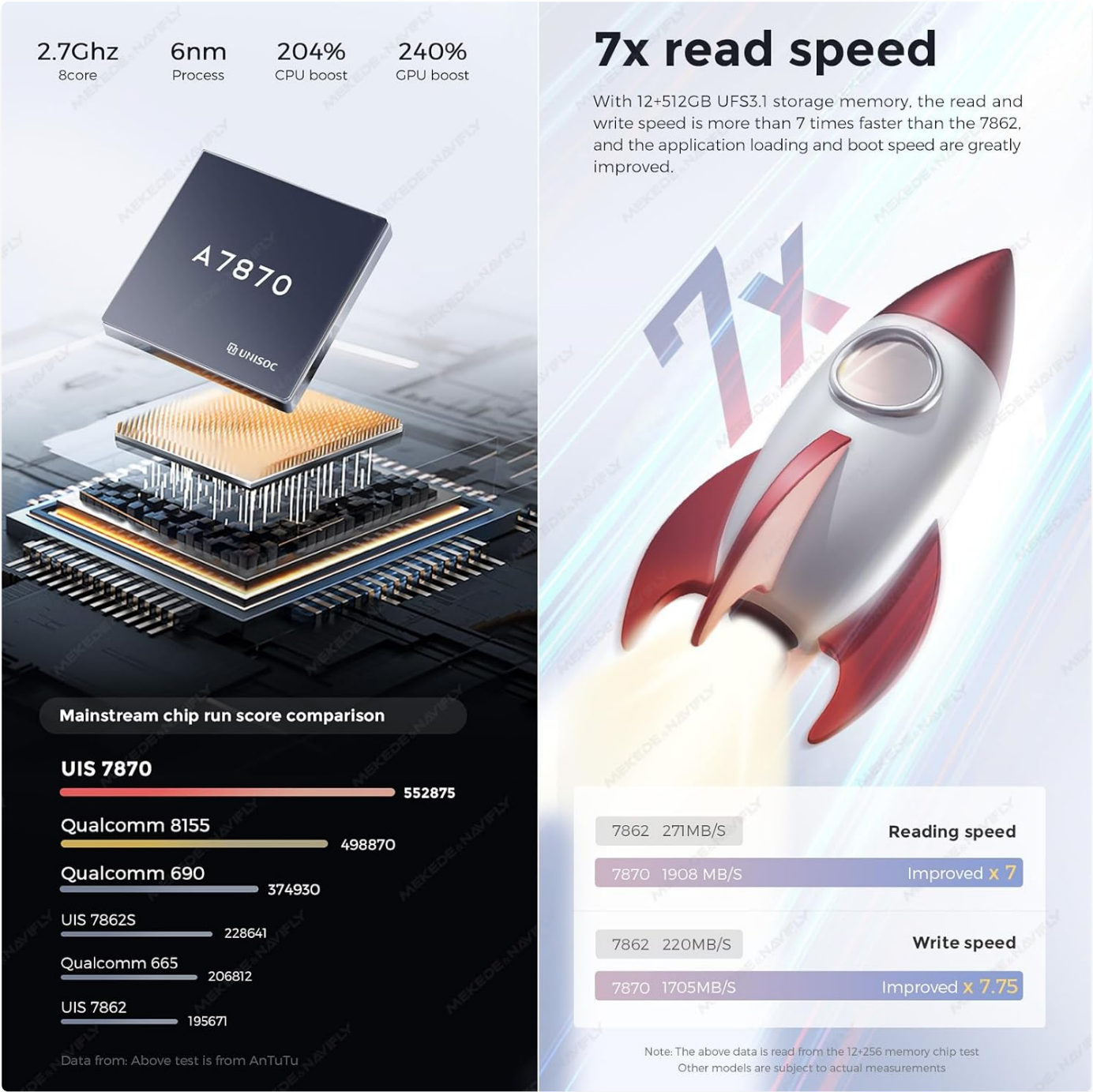


Figure 7: Detailed view of the Unisoc UIS7870 CPU and a comparison of read/write speeds, highlighting the performance capabilities of the DUDU7.

WARRANTY AND SUPPORT

Your MekedeTech DUDUAUTO DUDU7 head unit comes with a warranty. Please refer to the included Warranty Card for specific terms and conditions, including coverage details and duration. It is recommended to keep your purchase receipt as proof of purchase.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact MekedeTech customer support. You can often find contact information on the manufacturer's official website or through the seller's contact details on the platform where you purchased the product. Providing your model number (MKD-DUDU7-8-128-10.36) and a detailed description of your issue will help expedite the support process.

The manufacturer is Shenzhen Mekede Technology Co.,Ltd.

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

Email

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

Details

Submit question

Open the live page

<https://manuals.plus/asin/B0D94DZNK3>

More documents and user manuals: <https://manuals.plus/>