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> Jufodrca Android 13 Car Head Unit Instruction Manual for Toyota Highlander (2008-2012)

Jufodrca Android 13 10.1-inch Car Head Unit for Toyota Highlander 2008-2012

Jufodrca Android 13 Car Head Unit Instruction Manual

For Toyota Highlander (2008-2012)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Jufodrca Android 13 Car Head Unit. This 10.1-inch multimedia system is specifically designed for Toyota Highlander models from 2008 to 2012, offering a significant upgrade to your vehicle's infotainment capabilities. It integrates features such as wireless CarPlay, Android Auto, GPS navigation, Bluetooth 5.4, DSP audio processing, and supports a 1080P AHD backup camera.



Image 1.1: The head unit's display showing active Wireless CarPlay and Android Auto, with voice command examples for navigation and calls.

2. SETUP AND INSTALLATION

The Jufodrca car head unit is designed for a plug-and-play installation in compatible Toyota Highlander models (2008-2012). It includes all necessary components for a complete installation solution.

2.1 Package Contents

- Android Head Unit (10.1-inch)
- Vehicle-specific Wiring Harnesses
- GPS Antenna
- Mounting Brackets
- AHD Backup Camera
- USB Cables
- Radio Antenna Adapter
- CAN BUS Decoder (if applicable for your vehicle trim)
- Installation Tools (e.g., plastic pry tool)

2.2 Pre-Installation Check

Before beginning installation, verify that the provided unit and frame match your vehicle's dashboard configuration. Compare your original dashboard with the fitment images provided to ensure proper alignment and compatibility.



Image 2.1: Visual guide for verifying dashboard compatibility with the new head unit, showing various factory radio configurations.

2.3 Installation Steps (General Guide)

1. **Disconnect Battery:** For safety, disconnect the negative terminal of your vehicle's battery.
2. **Remove Factory Radio:** Carefully remove the trim panels and screws securing the original factory radio. Use the provided plastic pry tool to prevent damage.
3. **Connect Wiring Harnesses:** Connect the vehicle-specific wiring harnesses from the new head unit to your car's existing wiring. Ensure all connections are secure.
4. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
5. **Install Backup Camera:** Route the backup camera cable from the rear of the vehicle to the head unit. Connect the camera to the designated input.
6. **Test Unit:** Before fully reassembling the dashboard, reconnect the battery and power on the unit to test basic functions (power, audio, touch screen, CarPlay/Android Auto, backup camera).
7. **Secure Head Unit:** Mount the new head unit using the provided brackets and screws.
8. **Reassemble Dashboard:** Reinstall all trim panels and secure them properly.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

The unit powers on automatically with the vehicle's ignition. To manually power off or restart, press and hold the power button (if available) or use the system settings menu.

3.2 Touch Screen Navigation

The 10.1-inch IPS touch screen allows for intuitive control. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom gestures for maps.

3.3 Wireless CarPlay & Android Auto

Connect your smartphone wirelessly for seamless integration of Apple CarPlay or Android Auto. This allows access to navigation, music, calls, and messaging directly from the head unit's display.

- Ensure your phone's Wi-Fi and Bluetooth are enabled.
- On the head unit, select the CarPlay or Android Auto application.
- Follow the on-screen prompts to pair your device via Bluetooth first, then confirm the Wi-Fi connection.

3.4 GPS Navigation

The unit supports various navigation applications. Ensure the GPS antenna is properly installed for accurate positioning. You can use pre-installed maps or download others from the app store.

3.5 Bluetooth 5.4 Connectivity

Pair your phone via Bluetooth for hands-free calling and audio streaming.

- Go to the Bluetooth settings on the head unit.
- Enable Bluetooth on your phone and search for available devices.
- Select the head unit's name from your phone's list and confirm pairing.



Image 3.1: Illustration of the dedicated Bluetooth 5.4 module and antenna, highlighting improved call quality and music streaming.

3.6 Steering Wheel Controls (SWC)

The unit is compatible with your vehicle's original steering wheel controls. After installation, you may need to configure the SWC mapping in the system settings to ensure proper function of volume, track skip, and call controls.



Image 3.2: Demonstrates the integration of steering wheel controls for safe operation of the head unit.

3.7 Backup Camera

When the vehicle is shifted into reverse, the display automatically switches to the AHD 1080P backup camera feed, providing a clear view of the area behind your vehicle. Parking guidelines may be displayed to assist with maneuvering.

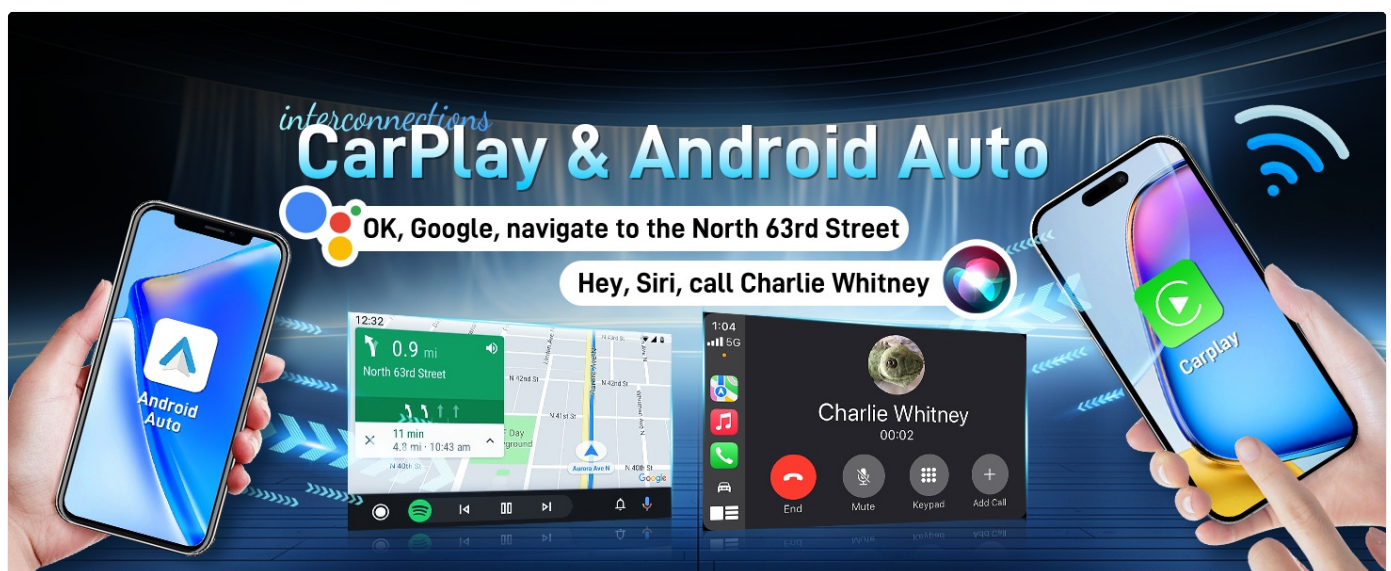


Image 3.3: The head unit displaying the 1080P AHD backup camera feed, enhancing safety during reverse maneuvers.

4. FEATURES OVERVIEW

4.1 High-Resolution IPS Touch Screen

The 10.1-inch IPS display features a 1280x800P resolution, offering superior clarity, vibrant colors, and wide viewing angles. The smart screen brightness adjusts automatically with your headlights to prevent glare.



Image 4.1: Visual comparison demonstrating the enhanced clarity and stable color gamut of the 1280x800P IPS HD touch screen.

4.2 Powerful Performance

Equipped with a high-efficiency 4-core processor, 4GB RAM, and 64GB ROM, the system ensures smooth multitasking and responsive operation for all applications, including navigation and media playback.



Image 4.2: Internal components diagram showing the 4GB RAM, 64GB ROM, 4-core processor, and Bluetooth 5.4 for robust performance.

4.3 WiFi6 & OTA Updates

Integrated WiFi6 provides faster internet speeds and a more stable connection. The unit supports Over-The-Air (OTA) updates, allowing for convenient software enhancements and feature additions.



Image 4.3: Highlights the benefits of 5G WiFi for faster internet and OTA updates for continuous system improvement.

4.4 Digital Sound Processor (DSP)

The built-in DSP and TDA7388 amplifier chip allow for precise audio tuning, ensuring enhanced sound quality and compatibility with the factory JBL audio system.

5. MAINTENANCE

5.1 Screen Cleaning

Use a soft, lint-free cloth slightly dampened with water or a screen-safe cleaner to wipe the display. Avoid abrasive materials or harsh chemicals.

5.2 Software Updates

Periodically check for available OTA software updates in the system settings. Keeping your unit updated ensures optimal performance, security, and access to new features.

5.3 General Care

Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods. Ensure all connections remain secure to prevent intermittent issues.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, incorrect wiring.	Check all wiring connections. Verify vehicle fuses. Ensure battery is connected.
No sound	Volume too low, mute activated, incorrect audio settings, loose speaker wires.	Increase volume. Check mute status. Verify audio output settings. Inspect speaker connections.
Touch screen unresponsive or delayed	System lag, temporary software glitch.	Restart the unit. Perform a factory reset if the issue persists (note: this will erase data).

Problem	Possible Cause	Solution
CarPlay/Android Auto not connecting	Bluetooth/Wi-Fi off on phone/unit, incorrect pairing, phone software issue.	Ensure Bluetooth and Wi-Fi are active on both devices. Re-pair the phone. Update phone OS.
GPS signal weak or inaccurate	GPS antenna obstructed or improperly installed.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
Backup camera not displaying	Camera cable loose, camera power issue, incorrect input selection.	Check camera wiring and power supply. Ensure the unit is correctly detecting reverse gear.

7. SPECIFICATIONS

Feature	Detail
Brand	Jufodrca
Compatible Vehicle	Toyota Highlander (2008-2012)
Operating System	Android 13
Screen Size	10.1 inches
Display Type	IPS LCD Touchscreen
Screen Resolution	1280x800P
Processor	4-core
RAM	4GB
Internal Storage (ROM)	64GB
Wireless Connectivity	Wireless CarPlay, Android Auto, WiFi6 (5G), Bluetooth 5.4
Navigation	Built-in GPS, supports online/offline maps (North America)
Audio Features	Built-in DSP, TDA7388 amplifier chip, supports factory JBL audio
Backup Camera	AHD 1080P, IP67 waterproof, 170° wide-angle, night vision
Control Method	Touchscreen, App, Steering Wheel Controls (SWC)
Included Components	GPS Antenna, Mounting Brackets, Backup Camera, Wiring Harnesses

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Please refer to your purchase documentation or contact the seller for specific warranty terms and conditions. Typically, electronic products come with a manufacturer's limited warranty covering defects in materials and workmanship.

8.2 Technical Support

For technical assistance, installation queries, or troubleshooting beyond this manual, please contact Jufodrca customer support. You can usually find contact information on the product packaging, the seller's website, or through your purchase platform. When contacting support, please have your product model number (B0GLNNBM7X) and a detailed description of the issue ready.

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

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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