

## Jufodrca Jufodrca 10.1" Android 12 Car Stereo Upgrade

# Jufodrca 10.1" Android 12 Car Stereo Upgrade User Manual

Model: Jufodrca 10.1" Android 12 Car Stereo Upgrade

## 1. INTRODUCTION

---

This manual provides detailed instructions for the installation, operation, and maintenance of your Jufodrca 10.1" Android 12 Car Stereo Upgrade. Please read this manual thoroughly before using the product to ensure proper function and safety. This unit is designed to enhance your in-car entertainment and navigation experience with advanced features.

### Vehicle Compatibility

- Jeep Wrangler/Unlimited (2007–2017)
- Jeep Grand Cherokee (2005–2011)
- Jeep Compass/Patriot (2009–2016)
- Jeep Liberty (2008–2011)
- Jeep Commander (2008–2011)
- Chrysler Town & Country (2007–2010)
- Dodge Grand Caravan (2011–2014)
- Dodge Charger (2008–2010)

Please confirm your vehicle model and year before installation to ensure proper fitment and functionality.

## 2. SETUP AND INSTALLATION

---

### Included Components

The package includes the following items:

- 1x Car radio unit
- 2x USB Cables
- 1x CanBus decoder
- 1x Antenna Adapter Cable
- 1x Backup Camera
- 1x Reversing Line
- 1x GPS Module
- 1x Power cable
- 1x RCA Cable
- 1x Crowbar (for trim removal)

## Installation Overview

Installation typically involves removing the existing car stereo, connecting the provided wiring harnesses, and mounting the new unit. Professional installation is recommended if you are unfamiliar with car audio wiring.

Your browser does not support the video tag.

**Video 2.1:** Wiring Guide for 4-core Car Radio Installation. This video demonstrates the connection process for the power cable, Canbus box, RCA cables, USB cables, and GPS antenna.

## Wiring Connections

1. **Power Cable:** Connect the main power cable to the corresponding port on the back of the head unit. Ensure a secure connection.
2. **Canbus Box:** If your vehicle requires a Canbus decoder for steering wheel controls or other vehicle data, connect the Canbus box to the designated 8-pin connector on the wiring harness.
3. **RCA Cables:** Connect the 20-pin RCA cable harness for audio output, auxiliary input, and video input/output.
4. **USB Cables:** Connect the 4-pin and 6-pin USB cables to the unit for external USB devices and charging.
5. **GPS Antenna:** Connect the GPS antenna to the dedicated port on the unit. Position the antenna in a location with a clear view of the sky for optimal signal reception.
6. **Microphone:** Connect the external 3.5mm microphone for improved call quality.
7. **Rear Camera Signal Wire:** Connect the 10-pin rear camera signal wire and video input for the backup camera functionality.



**Figure 2.2:** Visual comparison of a car interior before and after the Jufodra car stereo upgrade, showing the enhanced appearance.

### 3. OPERATING INSTRUCTIONS

#### System Overview

Your Jufodrca car stereo runs on Android 12, powered by a 1.3GHz Quad-Core CPU with 2GB RAM and 64GB storage. The 10.1-inch 1280×800 HD touchscreen provides a responsive and clear interface for all functions.



Figure 3.1: Details of the 1280x800 HD touchscreen, highlighting its color accuracy and display capabilities.

#### Wireless CarPlay & Android Auto

Connect your iPhone or Android device wirelessly to access navigation, music, messages, and calls directly from the stereo's touchscreen or via voice commands. This feature provides a safe and convenient way to use your smartphone's functions while driving.



Figure 3.2: The Wireless CarPlay and Android Auto interface on the Jufodrca car stereo, demonstrating seamless smartphone integration.

#### GPS Navigation

The integrated GPS module supports both offline and online maps, ensuring reliable navigation. Connect to Wi-Fi for map updates and real-time traffic information.



Figure 3.3: GPS navigation in action, showing precise positioning and route guidance on the stereo display.

## Bluetooth Connectivity

Bluetooth 5.0 allows for hands-free calling and audio streaming. Pair your smartphone to make and receive calls, and play music directly through the car's speakers.



Figure 3.4: Bluetooth interface for calls and music, demonstrating hands-free communication and audio streaming.

## FM/RDS Radio

Tune into your favorite FM radio stations. RDS (Radio Data System) provides additional information such as station name and song titles where available.



Figure 3.5: FM Radio interface, providing access to local broadcasts.

## Steering Wheel Control (SWC)

The unit supports steering wheel controls, allowing you to manage audio, calls, and other functions without taking your hands off the wheel. Configuration may be required in the system settings.



Figure 3.6: Steering Wheel Control (SWC) setup screen, enabling customization of button functions.

## Backup Camera

The system supports AHD 720P/1080P backup cameras, providing a clear view of the area behind your vehicle when reversing. The image automatically displays when the vehicle is put into reverse gear.



Figure 3.7: 1080P AHD Backup Camera display, showing clear visuals and parking assistance lines.

## Audio Equalizer (EQ)

Utilize the 15-band EQ for personalized audio tuning. Adjust frequency bands to optimize sound quality according to your preferences.



Figure 3.8: Audio Equalizer (EQ) interface for fine-tuning sound output.

## 4. MAINTENANCE

---

### Cleaning the Touchscreen

To clean the touchscreen, use a soft, lint-free cloth. For stubborn smudges, lightly dampen the cloth with a screen cleaner specifically designed for electronics. Avoid abrasive materials or harsh chemicals that could damage the screen.

### Software Updates

Periodically check for software updates through the system settings. Updates can provide new features, performance improvements, and bug fixes. Ensure a stable Wi-Fi connection during the update process.

### Connection Integrity

Ensure all wiring connections remain secure. Loose connections can lead to intermittent functionality or poor performance. If you experience issues, check the connections behind the unit.

## 5. TROUBLESHOOTING

---

If you encounter issues with your Jufodrca car stereo, refer to the following common problems and solutions:

- **Unit does not power on:**
  - Check all power connections to ensure they are securely plugged in.
  - Verify the vehicle's fuse for the stereo is intact.
- **Poor sound quality or no audio:**
  - Ensure all speaker wires and RCA cables are correctly connected.
  - Check the equalizer (EQ) settings; reset to default if necessary.
  - Verify the volume is not muted or set too low.
- **Bluetooth or CarPlay/Android Auto connectivity issues:**
  - Ensure Bluetooth is enabled on both the stereo and your smartphone.
  - Delete previous pairings and attempt to re-pair the device.
  - Restart both the stereo and your smartphone.
  - Check for software updates for the stereo.
- **GPS signal loss or inaccurate positioning:**
  - Ensure the GPS antenna is properly connected and positioned with a clear view of the sky.
  - Check for any obstructions blocking the antenna's signal.
  - Update map data if available.
- **Steering Wheel Controls not working:**
  - Verify the Canbus box (if applicable) is correctly installed and connected.
  - Access the SWC learning function in the stereo settings and re-program the buttons.
- **Backup camera not displaying:**
  - Check the 10-pin rear camera signal wire and video input connection.
  - Ensure the camera is receiving power and is functioning correctly.

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

## 6. SPECIFICATIONS

Feature	Detail
Screen Size	10.1 Inches
Resolution	1280*800 IPS Touchscreen
Operating System	Android 12
Processor	1.3GHz Quad-Core CPU
Memory (RAM)	2GB
Storage (ROM)	64GB
Connectivity	Bluetooth 5.0, USB, Wi-Fi (2.4G/5G Dual-Band)
Special Features	Wireless CarPlay, Android Auto, FM/RDS, EQ, HiFi, GPS, SWC, Mirror Link
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	3.58 pounds
Package Dimensions	12.05 x 8.31 x 5.59 inches

## 7. WARRANTY AND SUPPORT

### Product Warranty

This product comes with a standard manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and conditions.

### Optional Protection Plans

Extended protection plans are available for purchase to cover your device beyond the standard warranty period:

- **2-Year Protection Plan:** Extends coverage for 24 months.
- **3-Year Protection Plan:** Extends coverage for 36 months.
- **Complete Protect:** A monthly plan covering eligible past and future purchases.

For details on pricing and coverage, please consult the retailer where you purchased the product.

### Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Jufodrca customer support through the

retailer's platform or the official brand website. Have your product model and purchase information ready when contacting support.