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› MekedeTech DUDUAUTO DUDU7 Android Car Stereo User Manual

## MekedeTech DUDU7-6-64-7C1

# MekedeTech DUDUAUTO DUDU7 Android Car Stereo User Manual

Model: DUDU7-6-64-7C1

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO DUDU7 Android Car Stereo. This unit features a 7-inch touch screen, 6GB RAM, and 64GB ROM, offering a comprehensive in-car entertainment and navigation experience. Please read this manual thoroughly before use to ensure proper functionality and safety.

**Note:** This specific 6GB RAM version does not support 360° backup cameras. If 360° camera functionality is required, please refer to models with higher RAM specifications.

## SETUP AND INSTALLATION

### Package Contents

Before beginning installation, verify that all components are present in the package:

- 7 inch Touch screen (Head unit)
- ISO Power Harness
- RCA Harness
- Reverse Harness
- GPS Antenna
- Microphone (MIC)
- USB Plugs (x3)
- Fakra 4G Antenna
- Fakra GPS Antenna

# Package Contents



Head unit \* 1



Power Cable



Disassembly Tools

## DUDU6 DUDU7



MIC



RCA Cable



Reversing camera



USB Plug \* 3



Fakra 4G Antenna



Fakra GPS Antenna  
( For DUDU7 only )



Fakra GPS Antenna  
( For DUDU6 only )

## DUDU4 DUDU5



MIC



RCA Cable



Reversing camera



USB Plug \* 3  
(For DUDU5 only)



USB Plug \* 2  
(For DUDU4 only)



4G Antenna



GPS Antenna

## DUDU3



MIC



RCA Cable



Reversing camera



USB Plug \* 2



4G Antenna



GPS Antenna

Image: Overview of all items included in the DUDUAUTO DUDU7 package, including the head unit, various cables, antennas, and tools.

## Physical Dimensions

The head unit features a 7-inch display with universal double-DIN dimensions. Ensure your vehicle's dashboard opening is compatible.

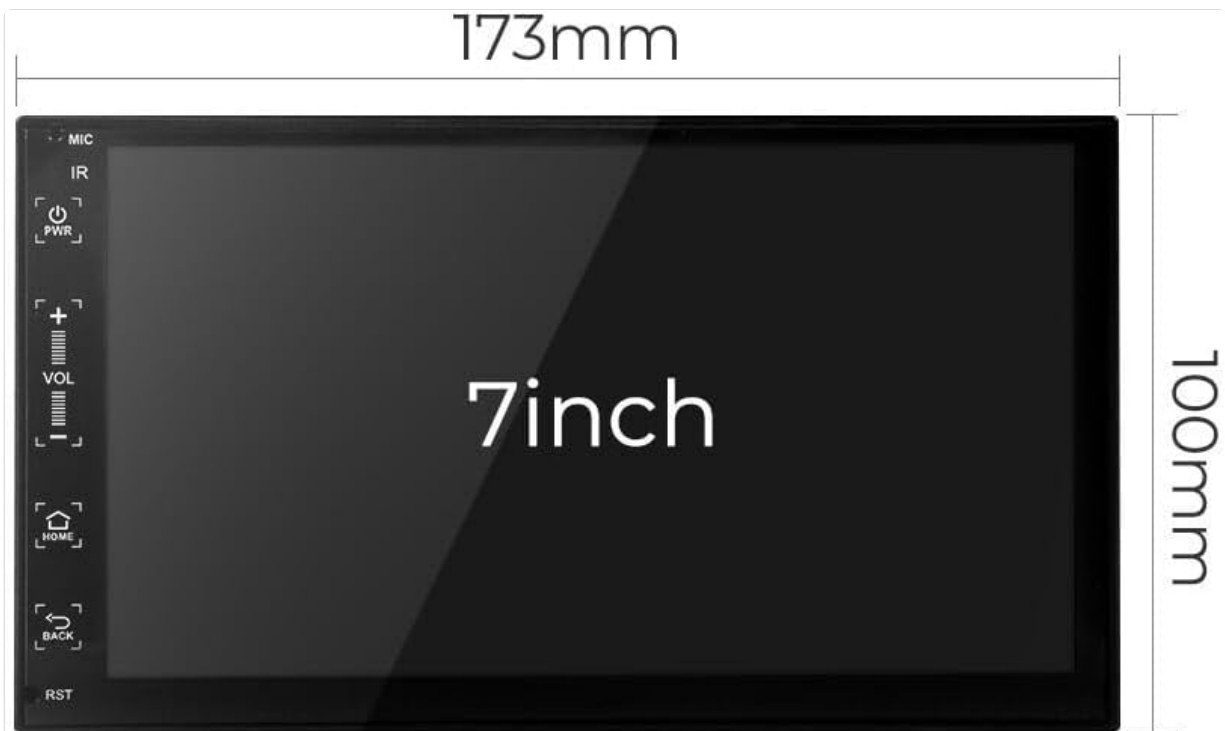


Image: Diagram showing the 7-inch screen dimensions, measuring 173mm in width and 100mm in height.

## Connection Ports

Familiarize yourself with the rear connection ports of the head unit before installation.



Image: Rear view of the DUDUAUTO DUDU7 head unit, displaying various connection ports for power, GPS, 4G antenna, and other accessories.

## General Installation Notes

- **Vehicle-Specific Components:** For a seamless installation, you will likely need to purchase a vehicle-specific face plate (bezel) and a compatible wiring harness (including a CANBUS box if required) separately. These components ensure proper fitment and integration with your vehicle's existing systems.
- **Steering Wheel Controls:** The unit is designed to retain original steering wheel control functionality,

AC information display, and original backup camera functionality, provided the necessary vehicle-specific adapters are used.

- **Professional Installation:** It is recommended to have the unit installed by a qualified professional to avoid damage to the unit or your vehicle's electrical system.

## For 7inch universal

After  
installation



*Image: Example of the 7-inch DUDUAUTO head unit installed in a universal double-DIN dashboard slot, showing its integrated appearance.*

## OPERATING INSTRUCTIONS

### Initial Power On and System Overview

Upon initial power-on, the unit will boot into the Android 13 operating system. The touch screen interface allows for intuitive navigation. You can customize the home screen with widgets and frequently used applications.

### Wireless CarPlay & Android Auto

The DUDUAUTO DUDU7 supports both wireless Apple CarPlay and Android Auto for seamless smartphone integration. This allows you to access navigation, music, messages, and calls directly from your car stereo display.

- **Wireless CarPlay (iOS System):**

1. Connect your iPhone to the head unit via Bluetooth.
2. On the head unit, select the "Car Link" application.
3. Wait for the connection to establish. CarPlay can also be connected via a USB cable.

- **Wired Android Auto (Android System):**

1. Connect your Android phone to the head unit using a USB cable.
2. On the head unit, select the "Car Link" application.
3. Wait for the connection to establish.

# Supports wireless Car-play +Android Auto

Car dvd player comes with carplay function, no need to purchase additional accessories.



Image: Screenshot of the DUDUAUTO DUDU7 display showing the interfaces for Wireless CarPlay (iOS) and Wired Android Auto (Android), with connection steps.

## Bluetooth 5.0 Connectivity

The unit features Premium Bluetooth 5.0 with a Qualcomm 3031 Chip, providing stable and high-quality wireless connections for calls and audio streaming. This technology ensures ultra-low power consumption, fast data transmission, clear calls, and enhanced anti-interference capabilities.

## GPS Navigation

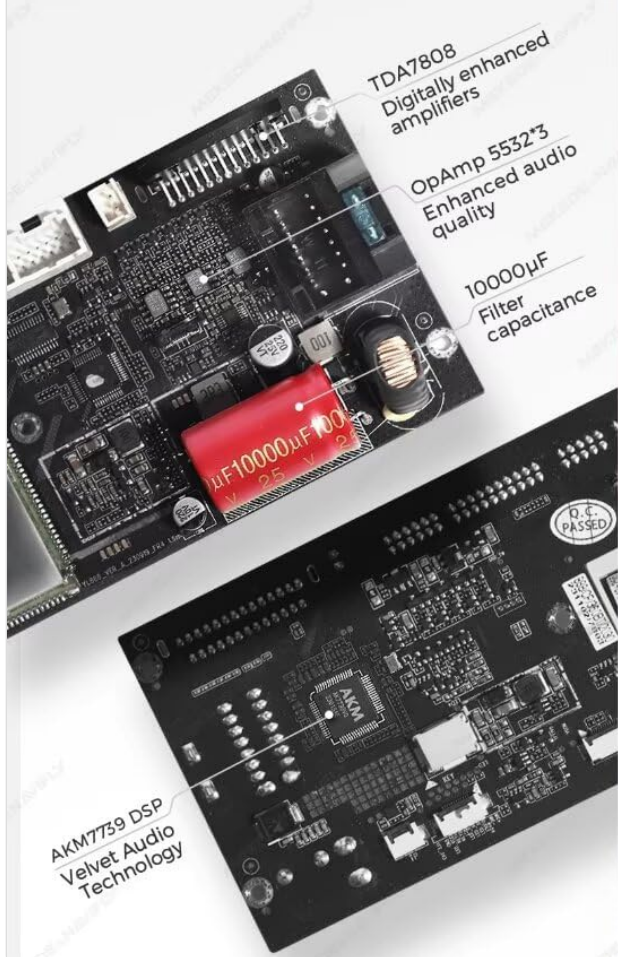
Equipped with an advanced 6-mode positioning chip and L1+L5 dual-frequency technology, the DUDUAUTO DUDU7 offers precise and fast GPS navigation. This system provides rapid satellite acquisition and lane-level accuracy within 1 meter. The unit supports various map types, including North America and Worldwide.

## Audio Features

Experience an immersive audio environment with the built-in DSP audio processor (AKM7739 DSP Velvet Audio Technology). This technology allows for crystal-clear sound tuning and customization through an equalizer, optimizing your car's speaker system. The unit supports DTS5.1 panoramic sound, delivering a natural and comfortable acoustic experience.

### Choosing reputation audio chip

in an industry-wide



TDA7808  
Digitally enhanced  
amplifiers

OpAmp 5532\*3  
Enhanced audio  
quality

10000µF  
Filter  
capacitance

AKM7739 DSP  
Velvet Audio  
Technology

### 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.

*Image: Diagram illustrating the AKM7739 DSP Velvet Audio Technology, highlighting its role in delivering enhanced audio quality and panoramic sound.*

## Communication

The unit includes an advanced digital noise-canceling microphone with HD voice technology and intelligent audio algorithms. This ensures clear communication by effectively eliminating wind, road, and background noise, even at high speeds.

## MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** The unit supports Over-The-Air (OTA) firmware updates. Regularly check for and install updates to ensure optimal performance, security, and access to new features.
- **General Care:** Keep the unit free from excessive dust and moisture. Ensure proper ventilation around the unit to prevent overheating.

## TROUBLESHOOTING

### Common Issues and Solutions

- **No Power:**  
Check all power connections, including the ISO power harness. Ensure the vehicle's ignition is on. Verify the vehicle's fuse for the stereo is intact.
- **No Sound:**  
Check speaker connections. Ensure the volume is not muted or set to minimum. Verify audio output settings in the system menu. If using external amplifiers, check their power and connections.
- **Touch Screen Unresponsive:**  
Perform a soft reset by pressing the RST (Reset) button, usually located on the front panel (may require a thin object like a paperclip). If the issue persists, check for available firmware updates.
- **CarPlay/Android Auto Not Connecting:**  
For wireless connections, ensure Bluetooth and Wi-Fi are enabled on your phone and the head unit. For wired connections, try a different USB cable. Ensure the "Car Link" app is selected on the head unit. Restart both the phone and the head unit.
- **GPS Signal Issues:**  
Ensure the GPS antenna is properly connected and positioned with a clear view of the sky (e.g., on the dashboard). Avoid placing the antenna under metallic objects that could block the signal.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

## SPECIFICATIONS

The MekedeTech DUDUAUTO DUDU7 is engineered for high performance and seamless integration.

### Model Comparison (DUDU7 Highlighted)

|         | DUDU4           | DUDU5          | DUDU6                                                            | DUDU7                                                          |                      |
|---------|-----------------|----------------|------------------------------------------------------------------|----------------------------------------------------------------|----------------------|
| RAM/ROM | 4+32GB          | 4+64GB         | 6+64GB<br>8+128GB<br>8+256GB                                     | 6+64GB<br>8+128GB                                              | 12+256GB<br>12+512GB |
| CPU     | 8-Core UIS8581A | 8-Core UIS7862 | 8-Core UIS7862S<br>Customized verison<br>A55 2.0Ghz 12nm process | 8-Core UIS7870<br>Customized verison<br>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<br>USB 2.0*3                          |
| Power amplifier                   | TDA7838                                                                                                                                                                               | TDA7851                               | TDA7850                                                 | <b>TDA7808</b><br>Digital enhanced Class AB power amplifier |
| DSP                               | AK7604                                                                                                                                                                                | AK7604                                | AKM7738                                                 | <b>AKM7739</b><br>Velvet audio technology                   |
| Amp                               | /                                                                                                                                                                                     | /                                     | 2582*3                                                  | <b>5532*3</b><br>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<br>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.<br>Note: Accessories are not included and are purchased separately.<br>For more customization needs, please contact mekede&navifly. |                                       |                                                         |                                                             |

Image: Comparative table detailing specifications across DUDU4, DUDU5, DUDU6, and DUDU7 models, highlighting RAM, ROM, CPU, memory type, GPS, MIC, USB interface, power amplifier, DSP, Amp, Android version, car machine system, audio output, BT chip, filter capacitance, screen, CP/AA, network, radio, and

Performance and Chipset

The DUDU7 model features an 8-core UIS7870 processor (A76 2.7GHz 6nm process) and UFS 3.1 read data at 1700MB/s, ensuring fast application launches and smooth operation. This results in significantly improved read and write speeds compared to previous generations.

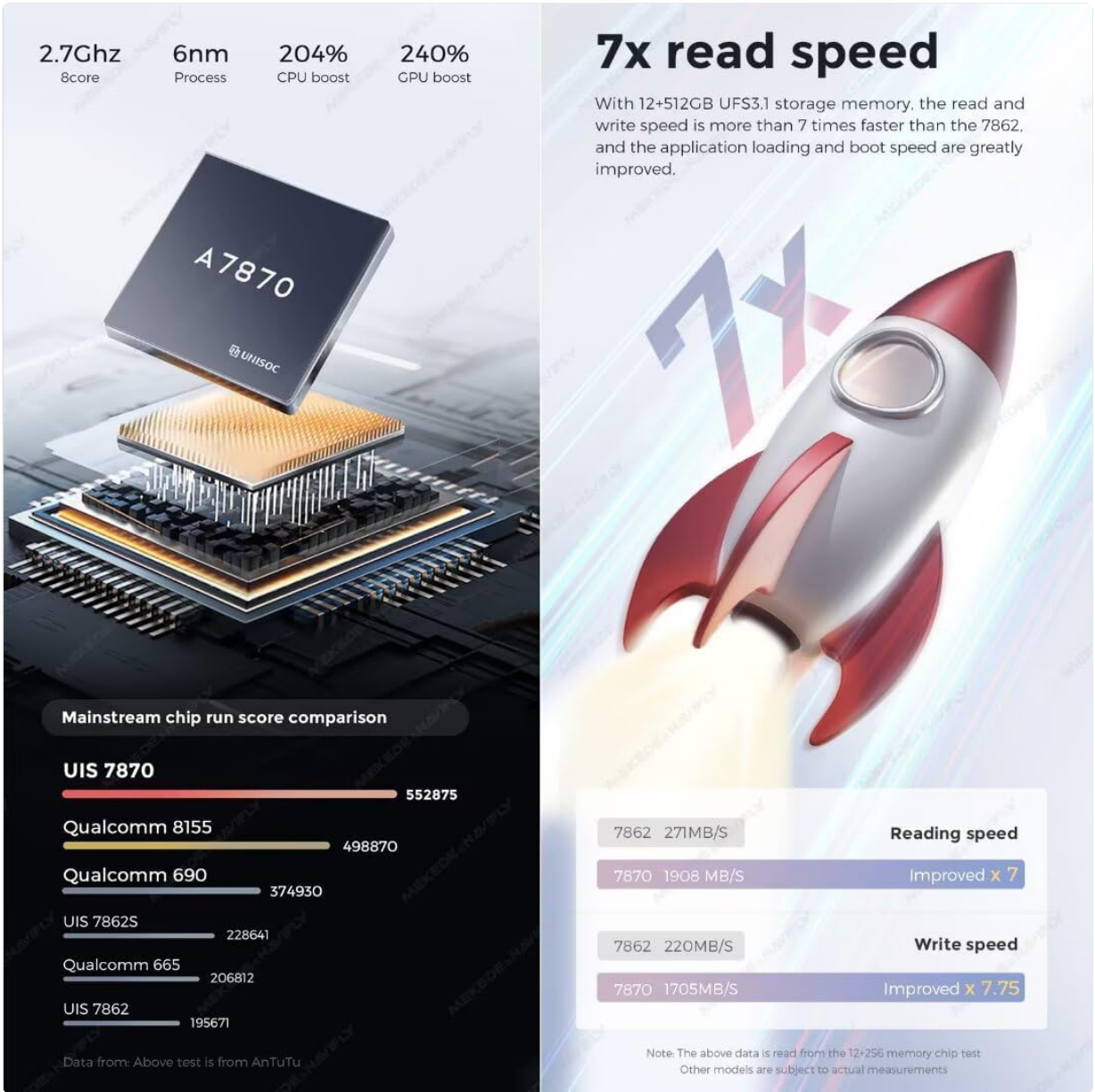


Image: Visual representation of the UIS 7870 chip, detailing its 8-core, 2.7GHz, 6nm process, and demonstrating 7x read speed improvement with UFS 3.1 storage.

General Specifications

| Feature      | Detail         |
|--------------|----------------|
| Brand        | MekedeTech     |
| Model Name   | DUDU7-7C1-64   |
| Model Number | DUDU7-6-64-7C1 |

|                          |                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Operating System         | Android 13                                                                                                                            |
| Screen Size              | 7 Inches                                                                                                                              |
| Memory (RAM)             | 6GB                                                                                                                                   |
| Storage (ROM)            | 64GB                                                                                                                                  |
| Processor                | Octa-core (UIS7870, A76 2.7GHz 6nm)                                                                                                   |
| Connectivity Technology  | Bluetooth 5.0 (Qualcomm 3031), Ethernet, USB, Wi-Fi (Dual-band), 4G LTE                                                               |
| Special Features         | Wireless CarPlay, Android Auto, DSP Audio Processor (AKM7739), Dual-Band GPS (L1+L5), Digital Noise-Canceling Microphone, Touchscreen |
| Map Type                 | North America, Worldwide                                                                                                              |
| Mounting Type            | Dashboard Mount (Double Din)                                                                                                          |
| Compatible Vehicle Types | Car, RV, SUV, Truck                                                                                                                   |
| Audio Output Mode        | Digital                                                                                                                               |
| Human-Interface Input    | Touchscreen, Keyboard (virtual)                                                                                                       |
| Control Method           | App, Push Button (on unit), Touch                                                                                                     |

## WARRANTY INFORMATION

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The MekedeTech DUDUAUTO DUDU7 car stereo comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the warranty card included in your package or contact MekedeTech customer support.

## CUSTOMER SUPPORT

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Should you require assistance with installation, operation, troubleshooting, or warranty claims, please contact MekedeTech customer support.

- **Online Support:** Visit the official MekedeTech website for FAQs, support resources, and contact information.
- **Firmware Updates:** Free firmware updates are available Over-The-Air (OTA) directly through the device. Regularly check for updates to ensure optimal performance.
- **Brand Store:** You can also find more information and contact options through the [MekedeTech Amazon Store](#).

