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Biorunn DUDU6

Biorunn DUDUAUTO DUDU6 Android Car Radio User Manual

For Honda Pilot 2016-2021 Models

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Biorunn DUDUAUTO DUDU6 Android Car Radio. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage.

The DUDUAUTO DUDU6 is an advanced Android car stereo system designed for Honda Pilot models from 2016 to 2021, featuring a 10.36-inch 2K QLED display, integrated GPS, wireless CarPlay/Android Auto, DSP, and 5G WiFi connectivity.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Car Stereo Unit
- 1 x Installation Frame
- 1 x Power Cord
- 1 x Canbus Decoder
- 2 x USB Cables
- 1 x RCA Cable
- 1 x Reversing Camera Input Cable
- 1 x Fakra GPS Antenna
- 1 x Fakra 4G Antenna
- 1 x Microphone (MIC)

3. SETUP AND INSTALLATION

Important: Professional installation is recommended. Disconnect the vehicle's battery before beginning installation to prevent electrical damage.

3.1 Pre-Installation Check

- Confirm vehicle compatibility: Honda Pilot 2016-2021.
- Ensure all package contents are present.

- Review your vehicle's existing wiring diagram.

3.2 Wiring Diagram

Refer to the diagram below for proper connection of components. Each port is labeled for clarity.



Image Description: Rear panel of the DUDUAUTO DUDU6 car stereo showing various ports and connections. Labels include: Protocol Serial Use with Can-bus (C), 4Pin USB (D), 6Pin USB (E), Reverse video cable (F), RCA Cable (A - 4G Card Slot), 360 panoramic device (B), Radio Antenna (8), WIFI (7), GPS Antenna (6), 4G Antenna (4), Power Cable (G), and MIC (O). A cooling fan is also visible. Below the main unit, individual cable components are shown: MIC, 4G Antenna, GPS Antenna, 6Pin USB, 4Pin USB, RCA Cable with 4G Card Slot, and Reversing camera.

1. **Power Cable (G):** Connect to the vehicle's main power harness.
2. **Canbus Decoder (C):** Connect to the Canbus port for vehicle data communication.
3. **USB Cables (D, E):** Connect the provided USB cables to the corresponding ports for external device connectivity.
4. **RCA Cable (A):** Connect for audio/video output and input, including the 4G card slot.
5. **Reverse Video Cable (F):** Connect to your reversing camera.

6. **GPS Antenna (6):** Connect the Fakra GPS antenna and mount it in a location with a clear view of the sky.
7. **4G Antenna (4):** Connect the Fakra 4G antenna for mobile data connectivity.
8. **Microphone (O):** Connect the external microphone for hands-free calling and voice commands.
9. **Radio Antenna (8):** Connect the vehicle's radio antenna.
10. **360 Panoramic Device (B):** (Optional) Connect if using a 360-degree camera system.

3.3 Physical Installation

1. Carefully remove the factory car radio and trim panels from your Honda Pilot.
2. Connect all necessary cables to the DUDUAUTO DUDU6 unit as per the wiring diagram.
3. Mount the DUDUAUTO DUDU6 unit into the dashboard using the provided installation frame.
4. Secure all connections and reassemble the trim panels.
5. Reconnect the vehicle's battery.



Image Description: A comparison image showing the car dashboard before and after the installation of the DUDUAUTO DUDU6 car stereo. The "Before installation" image shows the original smaller car stereo unit. The "After installation" image shows the larger 10.36-inch DUDUAUTO DUDU6 unit seamlessly integrated into the dashboard, replacing the original system.

4. OPERATING INSTRUCTIONS

4.1 Initial Power On and System Setup

- Upon first power-on, the system will boot into the DUDU OS3.0 Android interface.
- Follow the on-screen prompts to select language, time zone, and connect to a Wi-Fi network.
- Log in to your Google account to access the Play Store and other Google services.

4.2 DUDU OS Interface

The DUDU OS offers both Simplified and Enthusiast modes for user interface customization.

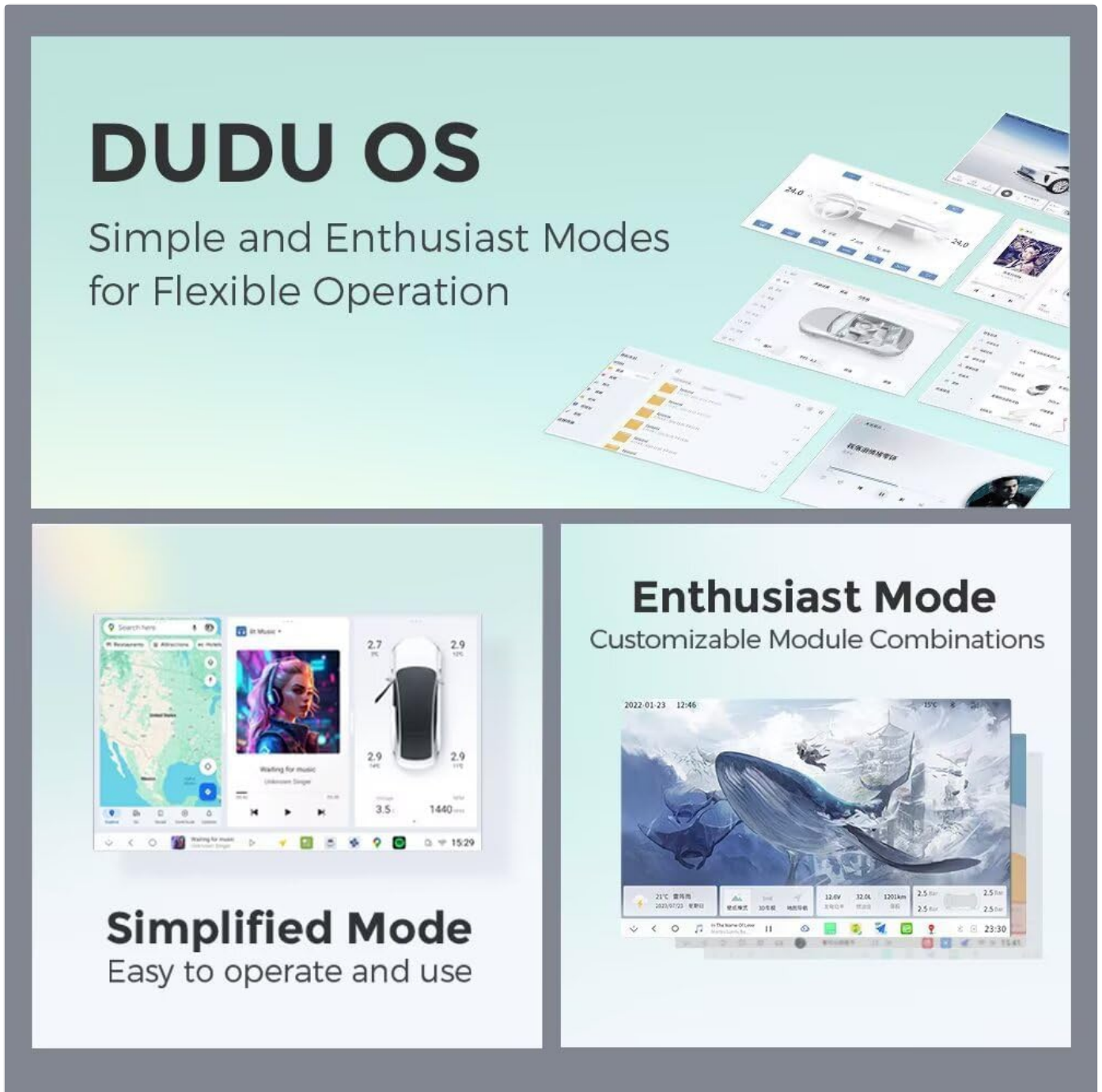


Image Description: A graphic illustrating the DUDU OS interface with two main modes: "Simplified Mode" (easy to operate) showing a clean layout with map, music player, and vehicle status widgets, and "Enthusiast Mode" (customizable module combinations) displaying a more detailed, personalized layout with various widgets and information.

- **Simplified Mode:** Provides an easy-to-operate interface with essential functions readily accessible.

- **Enthusiast Mode:** Allows for customizable module combinations and layouts, including dynamic wallpapers and plug-ins.
- Access settings to switch between modes and customize themes and wallpapers.

4.3 Navigation (GPS)

- The unit supports 3-mode GPS (L1 B1 E1).
- Use pre-installed navigation apps or download your preferred navigation software from the Google Play Store.
- Ensure the GPS antenna has a clear line of sight for optimal signal reception.

4.4 Wireless CarPlay / Android Auto

The DUDUAUTO DUDU6 supports both wired and wireless CarPlay and Android Auto.

1. For Wireless Connection:

- Enable Bluetooth and Wi-Fi on your smartphone.
- On the car stereo, open the CarPlay or Android Auto application.
- Follow the on-screen instructions to pair your phone via Bluetooth. Once paired, the system will establish a Wi-Fi connection for wireless CarPlay/Android Auto.

2. For Wired Connection:

- Connect your smartphone to one of the USB ports using a certified USB cable.
- The system should automatically launch CarPlay or Android Auto.

4.5 Radio (FM/AM/RDS)

- Access the Radio application from the main menu.
- Use the scan function to find available stations or manually tune to a specific frequency.
- RDS (Radio Data System) provides additional information such as station name and program type where available.

4.6 Bluetooth 5.0

The unit features a Qualcomm 3031 BT5.0 chip supporting aptX HD protocol for high-quality audio streaming.

1. Go to the Bluetooth settings on the car stereo.
2. Enable Bluetooth and make the device discoverable.
3. On your smartphone, search for available Bluetooth devices and select "DUDUAUTO" (or similar name).
4. Confirm the pairing code on both devices.
5. Once connected, you can stream audio, make hands-free calls, and sync contacts.

4.7 4G LTE & 5G WiFi

- **4G LTE:** Insert a compatible SIM card into the external card slot (part of the RCA cable assembly) to enable mobile data connectivity.
- **5G WiFi:** Connect to available Wi-Fi networks for internet access. This is essential for OTA updates, app downloads, and online services.

4.8 Voice Control (Optional)

If the optional Voice Control software is purchased and installed, you can use voice commands for various functions. Refer to the specific instructions provided with the Voice Control software for usage details.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the QLED screen. Do not use abrasive cleaners or solvents.
- **Software Updates (OTA):** The system supports Online Over-The-Air (OTA) updates. Connect to a stable Wi-Fi network and check for updates periodically in the system settings to ensure optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| Unit does not power on. | Loose power connection, blown fuse, incorrect wiring. | Check power cable connections. Inspect vehicle fuses. Verify wiring against the diagram. |
| No sound output. | Volume too low, mute activated, speaker wiring issue, incorrect audio source. | Increase volume. Check mute status. Verify speaker connections. Select correct audio source. |
| GPS signal weak or unavailable. | GPS antenna improperly connected or obstructed. | Ensure GPS antenna is securely connected and mounted in a clear location. |
| CarPlay/Android Auto not connecting. | Bluetooth/Wi-Fi off on phone, incorrect pairing, faulty USB cable. | Enable Bluetooth/Wi-Fi on phone. Re-pair devices. Try a different USB cable. |
| Touchscreen unresponsive. | System freeze, temporary software glitch. | Restart the unit (refer to vehicle manual for power cycle). If issue persists, contact support. |

If troubleshooting steps do not resolve the issue, please contact Biorunn customer support.

7. SPECIFICATIONS

| Feature | Specification |
|------------------|--|
| Operating System | Android (DUDU OS3.0) |
| CPU | 8-Core UIS7862S (A55 2.0GHz, 12nm process) |
| Screen Size | 10.36 Inches |
| Resolution | 2000 x 1200 (2K QLED Touch Screen) |
| RAM | 8GB |
| ROM | 128GB (eMMC 5.1) |
| GPS | 3 mode L1 B1 E1 |
| Microphone | Condenser MIC |
| USB Interface | USB 2.0 x 3 |

| Feature | Specification |
|----------------------|--|
| Power Amplifier | TDA7850 |
| DSP | AKM7738 |
| AMP | 2582 x 3 |
| Audio Output | Fiber + Coaxial RCA 5.1 channel output |
| Bluetooth Chip | BT5.0 Qualcomm 3031 (supports aptX HD) |
| Filter Capacitance | 10000uF |
| CarPlay/Android Auto | Built-in wired + wireless |
| Network | 4G LTE (external card slot) + 5G WiFi |
| Radio | TDA7708 (FM/AM/RDS) |

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Biorunn website. Keep your proof of purchase for warranty claims.

Manufacturer: Shenzhen Rongnan International Electronics Co., Ltd.

First Available Date: February 7, 2025