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› MekedeTech DUDUAUTO DUDU7 Car Stereo Instruction Manual for Suzuki SX4 (2006-2014)

MekedeTech DUDU7-12-256

MekedeTech DUDUAUTO DUDU7 Car Stereo Instruction Manual

Model: DUDU7-12-256 for Suzuki SX4 (2006-2014)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO DUDU7 Car Multimedia Head Unit Player. This unit is specifically designed for Suzuki SX4 models manufactured between 2006 and 2014, featuring a 9.5-inch 2K touch screen. It operates on Android 13 and includes advanced features such as Wireless CarPlay, Android Auto, and a high-performance audio system.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, ensure all components are present:

- MekedeTech DUDUAUTO DUDU7 Head Unit
- Power Cable (G)
- RCA Cable with 4G Card Slot (A)
- Reversing Camera Cable (F)
- 4Pin USB Cable (E)
- 6Pin USB Cable (D)
- GPS Antenna (C)
- 4G Antenna (B)
- Microphone (MIC)
- Protocol Serial Use with Can-bus (if applicable)

2.2 Installation Overview

The DUDUAUTO DUDU7 is designed as a direct fit replacement for the original Suzuki SX4 2006-2014 stereo. Professional

installation is recommended.



Image: Comparison of the dashboard before and after installing the DUDUAUTO DUDU7 head unit in a Suzuki SX4. The original stereo is replaced by the larger touch screen unit.

2.3 Wiring Connections

Refer to the diagram below for connecting the various cables and antennas to the head unit.

DUDU7

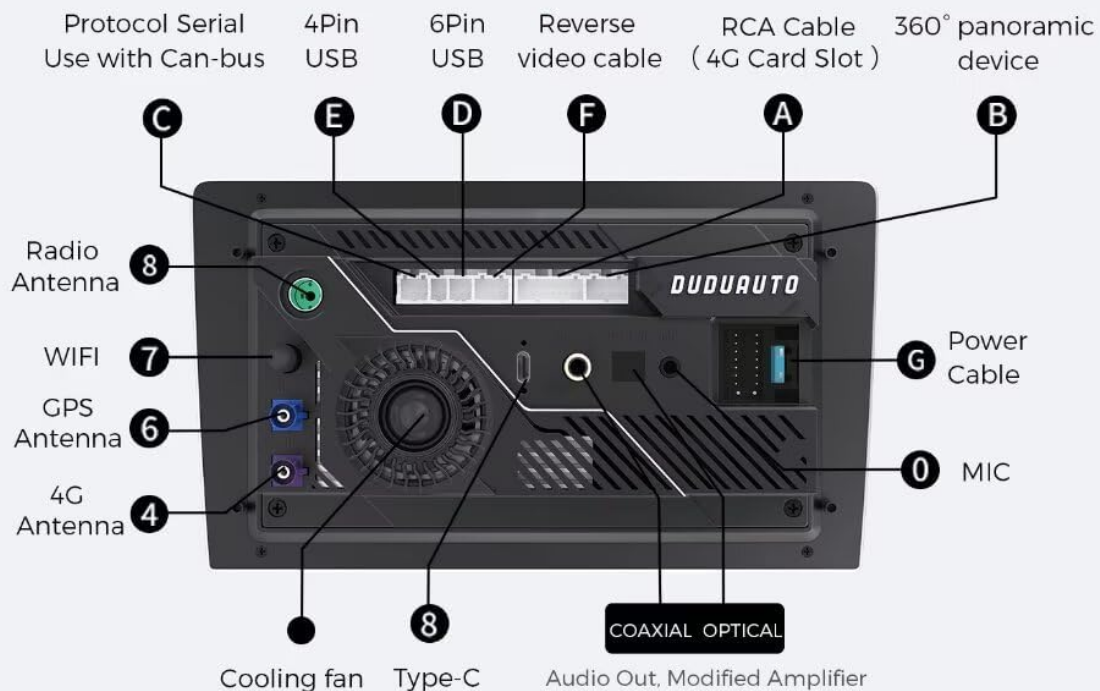


Image: Rear view of the DUDU7 head unit showing labeled connection ports for Power, RCA, Reversing Camera, USB, GPS Antenna, 4G Antenna, Radio Antenna, WIFI, and Microphone.

- **Power Cable (G):** Connect to the vehicle's power harness.
- **RCA Cable (A):** For audio output (Optical + Coaxial, RCA 5.1 Channel Outputs) and 4G card slot.
- **Reversing Camera Cable (F):** Connect to your reversing camera input.
- **USB Cables (D, E):** Connect external USB devices. The Type-C port is USB 3.2 GEN1.
- **GPS Antenna (C):** Connect for navigation functionality.
- **4G Antenna (B):** Connect for 4G LTE internet access.
- **MIC (0):** Connect the external digital noise cancellation microphone for clear voice input.
- **Radio Antenna (8):** Connect for FM/AM radio reception.
- **WIFI (7):** Internal Wi-Fi antenna.

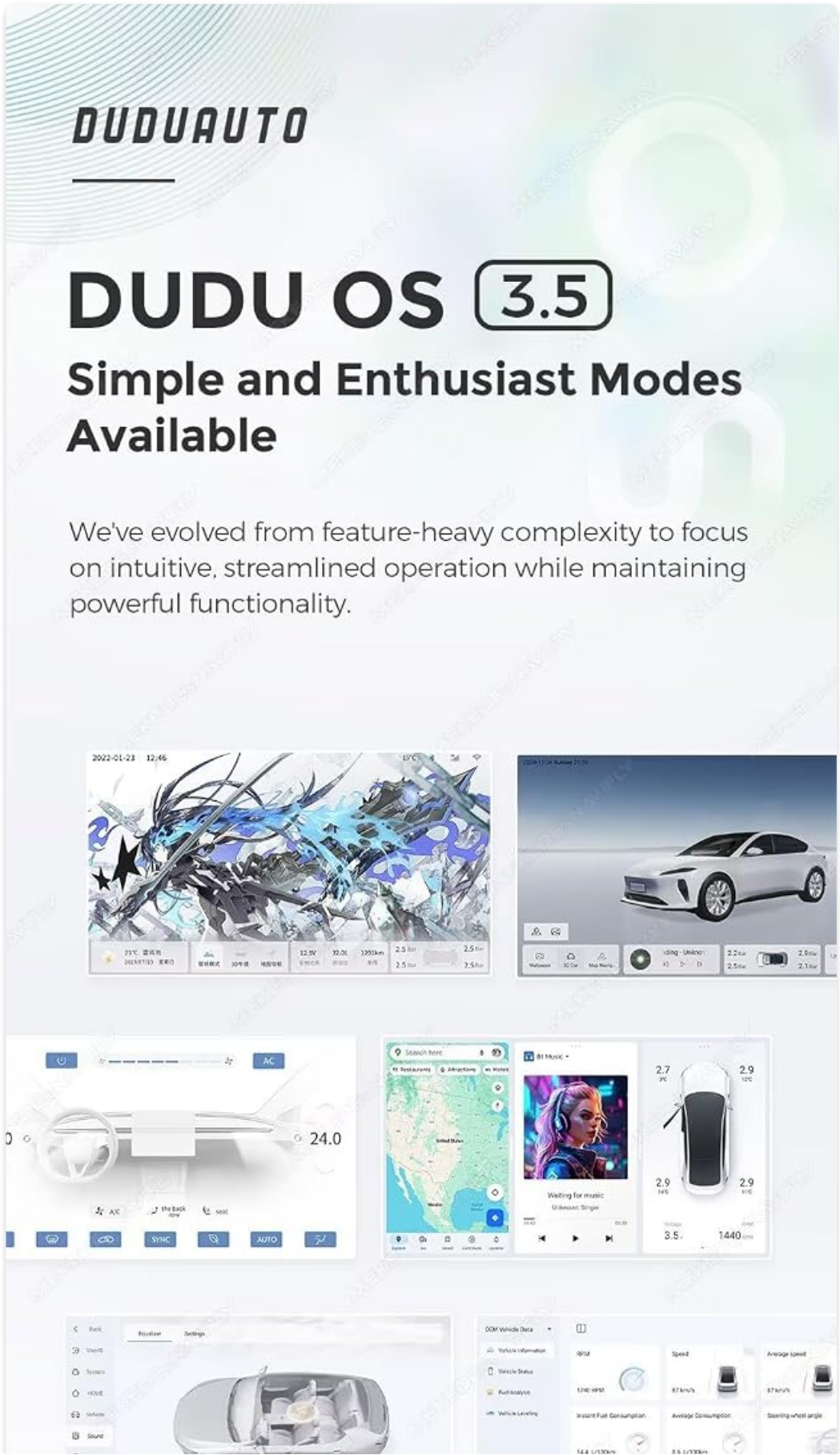
3. OPERATING INSTRUCTIONS

3.1 Power On/Off

The unit powers on automatically with the vehicle's ignition. To manually power off or restart, use the designated power button on the unit or through the software interface.

3.2 Touch Screen Interface (DUDU OS)

The DUDUAUTO DUDU7 features a 9.5-inch 2K capacitive touch screen running DUDU OS 3.5 (or 3.0). The interface is designed for intuitive operation, offering both simple and enthusiast modes.



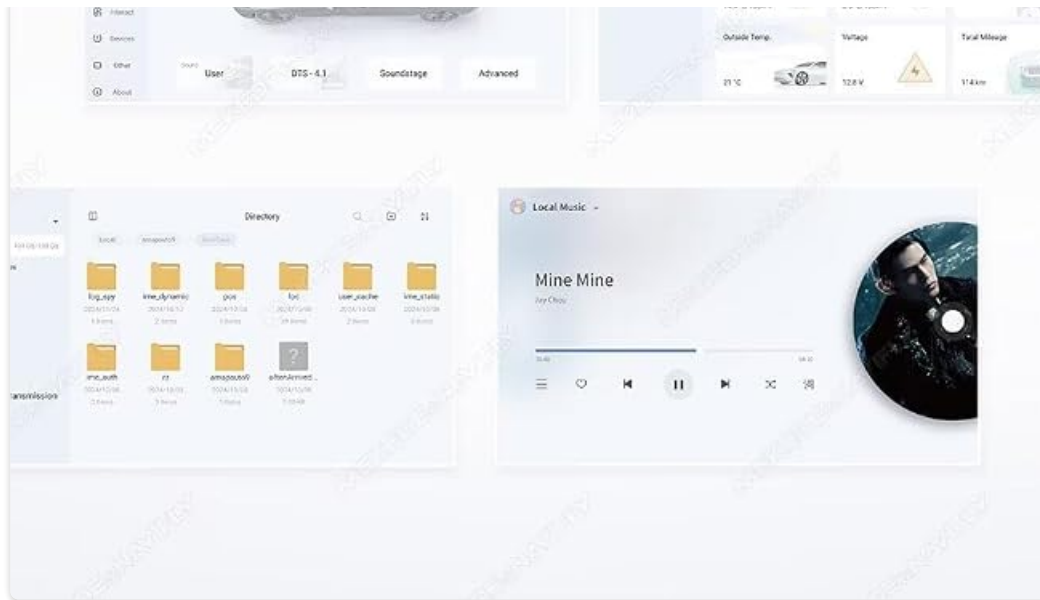


Image: Various screens of the DUDU OS 3.5 interface, showcasing navigation, media playback, vehicle information, and settings menus.

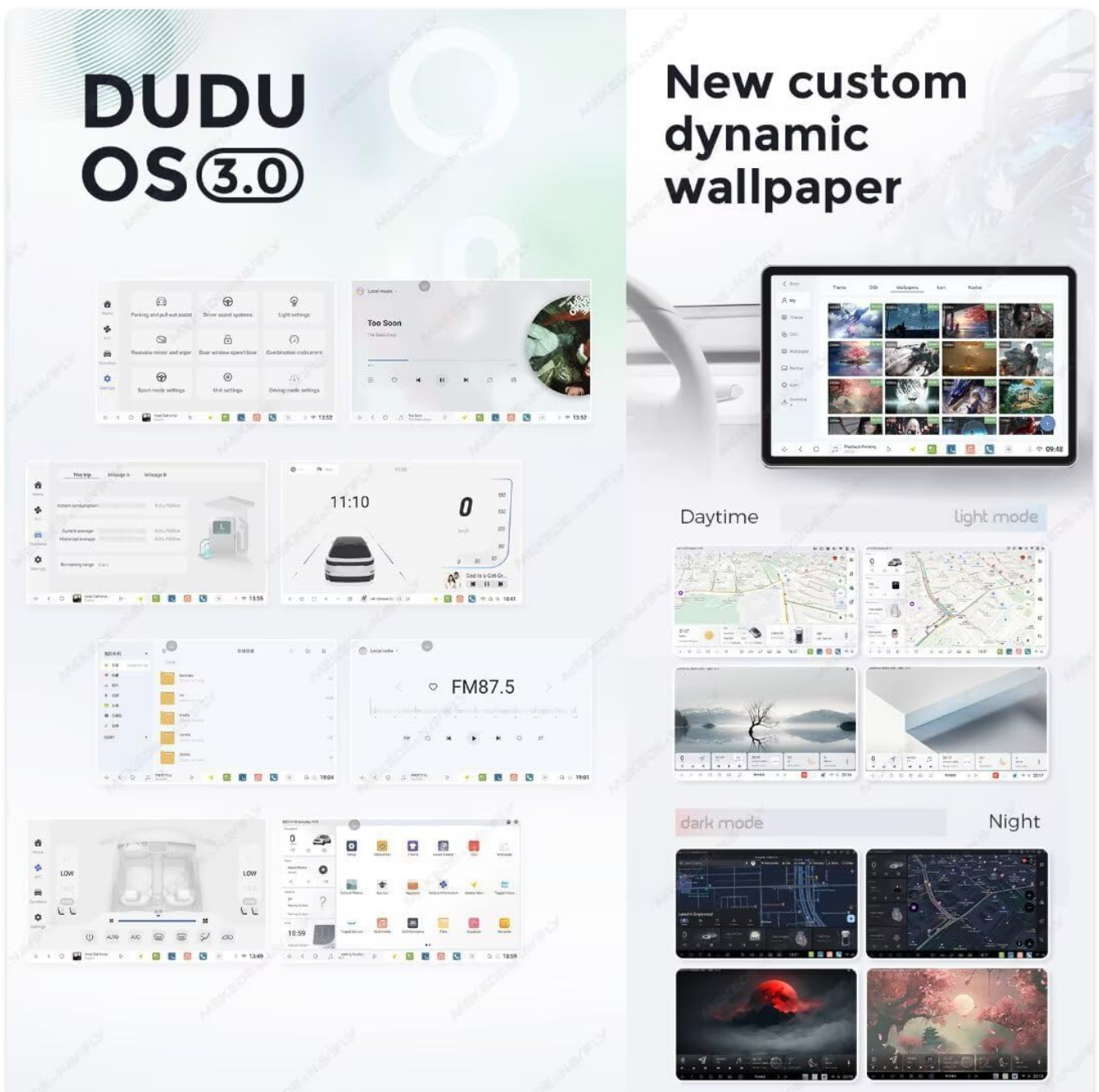


Image: Examples of DUDU OS 3.0 interface, including dynamic wallpapers, settings, and day/night modes for the display.

3.3 Wireless CarPlay & Android Auto

The unit supports both Wireless CarPlay for iPhones and Android Auto for Android devices. To connect:

1. Ensure Bluetooth is enabled on your smartphone and the head unit.
2. Pair your phone with the head unit via Bluetooth.
3. Follow the on-screen prompts to initiate CarPlay or Android Auto.

3.4 Bluetooth Connectivity (Qualcomm 3031 chip)

The integrated Qualcomm 3031 Bluetooth 5.0 chip provides stable and high-quality audio streaming with aptX HD protocol support. Use Bluetooth for hands-free calling and wireless music playback.

3.5 4G LTE & Wi-Fi Support

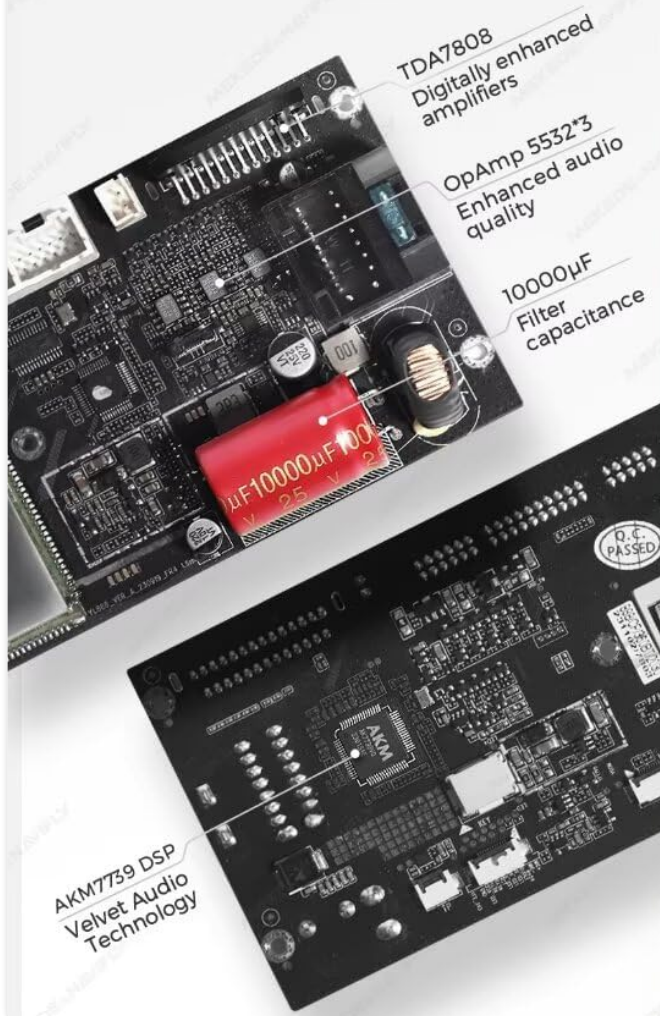
Insert a compatible SIM card into the designated slot (part of the RCA cable assembly) for 4G internet access. Alternatively, connect to a Wi-Fi network for online services, app downloads, and navigation updates.

3.6 Audio Features (AKM7739 DSP)

The unit features AKM7739 DSP Velvet Audio Technology, supporting 5.1 panoramic sound and sound correction. This provides an enhanced acoustic experience. The power amplifier is a TDA7808 Digital AB type.

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.

Image: Diagram highlighting the TDA7808 amplifier and AKM7739 DSP chip on the circuit board, with a description of Velvet Audio Technology for enhanced sound quality.

3.7 GPS Navigation

Utilize the dual-band 6-mode GPS (L1 L5 B1 B2a E1 E5a) for accurate worldwide navigation. Pre-installed maps or online navigation apps can be used.

4. MAINTENANCE

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

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronic screens. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for and install software updates to ensure the system runs efficiently and has the latest features and security patches.
- **Ventilation:** Ensure the cooling fan and ventilation openings are not obstructed to prevent overheating.

- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

5. TROUBLESHOOTING

If you encounter issues with your DUDUAUTO DUDU7, refer to the following common problems and solutions:

- **No Power:**
 - Check all power connections to ensure they are secure.
 - Verify the vehicle's fuse for the stereo is intact.
- **No Sound:**
 - Check speaker connections.
 - Ensure the volume is not muted or set to zero.
 - Verify audio output settings in the system menu.
- **Touch Screen Unresponsive:**
 - Restart the head unit.
 - Ensure the screen is clean and free of debris.
 - If the issue persists, a factory reset might be necessary (note: this will erase all user data).
- **GPS Signal Loss:**
 - Ensure the GPS antenna is properly connected and has a clear view of the sky.
 - Check GPS settings in the system menu.
- **CarPlay/Android Auto Not Connecting:**
 - Ensure Bluetooth and Wi-Fi are enabled on both the phone and the head unit.
 - Try forgetting the device on both ends and re-pairing.
 - Update your phone's operating system and the head unit's software.
- **Slow Performance:**
 - Close unnecessary background applications.
 - Clear system cache.
 - Consider a factory reset if performance issues are severe and persistent.

For issues not covered here, please contact customer support.

6. SPECIFICATIONS

The following table outlines the key specifications of the MekedeTech DUDUAUTO DUDU7 (DUDU7-12-256) model:

Feature	Specification
Model Name	MKD-DUDU7-12-256
Operating System	Android 13
CPU	8 Core UIS7870 Customized version A76 2.7Ghz 6nm processor
Memory (RAM/ROM)	12GB RAM / 256GB ROM (UFS 3.1)
Display	9.5 inch 2K Capacitive OLED Touch Screen

Feature	Specification
Connectivity	Wireless CarPlay, Wireless Android Auto, Bluetooth 5.0 (Qualcomm 3031, aptX HD), 4G LTE, Wi-Fi (802.11a/b/g/n/ac, 5G support)
GPS	Dual Band 6 mode L1 L5 B1 B2a E1 E5a
Audio Output	Optical + Coaxial, RCA 5.1 Channel Outputs
DSP	AKM7739 Velvet Audio Technology
Power Amplifier	TDA7808 Digital AB type
USB Interface	USB 3.2 GEN1 (Type-C) x1, USB 2.0 x3
Microphone	Digital Noise Cancellation Microphone
Radio IC	TDA7708
Work Voltage	9V~16V
Additional Features	360 panoramic chip (default), Voice Control Function

For a comparison of DUDU series models, refer to the image below:

	DUDU4	DUDU5	DUDU6	DUDU7
RAM/ROM	4+32GB	4+64GB	6+64GB 8+128GB 8+256GB	6+64GB 12+256GB 8+128GB 12+512GB
CPU	8-Core UIS8581A	8-Core UIS7862	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 Gen1*1 USB 2.0*3
Power amplifier	TDA7838	TDA7851	TDA7850	TDA7808 Digital enhanced Class AB power amplifier
DSP	AK7604	AK7604	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 OS		
Audio output	RCA2.1 channel output	Fiber + coaxial RCA2.1 channel output	Fiber + coaxial RCA5.1 channel output
BT chip	BT5.0		BT5.0 Qualcomm 3031 supports the aptx HD protocol
Filter capacitance	6800μF		10000μF
Screen	In-cell 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 + WIFI		
Radio	TDA4755	TDA7708	
Voice Control	DUDU4 / 5 requires the purchase of voice control software to be supported.		Support voice control function
Supporting accessories (optional)	DVR, front + rear view camera, TPMS, BT SWC, etc. Note: Accessories are not included and are purchased separately. For more customization needs, please contact mekede&navifly.		

Image: A table comparing specifications across DUDU4, DUDU5, DUDU6, and DUDU7 models, detailing RAM/ROM, CPU, Memory type, GPS, MIC, USB interface, Power amplifier, DSP, Bluetooth Chip, Audio Output, WiFi Type, Radio IC, and Android version.

The DUDU7 model features a high-performance A76 2.7GHz 6nm processor and UFS 3.1 storage, offering significantly faster read/write speeds compared to previous generations.

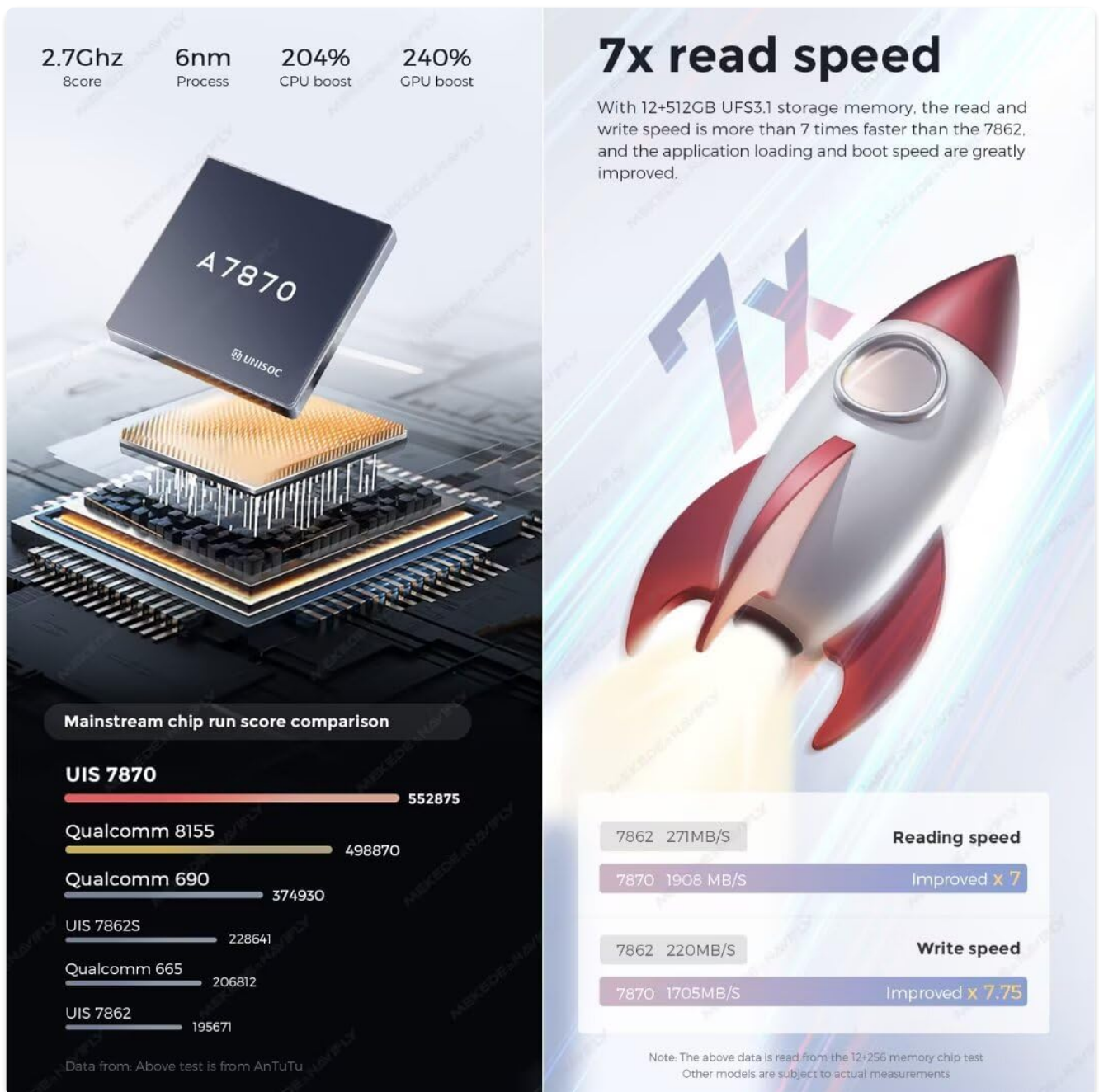


Image: Illustration of the A7870 CPU and a graph comparing read/write speeds, indicating a 7x improvement in read speed and 7.75x improvement in write speed with UFS 3.1 storage compared to 7862.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The MekedeTech DUDUAUTO DUDU7 comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

7.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact Mekedetech customer service. Refer to your purchase documentation for specific contact details or visit the official MekedeTech website.

