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MekedeTech DUDU3

MekedeTech 10-inch DUDU3 Android Car Radio Instruction Manual

For Ford Mustang 2010-2014 Models

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech 10-inch DUDU3 Android Car Radio. This head unit is designed specifically for Ford Mustang models from 2010 to 2014, offering an upgraded touch screen experience with wireless Apple CarPlay and Android Auto functionality.
The DUDU3 model features a 10-inch IPS touchscreen with 1280x720 HD resolution, an 8-core processor, 4GB RAM, and 64GB internal storage. It integrates seamlessly with your vehicle's existing systems, including steering wheel controls and air conditioning display.

2. Setup and Installation

The MekedeTech DUDU3 Android Car Radio is designed for a direct plug-and-play installation in Ford Mustang 2010-2014 models. It is compatible with both manual and automatic AC systems, as well as Shaker 500 or Shaker 1000 audio systems. No complex wiring or modifications are typically required for the main unit.

2.1 Package Contents

- 10-inch Touch Screen Head Unit
- Dash Mounting Kit
- Wiring Harnesses (specific to Ford Mustang 2010-2014)
- GPS Antenna
- USB Cables
- External Microphone
- User Manual (this document)

2.2 Installation Steps

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation.
2. **Remove Original Radio:** Carefully remove the factory radio and dashboard trim according to your vehicle's service manual.
3. **Connect Wiring Harness:** Connect the provided wiring harness to the vehicle's factory harness. Ensure all connections are secure.

4. **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, such as on the dashboard or under the windshield.
5. **USB Cables:** Route the USB cables to a convenient location, such as the glove compartment or center console.
6. **Connect Head Unit:** Connect all harnesses and cables to the back of the MekedeTech head unit.
7. **Test Functionality:** Before fully reassembling the dashboard, reconnect the battery and turn on the ignition to test basic functions (power, audio, touch screen, steering wheel controls).
8. **Reassemble Dashboard:** Once confirmed working, carefully reassemble the dashboard trim and secure the head unit.



Image 2.1: Comparison of the Ford Mustang dashboard before and after the installation of the MekedeTech DUDU3 Android Car Radio.

2.3 Backup Camera Wiring (Optional)

If installing an aftermarket backup camera, follow these general wiring guidelines:

- Connect the red wire (+12V) of the camera to the car's reversing light positive.
- Connect the black wire (GND) of the camera to the car's reversing light negative.

- The reverse trigger wire (often labeled "Reverse/Black") from the head unit connects to the vehicle's reverse light positive. This signals the head unit to switch to the camera view when reverse gear is engaged.

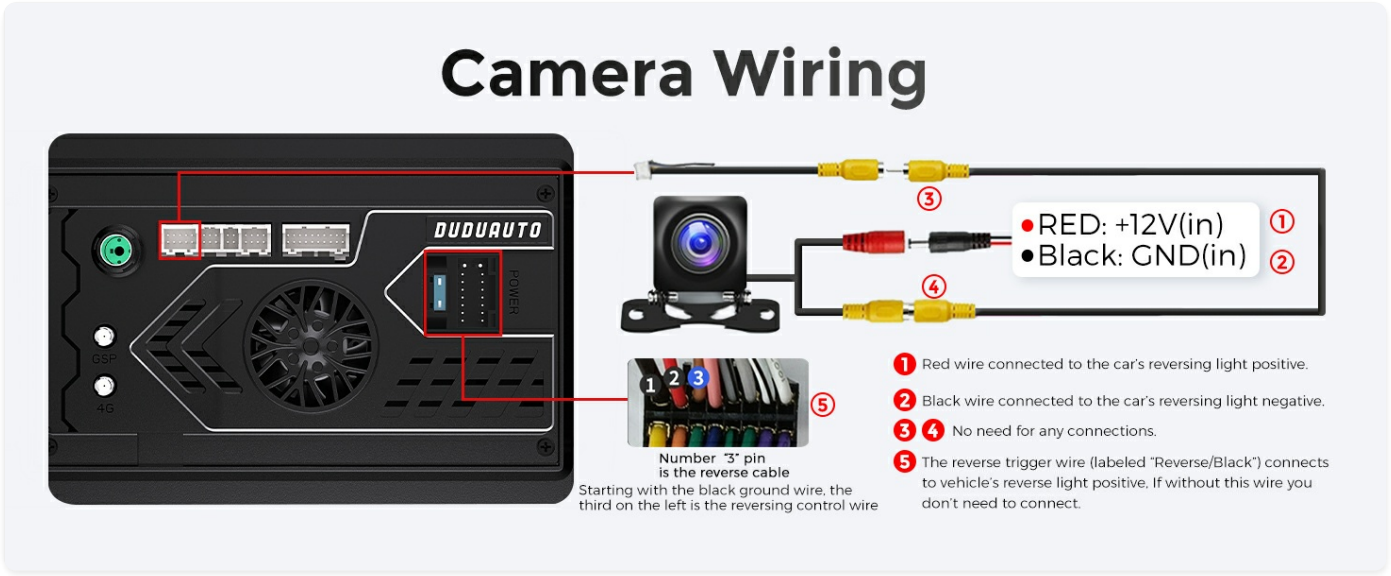


Image 2.2: Detailed wiring diagram for connecting an aftermarket backup camera.

3. Operating Instructions

3.1 Power On/Off and Basic Navigation

Press the power button on the unit or use the vehicle's ignition to turn the unit on or off. Navigate through the Android interface using the 10-inch touchscreen. Swipe, tap, and pinch gestures are supported.

3.2 DUDU OS Interface

The unit operates on DUDU OS, offering a streamlined and intuitive user experience. The interface is designed for ease of use while driving.



Image 3.1: The DUDU OS 3.6 interface, highlighting its intuitive design and available features.

3.3 Wireless Apple CarPlay & Android Auto

Connect your smartphone wirelessly for Apple CarPlay or Android Auto functionality. This allows access to navigation, music, calls, and messages directly from the head unit's screen.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.

2. On the head unit, open the CarPlay/Android Auto application.
3. Follow the on-screen prompts to pair your device.



Image 3.2: Visual representation of the integrated Wireless Car-Play and Android Auto features.

3.4 FM/AM RDS Radio

Access the built-in FM/AM radio tuner. The unit supports automatic and manual station searching. You can drag and drop station icons to customize your channel list.



Image 3.3: The FM/AM RDS Radio interface with station information.

3.5 Air Conditioning Display & Control

The head unit integrates with your vehicle's original air conditioning system, allowing display and control of climate settings directly on the 10-inch screen.



Image 3.4: Integrated air conditioning display and control panel.

3.6 Steering Wheel Controls

The unit retains compatibility with your Ford Mustang's original steering wheel controls. This allows for safe operation of volume, track skipping, and call management without removing your hands from the wheel.



Image 3.5: Demonstrating the use of original steering wheel controls with the new head unit.

3.7 Physical Buttons Overview

The unit features physical buttons for quick access to common functions. Refer to the diagram below for button identification:



Image 3.6: Labeled diagram of the physical control buttons on the head unit.

- **1. Air conditioner switch:** Toggles the AC system.
- **2. Front Defrost:** Activates front defroster.
- **3. Rear Defrost:** Activates rear defroster.
- **4. AM/FM Radio:** Switches to radio mode.
- **5. Music:** Opens music player.
- **6. Back:** Navigates back in menus.
- **7. Temperature ++ --:** Adjusts temperature up or down.
- **8. Fan +- :** Adjusts fan speed up or down.
- **9. MENU:** Accesses main menu or settings.
- **10. BT:** Activates Bluetooth.
- **11. Navigation:** Opens navigation application.
- **12. inner-cycle mode:** Toggles air recirculation.
- **13. Maximum cooling:** Activates maximum cooling.
- **14. TUNE:** Adjusts radio frequency or track.
- **15. Air Conditioning Compressor:** Toggles AC compressor.
- **16. Volume Control:** Adjusts audio volume.
- **17. SEEK:** Seeks radio stations or tracks.

4. Maintenance

To ensure the longevity and optimal performance of your MekedeTech DUDU3 Android Car Radio, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics screens. Dampen the cloth slightly with water or a screen-safe cleaner if necessary. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates through the unit's settings menu. Updates can provide performance improvements, new features, and security enhancements.

- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables connected to the unit are secure and free from damage. Loose connections can lead to intermittent issues.

5. Troubleshooting

If you encounter issues with your MekedeTech DUDU3 Android Car Radio, refer to the following common troubleshooting steps:

5.1 No Power

- Check vehicle's fuse box for blown fuses related to the radio or accessory power.
- Ensure all power cables are securely connected to the head unit and vehicle harness.
- Verify the vehicle battery is charged.

5.2 No Sound

- Check the volume level on the head unit and ensure it is not muted.
- Verify speaker connections are secure.
- Ensure the correct audio source is selected (e.g., Radio, Bluetooth, CarPlay).

5.3 Touchscreen Unresponsive

- Perform a soft reset by pressing and holding the power button until the unit restarts.
- Ensure the screen is clean and free from debris or moisture.

5.4 CarPlay/Android Auto Not Connecting

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- Forget the device from both the head unit's Bluetooth settings and your phone's Bluetooth settings, then attempt to re-pair.
- Update your smartphone's operating system to the latest version.

If these steps do not resolve the issue, please contact MekedeTech customer support for further assistance.

6. Specifications

Below are the detailed technical specifications for the MekedeTech DUDU3 Android Car Radio:

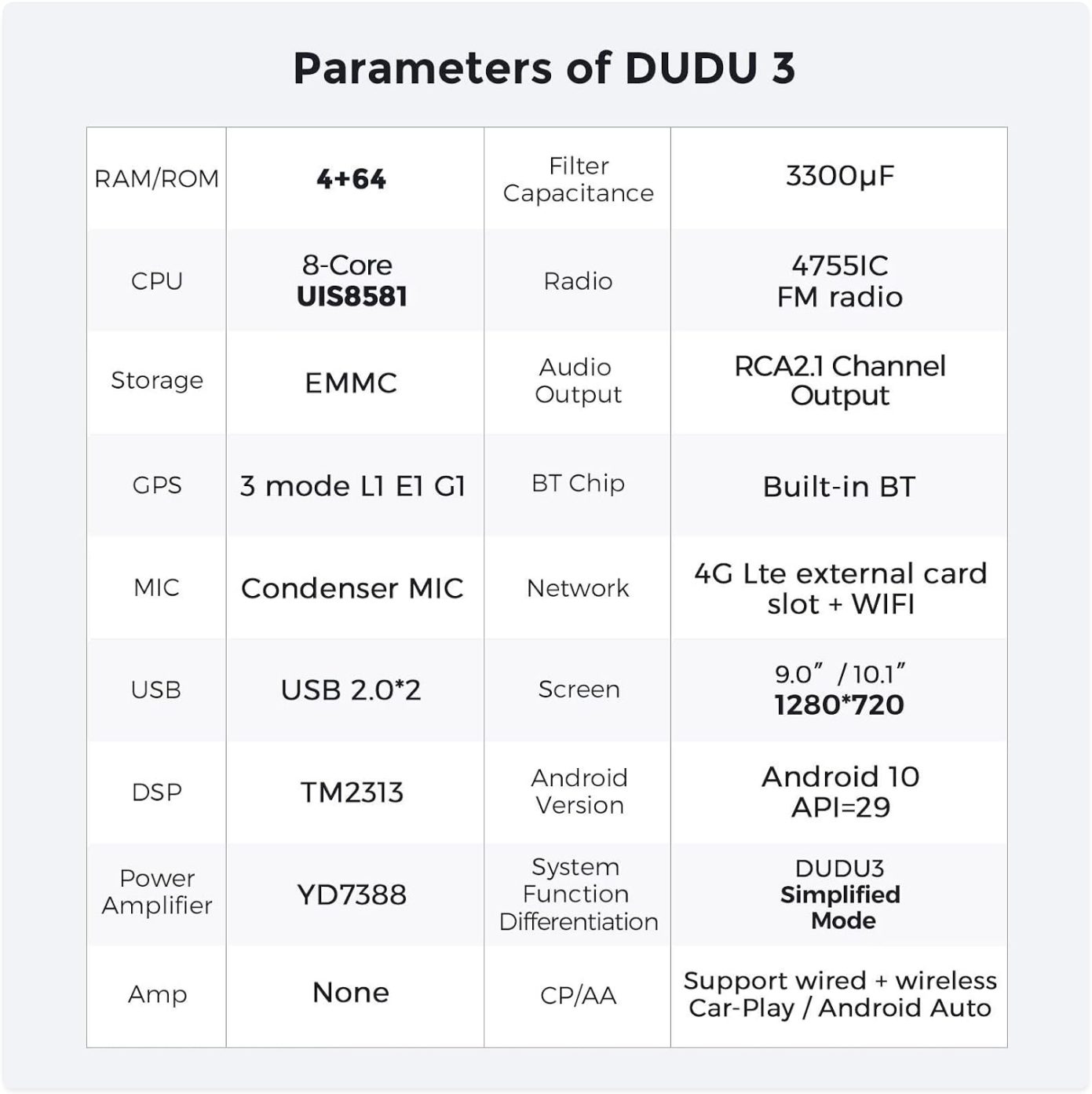


Image 6.1: Key technical parameters of the DUDU3 model.

Feature	Specification
Brand	MekedeTech
Model Number	DUDU3
Operating System	Android (API=29)
CPU	8-Core UIS8581A Smart Cockpit Chip
RAM/ROM	4GB RAM / 64GB Storage (EMMC)
Screen Size	10 inches
Display Type	IPS Capacitive Touchscreen
Resolution	1280 x 720 HD

Feature	Specification
Connectivity	Bluetooth, Dual-Band Wi-Fi, 4G LTE (SIM card not included)
Special Features	Wireless Apple CarPlay, Wireless Android Auto, FM/AM RDS Radio, GPS (GLONASS, GPS), Lane Assist, Touchscreen
Audio Output Mode	Stereo (RCA 2.1 Channel Output)
USB Ports	USB 2.0 * 2
Compatible Flash Memory	Memory Stick, microSD
Microphone	Condenser MIC
Power Amplifier	YD7388
DSP	TM2313



Image 6.2: The powerful 8-Core UIS8581A CPU, central to the unit's performance.



Image 6.3: The 1280x720 in-cell screen, providing clear and detailed visuals.

7. Warranty Information

The MekedeTech DUDU3 Android Car Radio 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, accidental damage, misuse, or unauthorized modifications.
Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the warranty card included with your product or contact customer support.

8. Customer Support

For any questions, technical assistance, or warranty claims, please contact MekedeTech customer support through the following channels:

- **Online Support:** Visit the official MekedeTech website or their Amazon store page for FAQs and contact options.

- **Email:** Refer to the contact information provided in your product packaging.

You can also visit the MekedeTech Store on Amazon for additional product information and support resources.

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