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› MekedeTech DUDUAUTO DUDU6 Android Car Radio User Manual for Peugeot 408

MekedeTech DUDU6

MekedeTech DUDUAUTO DUDU6 Android Car Radio User Manual

For Peugeot 408 Vehicles

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech DUDUAUTO DUDU6 Android Car Radio. This multimedia head unit is designed specifically for the Peugeot 408, featuring a 9.5-inch touch screen, Android operating system, wireless CarPlay, and Android Auto functionality. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

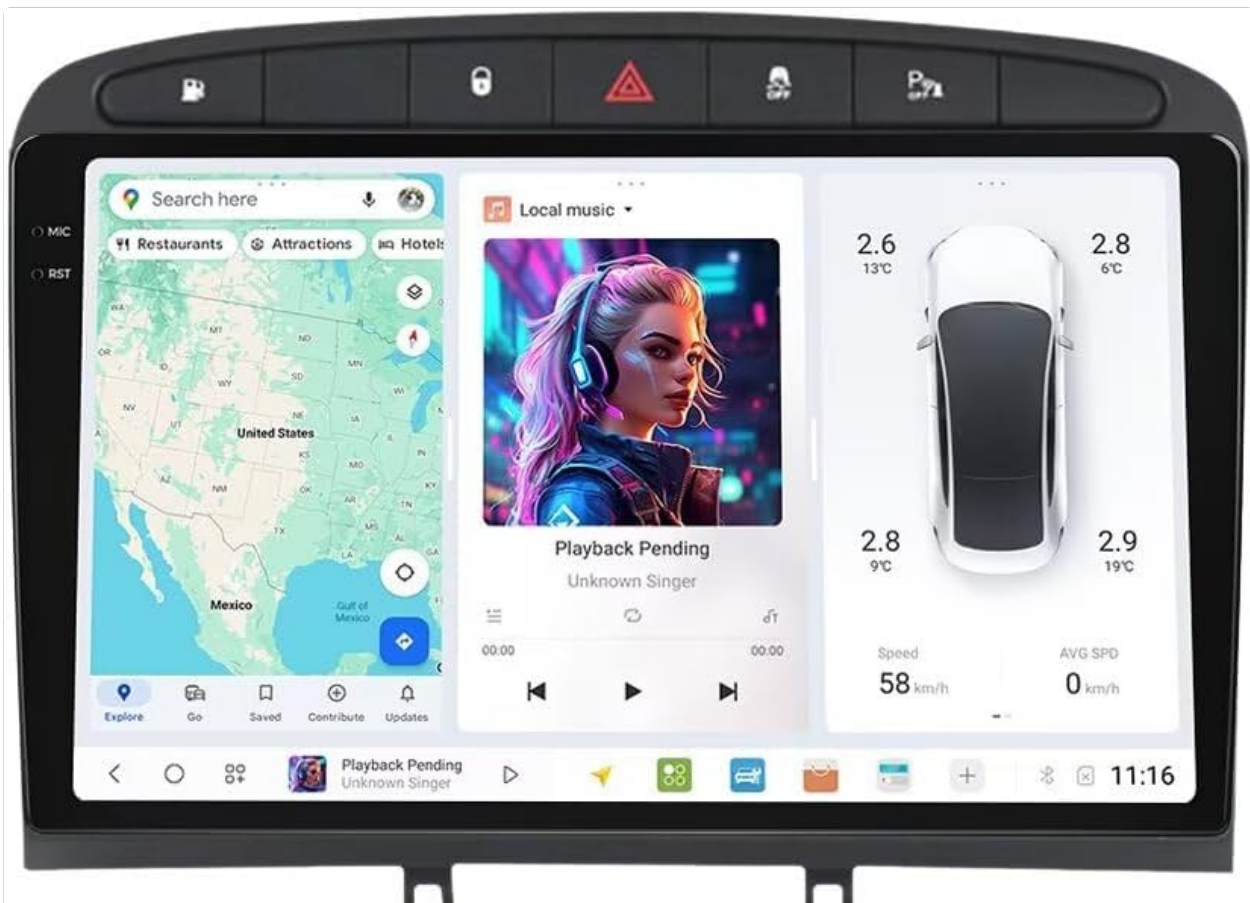


Image 1.1: The MekedeTech DUDUAUTO DUDU6 Android Car Radio main unit, displaying its user interface with navigation, music, and vehicle information widgets.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product package. If any items are missing or damaged, please contact your retailer.

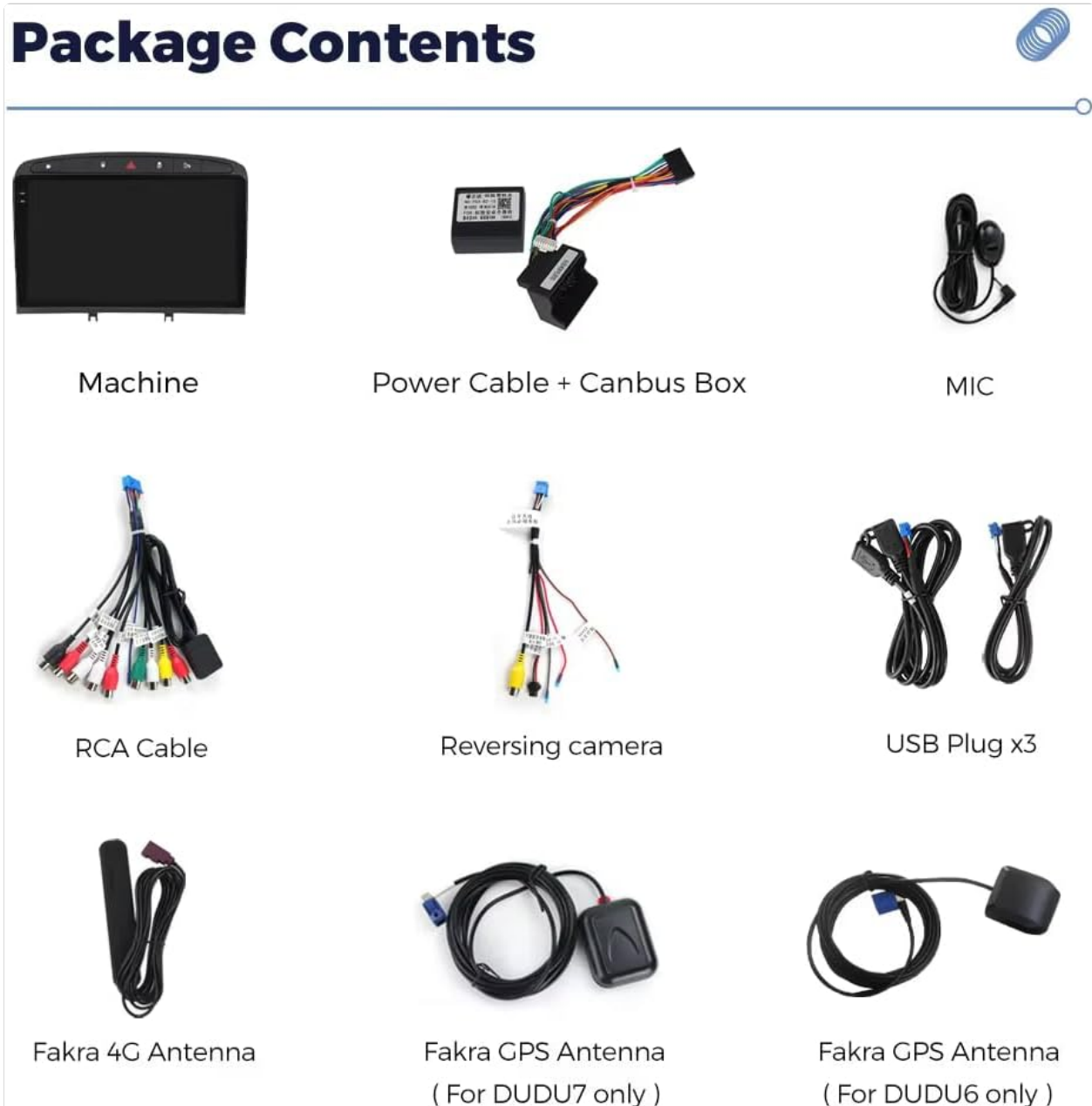


Image 2.1: An overview of the components included in the DUDUAUTO DUDU6 package, showing the main unit, various cables, and antennas.

- Main Head Unit (Machine)
- Power Cable + Canbus Box
- Microphone (MIC)
- RCA Cable
- Reversing Camera Cable
- USB Plugs (x3)
- Fakra 4G Antenna

- Fakra GPS Antenna (for DUDU6 only)

3. SETUP AND INSTALLATION

Professional installation is recommended for this product. Ensure the vehicle's power is disconnected before beginning installation.

3.1 Pre-installation Overview

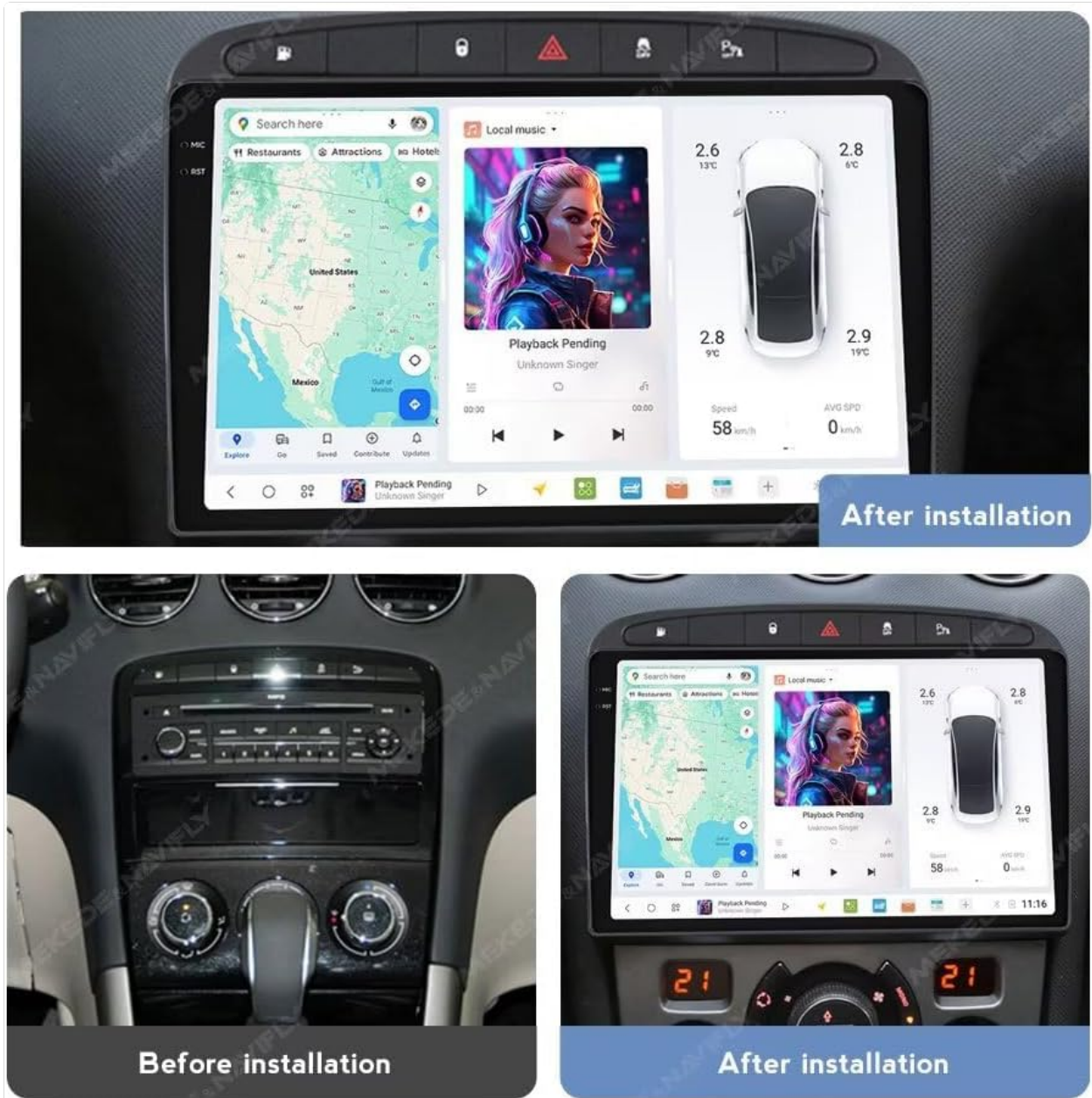


Image 3.1: A comparison showing the original car radio dashboard (Before installation) and the integrated DUDUAUTO DUDU6 unit (After installation) in a Peugeot 408.

The image above illustrates the visual transformation of the dashboard after installing the DUDUAUTO DUDU6 unit. The new unit replaces the factory radio, integrating seamlessly into the vehicle's interior.

3.2 Wiring Connections

Refer to the diagram below for proper connection of all cables and antennas to the main unit.

DUDU6

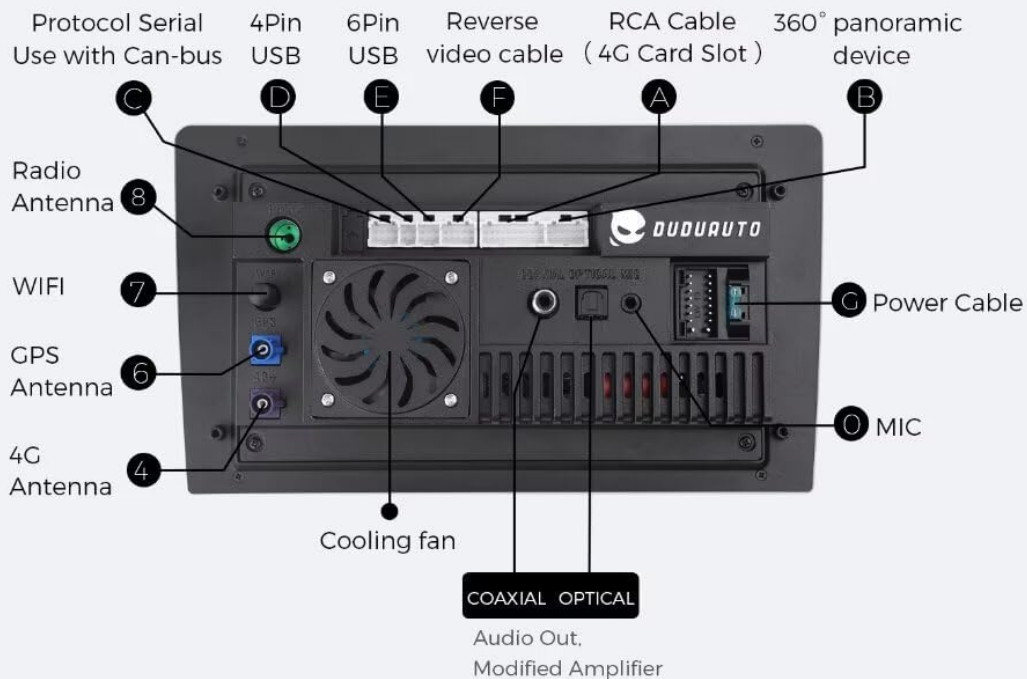


Image 3.2: Detailed diagram of the DUDU6 unit's rear panel, indicating ports for power, antennas (GPS, 4G, WiFi), USB, RCA, microphone, and reversing camera connections.

- **Power Cable (G):** Connect the main power harness to the vehicle's power supply. Ensure the Canbus Box is correctly integrated.
- **MIC (O):** Plug in the external microphone for hands-free calling and voice commands.
- **4G Antenna (4):** Connect the Fakra 4G Antenna for cellular data access.
- **GPS Antenna (6):** Connect the Fakra GPS Antenna for navigation services.
- **WiFi Antenna (7):** Connect the WiFi antenna for wireless network connectivity.
- **Radio Antenna (8):** Connect the vehicle's radio antenna.
- **USB Ports (D, E):** Connect the provided USB cables for external devices or media.
- **RCA Cable (F):** Connect the RCA cable for audio/video input/output.
- **Reverse Video Cable (A):** Connect the reversing camera input.
- **360° Panoramic Device (B):** Connect optional 360-degree camera systems.

3.3 Initial Power-On

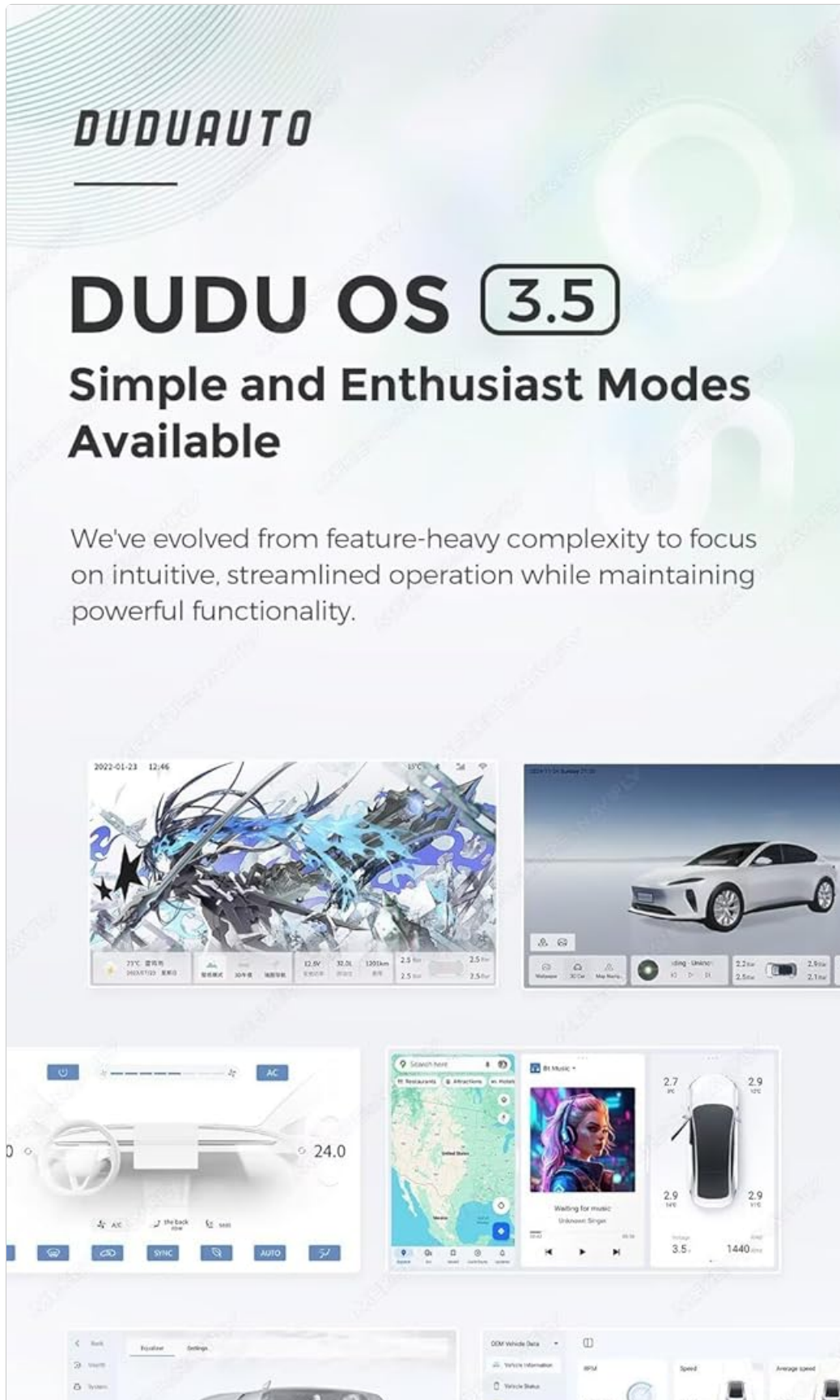
After all connections are secure, reconnect the vehicle's power. The unit should power on automatically or by pressing the power button. Follow the on-screen prompts for initial setup, including language selection and

network configuration.

4. OPERATING INSTRUCTIONS

4.1 Android Operating System

The DUDU6 operates on an Android system, providing a familiar interface similar to a smartphone or tablet. Navigate using the touch screen. Applications can be accessed from the home screen or the app drawer.



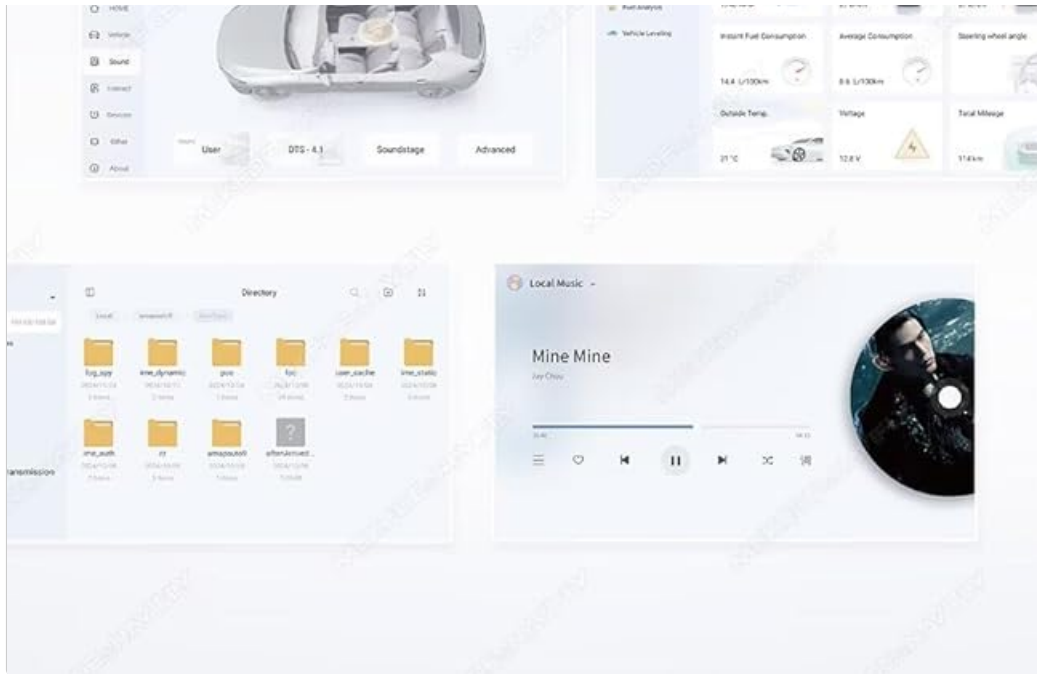


Image 4.1: Various screenshots showcasing the DUDU OS 3.5 interface, including navigation, media playback, vehicle settings, and file management screens.

4.2 Wireless CarPlay & Android Auto

The unit supports both wireless CarPlay for iOS devices and wired/wireless Android Auto for Android devices.

Supports wireless Car-play +Android Auto

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



Image 4.2: A visual guide demonstrating the connection steps for Wireless CarPlay (iOS) via Bluetooth and Wired Android Auto (Android) via USB cable.

4.2.1 Wireless CarPlay (iOS System)

1. Connect your iPhone to the DUDU6 via Bluetooth.
2. On the DUDU6 screen, tap the 'CarPlay' icon.
3. Wait for the connection to establish. (CarPlay can also be connected via USB Cable).

4.2.2 Android Auto (Android System)

1. Connect your Android phone to the DUDU6 via a USB cable.
2. On the DUDU6 screen, tap the 'Car Link' icon.
3. Wait for the connection to establish.

4.3 Bluetooth Connectivity

The unit features a Qualcomm 3031 Bluetooth 5.0 chip for stable and high-quality audio streaming and hands-free calling. To pair a device:

1. Go to the Bluetooth settings on the DUDU6.
2. Enable Bluetooth on your mobile device and search for available devices.

3. Select the DUDU6 from the list and confirm the pairing code.

4.4 4G LTE & Wi-Fi Support

Insert a SIM card into the designated slot for 4G internet access. Alternatively, connect to a Wi-Fi hotspot for internet connectivity. This enables online navigation, streaming, and app downloads.

4.5 Steering Wheel Controls

The DUDU6 is designed to retain your vehicle's original steering wheel control functions. After installation, verify that volume adjustment, track skipping, and mode switching work as expected. If not, consult the Canbus box instructions or the installation guide for configuration.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touch screen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates through the system settings to ensure optimal performance and access to new features.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

6. TROUBLESHOOTING

If you encounter issues with your DUDU6 unit, refer to the following common problems and solutions:

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels on the unit and ensure mute is not activated. Confirm audio output settings.
- **GPS Signal Loss:** Ensure the GPS antenna is properly connected and has a clear view of the sky.
- **Bluetooth/CarPlay/Android Auto Connection Issues:** Ensure Bluetooth is enabled on both devices. For wired connections, try a different USB cable. Restart both the unit and the mobile device.
- **Touch Screen Unresponsive:** Perform a system reset (refer to the unit's settings for reset options). If the issue persists, contact support.

7. SPECIFICATIONS

The MekedeTech DUDUAUTO DUDU6 Android Car Radio features advanced hardware and software components for a superior in-car experience.

Powerful 8Core CPU

Adopts UIS7862S Smart Cockpit chip, 12nm process, Built-in A55 2.0Ghz mega-core



Image 7.1: A close-up rendering of the UIS7862S 8-Core CPU chip, highlighting its advanced architecture.

in-cell screen 1280*720

Enables clearer, more detailed images and videos.



Image 7.2: An illustration of the in-cell screen technology, emphasizing its ability to produce clearer and more detailed images and videos.

MekedeTech DUDUAUTO DUDU6 Key Specifications

| Feature | Specification |
|--------------------|--|
| Operation System | Android 10 |
| CPU | 8 Core UIS7862S (Customized version A55 2.0Ghz 12nm processor) |
| Memory Type | eMMC 5.1 |
| RAM / ROM | 8GB RAM / 256GB ROM |
| Display Resolution | 2000x1200 |
| Display Type | OLED, Capacitive Touch Screen |
| GPS | Dual Band 3 modes L1 B1 E1 |
| Microphone | Digital Noise Cancellation Microphone |

| Feature | Specification |
|------------------------|---|
| USB | USB2.0*3 |
| Power Amplifier | TDA7850 Digital AB type |
| DSP | AKM7738 |
| Bluetooth Chip | Qualcomm 3031 (Supports aptX HD protocol, BT5.0) |
| Audio Output | Optical + Coaxial, RCA 5.1 Channel Outputs |
| WiFi Type | 802.11 a/b/g/n/ac (Support 5G WIFI) |
| Radio IC | TDA7708 |
| Work Voltage | 9V~16V |
| CarPlay & Android Auto | Support Wired and Wireless CarPlay and Android Auto |
| 360 Panorama | Includes 360 panoramic chip by default |

7.1 Model Comparison

The following table provides a comparison of the DUDU6 model with other variants in the series.

| | 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 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 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&navify. | | |

Image 7.3: A detailed comparison table outlining specifications such as RAM/ROM, CPU, memory type, GPS, MIC, USB interface, power amplifier, DSP, BT chip, audio output, WiFi, radio, and screen for DUDU4, DUDU5, DUDU6, and DUDU7 models.

8. WARRANTY INFORMATION

The MekedeTech DUDUAUTO DUDU6 Android Car Radio 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. The warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact MekedeTech customer support through your retailer or the official MekedeTech website. When contacting support, please have your product model (DUDU6) and proof of purchase readily available.

