

MekedeTech DUDU5-8-128

MekedeTech DUDUAUTO DUDU5 Android 13 Car Radio User Manual

Model: DUDU5-8-128

1. PRODUCT OVERVIEW

The MekedeTech DUDUAUTO DUDU5 is a double DIN Android 13 car multimedia head unit designed for Mercedes Benz C Class W204 S204 models from 2006-2011. This unit features an 8-core UIS7862 CPU, 8GB RAM, and 128GB ROM, providing a responsive and powerful in-car entertainment experience. It supports wireless and wired CarPlay and Android Auto, offering seamless smartphone integration.

Key features include a 9.5-inch 1280x720 in-cell screen, Bluetooth 5.0 with Qualcomm 3031 chip for high-quality audio and calls, 4G LTE connectivity, and support for original steering wheel controls.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact customer support.

	DUDU4	DUDU5	DUDU6	DUDU7	
RAM/ROM	4+32GB	4+64GB	6+64GB 8+128GB 8+256GB	6+64GB 8+128GB	12+256GB 12+512GB
CPU	8-Core UIS8581A	8-Core UIS7862	8-Core UIS7862S Customized verison A55 2.0Ghz 12nm process	8-Core UIS7870 Customized verison 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	

MIC	cancelling MIC		
USB interface	USB 2.0*3		
Power amplifier	TDA7838	TDA7851	TDA7850
DSP	AK7604	AK7604	AKM7738
Amp	/	/	2582*3
Android version	Android 10 API=29		
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		
Filter capacitance	6800μF		
Screen	In-cell Screen		
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.		

Figure 2.1: DUDUAUTO DUDU5 Package Contents

- DUDUAUTO DUDU5 Head Unit (Machine)
- Power Cable + Canbus Box
- Microphone (MIC)
- RCA Cable Set
- Reversing Camera (Optional, may vary by package)

- USB Plug x3
- Fakra 4G Antenna
- Fakra GPS Antenna

3. SPECIFICATIONS

Detailed technical specifications for the DUDUAUTO DUDU5 head unit:

Feature	Specification
Operation System	Android 13
CPU	8 Core UIS7862
RAM	8GB
ROM	128GB
Display Resolution	1280x720 (In-cell screen)
GPS	3 mode L1 B1 E1
Microphone	Condenser MIC
USB Ports	USB2.0*3
Power Amplifier	TDA7851
DSP	AK7604
Bluetooth Chip	Qualcomm 3031 (BT5.0)
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 (Optional system)

Powerful 8Core CPU

Adopts UIS7862 Smart Cockpit chip



Figure 3.1: Powerful 8-Core UIS7862 CPU

4. SETUP AND INSTALLATION

This head unit is designed for a plug-and-play installation in Mercedes Benz C Class W204 S204 models (2006-2011). Professional installation is recommended to ensure correct wiring and functionality.

4.1 Pre-Installation Check

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Confirm all package contents are present.
- Review your vehicle's existing dashboard and wiring to understand the removal process of the original head unit.

4.2 Installation Steps

1. **Remove Original Head Unit:** Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
2. **Connect Power and Canbus:** Connect the provided power cable and Canbus box to the vehicle's wiring

harness. The Canbus box ensures compatibility with original vehicle functions like steering wheel controls.

3. **Connect Antennas:** Attach the GPS antenna, 4G antenna (if applicable), and radio antenna to their respective ports on the back of the DUDU5 unit. Ensure secure connections.
4. **Connect USB and RCA Cables:** Plug in the USB extension cables and RCA cables as needed for external devices, reversing cameras, or amplifiers.
5. **Connect Microphone:** Plug in the external microphone for improved call quality.
6. **Test Connections:** Before fully reassembling the dashboard, temporarily connect the battery and power on the unit to test basic functions (power, audio, touch screen, steering wheel controls).
7. **Secure Head Unit:** Mount the DUDU5 head unit into the dashboard opening.
8. **Reassemble Dashboard:** Carefully reattach all dashboard trim pieces.

Package Contents



Machine



Power Cable + Canbus Box



MIC



RCA Cable



Reversing camera



USB Plug x3



Fakra 4G Antenna



Fakra GPS Antenna
(For DUDU7 only)



Fakra GPS Antenna
(For DUDU6 only)

Figure 4.1: Before and After Installation Example

4.3 Rear Panel Connections

Familiarize yourself with the connection ports on the rear of the DUDU5 unit:

DUDU5

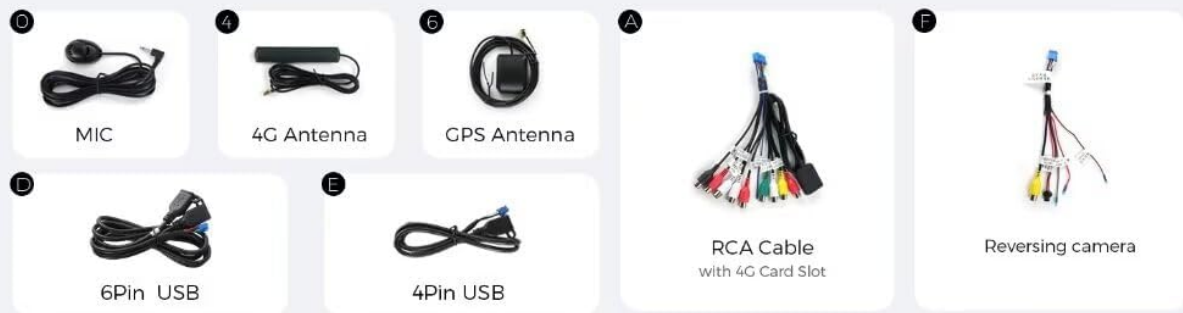
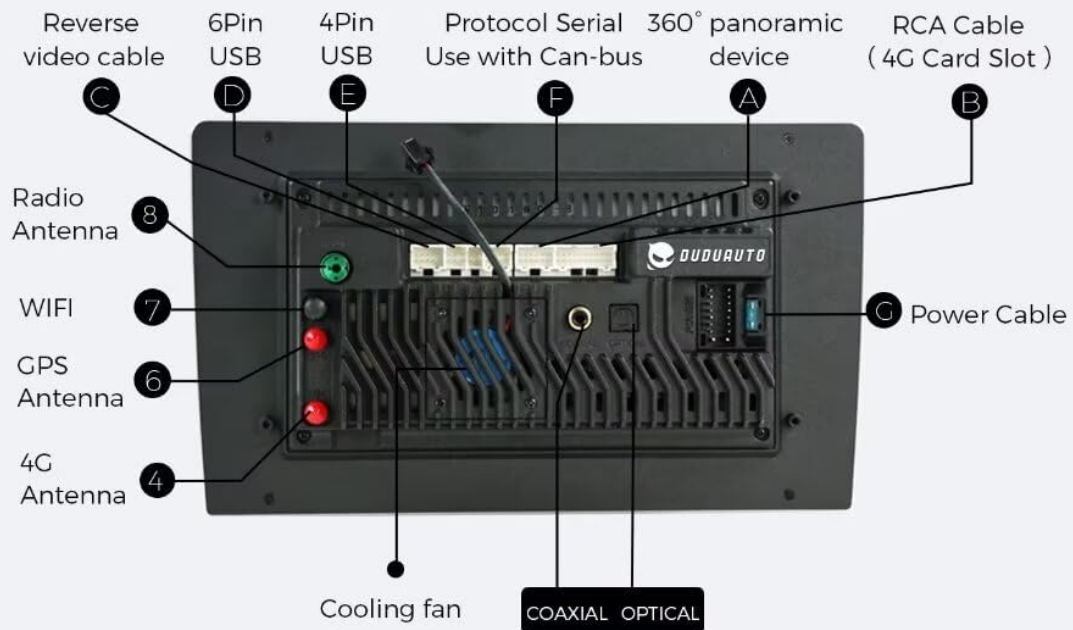


Figure 4.2: DUDU5 Rear Panel Connections

- **Power Cable (G):** Main power and vehicle harness connection.
- **Radio Antenna (8):** For FM/AM radio reception.
- **WiFi (7):** Internal WiFi antenna.
- **GPS Antenna (6):** For navigation and location services.
- **4G Antenna (4):** For 4G LTE connectivity (requires SIM card).
- **Reverse Video Cable (C):** For connecting a reversing camera.
- **6Pin USB (D) & 4Pin USB (E):** For connecting USB devices.
- **Protocol Serial (F):** Used with Can-bus for vehicle data.
- **360 Panoramic Device:** Connection for optional 360-degree camera system.
- **RCA Cable (B):** For audio/video input/output.

5. OPERATING INSTRUCTIONS

The DUDU5 operates on Android 13, offering a familiar and intuitive user interface. The DUDU OS 3.0 provides a

customized experience with dynamic wallpapers and various settings.

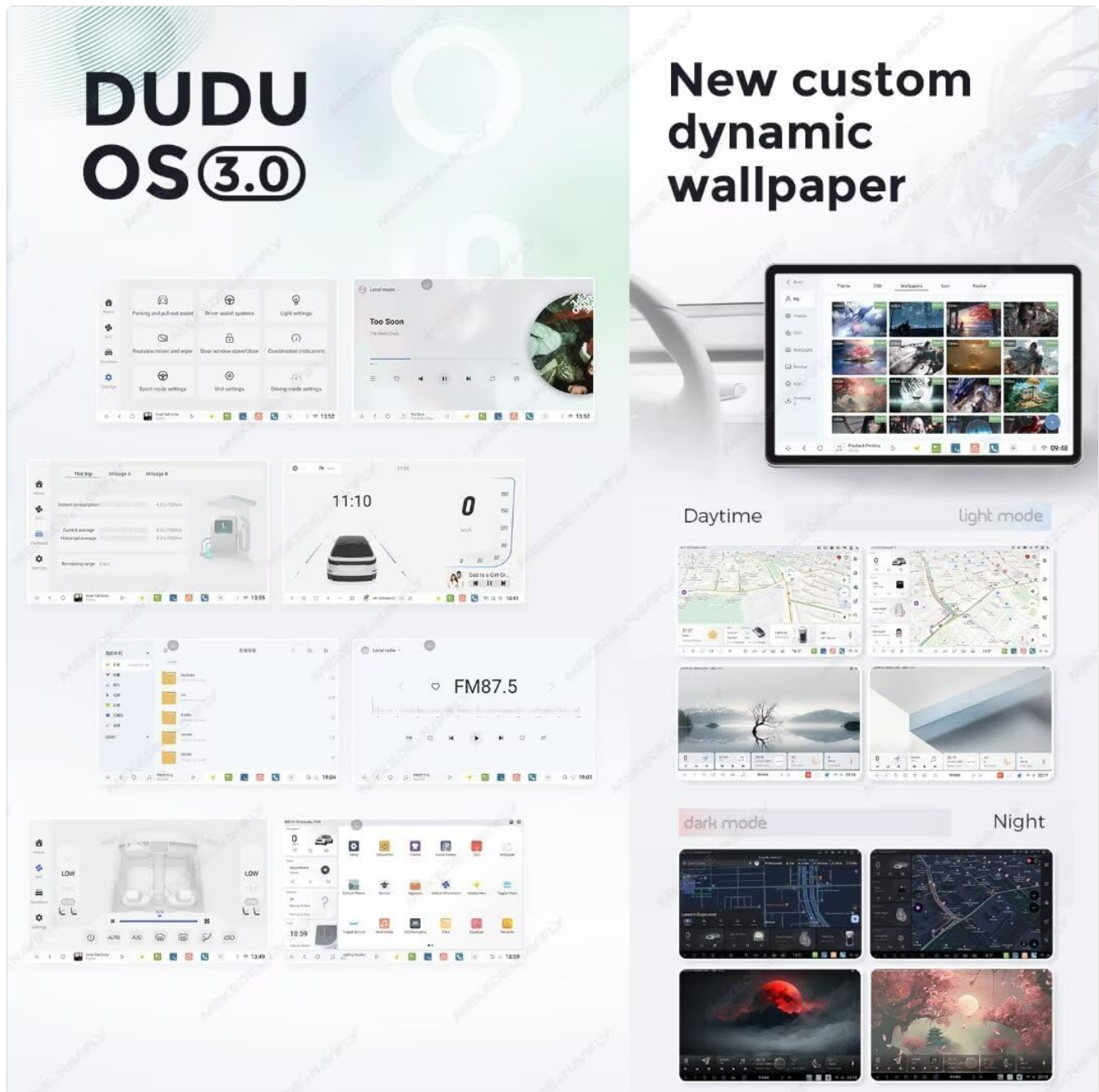


Figure 5.1: DUDU OS 3.0 Interface with Dynamic Wallpapers

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button (if available) or turn on the vehicle ignition.
- **Touchscreen:** Navigate the interface using touch gestures similar to a smartphone or tablet. The 1280x720 in-cell screen provides clear visuals.
- **Volume Control:** Adjust volume using the on-screen controls or the vehicle's steering wheel buttons.
- **Steering Wheel Controls:** The unit retains original steering wheel control functionality for convenience and safety.

in-cell screen 1280*720

Enables clearer, more detailed images and videos.



Figure 5.2: 1280x720 In-Cell Screen Display

5.2 Wireless CarPlay and Android Auto

The DUDU5 supports both wireless and wired CarPlay (for iOS devices) and Android Auto (for Android devices).

Supports wireless Car-play +Android Auto

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



Figure 5.3: Wireless CarPlay and Wired Android Auto Connection

• Wireless CarPlay (iOS):

1. Enable Bluetooth on your iPhone.
2. On the DUDU5, go to the Bluetooth settings and pair with your iPhone.
3. Once paired, select the 'Car Link' or 'CarPlay' application on the head unit.
4. CarPlay will launch automatically.

• Wired Android Auto (Android):

1. Connect your Android phone to the DUDU5 using a USB cable.
2. On the DUDU5, select the 'Car Link' or 'Android Auto' application.
3. Android Auto will launch automatically.

5.3 Bluetooth 5.0

The integrated Qualcomm 3031 Bluetooth 5.0 chip provides stable and high-quality audio streaming and hands-free calling.

- **Pairing:** Go to Bluetooth settings on the head unit, enable Bluetooth on your phone, and select the DUDU5 from the list of available devices.
- **Hands-Free Calling:** Make and receive calls directly from the head unit.
- **Audio Streaming:** Play music from your phone via Bluetooth.

5.4 Internet Connectivity (4G LTE & WiFi)

The DUDU5 supports both 4G LTE (via SIM card) and WiFi for internet access.

- **4G LTE:** Insert a compatible 4G SIM card into the designated slot (if available on your model) to access mobile data.
- **WiFi:** Connect to a nearby WiFi hotspot (e.g., from your phone or a portable hotspot) via the WiFi settings menu.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DUDUAUTO DUDU5 head unit.

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates through the system settings. Updates can improve performance, add features, and fix bugs.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect electronic components.
- **Cable Connections:** Ensure all cables are securely connected. Loose connections can lead to intermittent issues.

7. TROUBLESHOOTING

If you encounter issues with your DUDUAUTO DUDU5, refer to the following common troubleshooting steps:

Problem	Possible Solution
Unit does not power on	Check power cable connections. Ensure vehicle ignition is on. Check vehicle's fuse box.
No sound	Check speaker wire connections. Verify volume level. Ensure audio source is selected correctly.
Touchscreen unresponsive	Restart the unit. Ensure the screen is clean and free of debris.
CarPlay/Android Auto not connecting	For wireless: Ensure Bluetooth is on and paired. For wired: Try a different USB cable. Ensure the 'Car Link' app is selected.
GPS signal weak or inaccurate	Ensure GPS antenna is properly installed and has a clear view of the sky.
Steering wheel controls not working	Verify Canbus box connection and configuration in settings.

If the problem persists after attempting these solutions, please contact customer support.

8. WARRANTY INFORMATION

The MekedeTech DUDUAUTO DUDU5 head unit comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

The warranty does not cover damage caused by:

- Improper installation or unauthorized repairs.
- Accidents, misuse, abuse, or neglect.
- Natural disasters or external causes.
- Normal wear and tear.

Please retain your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or warranty inquiries, please contact MekedeTech customer service.

- **Online Support:** Visit the official MekedeTech store on Amazon for product information and support resources: [MekedeTech Amazon Store](#)
- **Contact Seller:** You can also contact the seller directly through your Amazon order history for specific product support.

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