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› Jufodrca 10-inch IPS Touchscreen Car Stereo for Dodge Ram 1500/2500/3500 (2009-2012) User Manual

Jufodrca 8 Core 2GB RAM+32GB ROM

Jufodrca 10-inch IPS Touchscreen Car Stereo User Manual

Model: 8 Core 2GB RAM+32GB ROM
Compatible with Dodge Ram 1500, 2500, 3500 (2009-2012)

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1. INTRODUCTION

Thank you for choosing the Jufodrca 10-inch IPS Touchscreen Car Stereo. This manual provides detailed instructions for the installation, operation, and maintenance of your new car stereo system. This unit is designed for Dodge Ram 1500, 2500, and 3500 models manufactured between 2009 and 2012. It features an 8-core processor, 2GB RAM, and 32GB ROM, running on Android 13, and includes Wireless CarPlay, Android Auto, Bluetooth 5.0, 5G WiFi, GPS Navigation, and a 1080P HD Backup Camera.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of vehicle electronics, professional installation is highly recommended to prevent damage to the unit or your vehicle.
- **Power Disconnection:** Always disconnect the vehicle's battery before beginning any installation or wiring work to avoid electrical shorts and damage.
- **Wiring:** Ensure all wiring connections are secure and properly insulated. Incorrect wiring can lead to malfunctions or fire hazards.
- **Driving Safety:** Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- **Temperature Extremes:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this may affect performance and longevity.
- **Moisture:** Keep the unit dry. Exposure to moisture can cause damage.

3. PACKAGE CONTENTS

Please check the package contents against the list below. If any items are missing or damaged, contact your

retailer.



Image: A visual representation of the included components, such as the main head unit, reversing cable, GPS antenna, backup camera, microphone, USB cables, CAN BUS decoder, crowbar tool, power cable, and RCA cables.

- Jufodrca 10-inch Car Stereo Head Unit
- Power Cable Harness
- RCA Cables
- GPS Antenna
- USB Cables (6-pin and 4-pin)
- Backup Camera (1080P AHD)
- Microphone
- CAN BUS Decoder
- Installation Tool (Crowbar)
- Reversing Cable
- User Manual (this document)

4. SETUP & INSTALLATION

4.1 Vehicle Compatibility

This car stereo is specifically designed for Dodge Ram 1500, 2500, and 3500 models from 2009 to 2012. Ensure your vehicle's dashboard matches the compatible configuration shown below.

Steering Wheel Control

Reduce distractions: Adjust music, calls, and navigation without leaving the wheel.



Image: Comparison of a Dodge Ram dashboard before and after the installation of the 10-inch car stereo, highlighting compatible and incompatible dashboard types for models 2009-2012.

4.2 Pre-Installation Steps

1. **Disconnect Battery:** Turn off your vehicle and disconnect the negative terminal of the car battery.
2. **Remove Old Radio:** Carefully remove the existing factory radio and dashboard trim using appropriate tools, such as the included crowbar.
3. **Inspect Wiring:** Familiarize yourself with the vehicle's existing wiring harness.

4.3 Wiring Connections

Connect the provided wiring harnesses to the car stereo and your vehicle's existing wiring. Ensure all connections are firm and correct. Refer to the wiring diagram provided with your specific installation kit for detailed instructions.

- **Power Harness:** Connect the main power harness.
- **CAN BUS Decoder:** Connect the CAN BUS decoder to ensure steering wheel controls and other OEM functions are retained.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **USB Cables:** Route the USB cables to an accessible location, such as the glove compartment or center console.
- **Backup Camera:** Connect the backup camera cable to the designated input on the head unit. Route the camera cable to the rear of the vehicle and mount the camera securely.
- **Microphone:** Connect the external microphone for improved call quality and voice commands.

4.4 Physical Installation

1. **Mount the Unit:** Secure the Jufodrca car stereo into the dashboard opening using the provided mounting brackets.
2. **Reassemble Dashboard:** Carefully reattach any removed dashboard trim pieces.
3. **Reconnect Battery:** Reconnect the negative terminal of the car battery.
4. **Initial Power On:** Turn on your vehicle and power on the car stereo to test all functions.

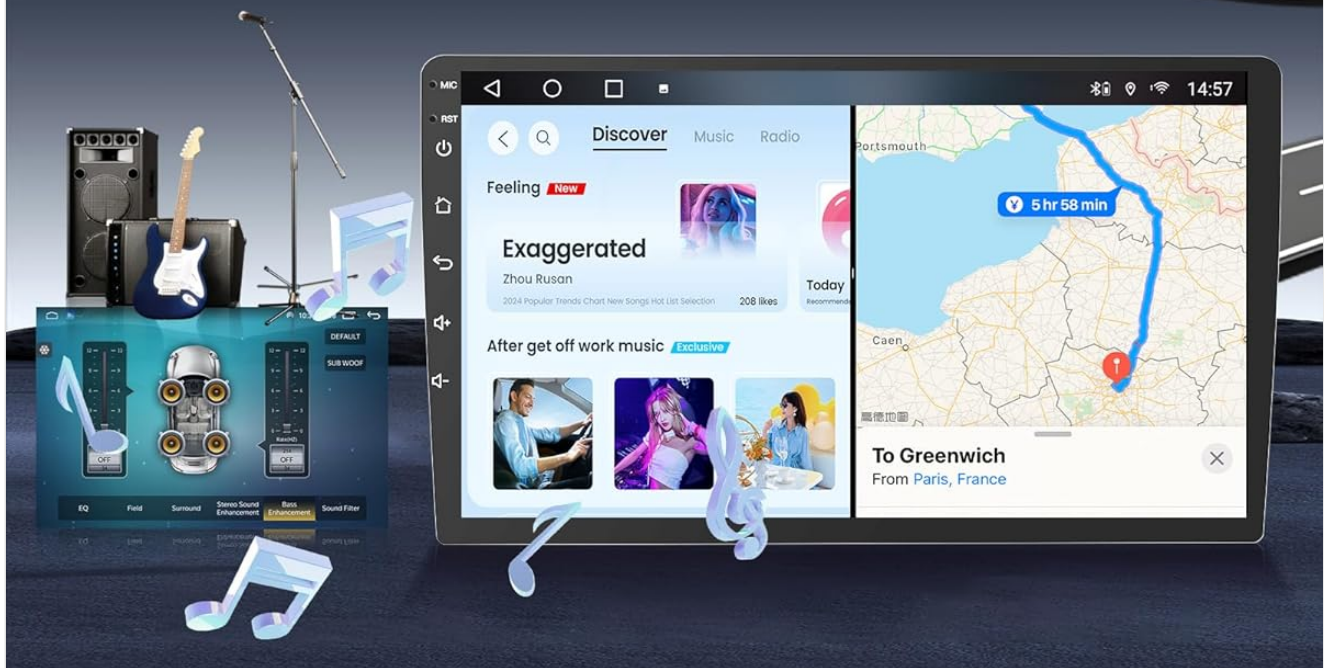
5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Touchscreen:** The 10-inch IPS HD touchscreen is capacitive and supports multi-touch gestures. Navigate through menus and applications by tapping, swiping, and pinching.
- **Volume Control:** Adjust volume using the physical buttons (if available), steering wheel controls, or the on-screen interface.

Split Screen

Split Screen for multitasking between apps



Professional Dsp Sound

DSP technology for high quality sound effects

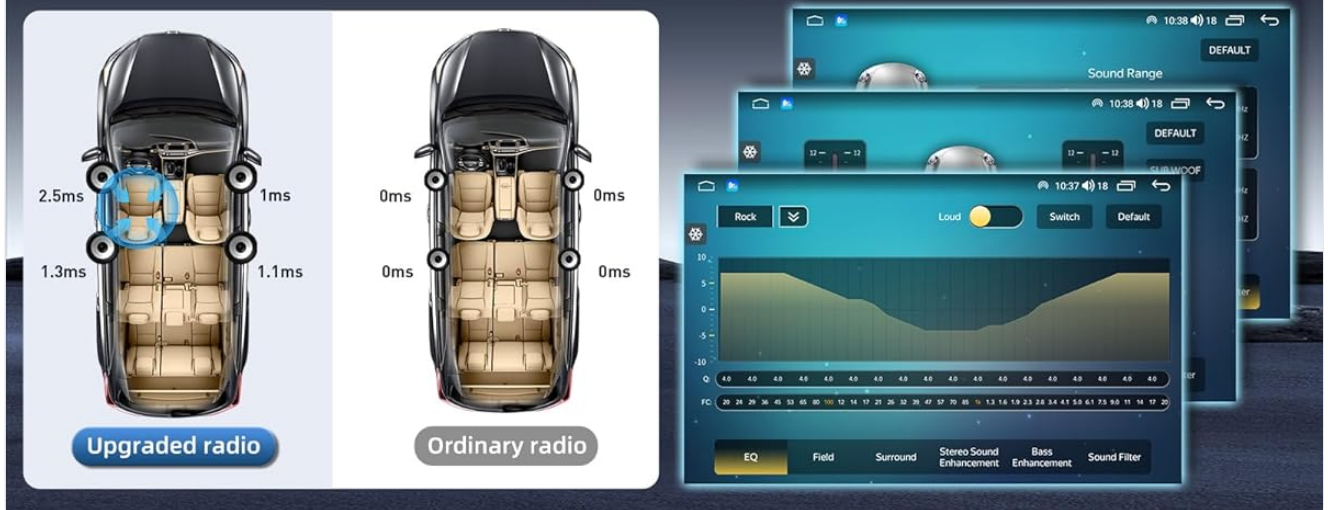


Image: Illustrates the clarity and vibrant colors of the 10-inch 1280x800P IPS HD touchscreen, comparing it to a standard 1280x600P display.

5.2 Wireless CarPlay & Android Auto

Connect your smartphone wirelessly via Bluetooth 5.0 and 5G WiFi to access Apple CarPlay or Android Auto. This allows for seamless integration of phone apps, navigation, calls, and messages.

1. Enable Bluetooth and Wi-Fi on your smartphone.
2. On the car stereo, go to the CarPlay or Android Auto application.
3. Pair your phone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for

CarPlay/Android Auto.

4. Use voice commands (Siri or Google Assistant) for hands-free operation.



Image: Demonstrates the Wireless CarPlay and Android Auto functionality, including voice control for navigation and calls.

5.3 Bluetooth 5.0 Hands-Free Calling & Audio Streaming

The built-in Bluetooth 5.0 module enables fast and stable connections for hands-free calling and audio streaming.

1. Go to the Bluetooth menu on the car stereo.
2. Enable Bluetooth on your phone and search for available devices.
3. Select the car stereo from the list and pair.
4. Once connected, you can make/receive calls and stream music directly from your phone.

5.4 GPS Navigation & 5G WiFi Connection

The unit supports both online and offline navigation. Connect to a 5G WiFi network for real-time traffic updates and online map services.

- **Online Maps:** Connect to a 5G WiFi hotspot (e.g., from your phone) to use online navigation apps.
- **Offline Maps:** Download map data packs for offline use through the application store.
- **App Installation:** Install or delete Android applications from the Application Store, similar to a smartphone.

1080P Backup Camera

The car stereo comes with a night vision camera that automatically displays the rearview mirror when you pull into reverse.



Image: Highlights the 5G WiFi connectivity and OTA update capabilities, showing various applications on the screen and emphasizing network speed benefits.

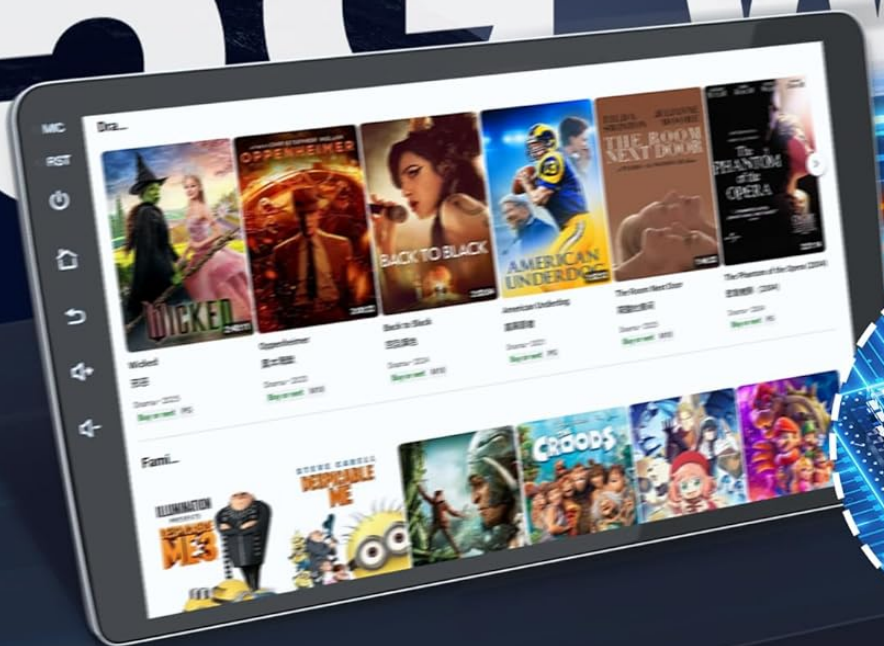
5.5 1080P Backup Camera

The included 1080P AHD waterproof rearview camera provides a wide 170° viewing angle. When shifting into reverse, the display automatically switches to the camera feed, assisting with safer parking and reversing maneuvers.

5G WIFI & OTA Updates

Faster internet speed, more stable connection and wider signal range

5G WIFI



Network Speed

Download speed

Transfer velocity

Image: Shows the 1080P backup camera in action, displaying the rearview on the car stereo screen with parking assistance lines and automatic obstacle warnings.

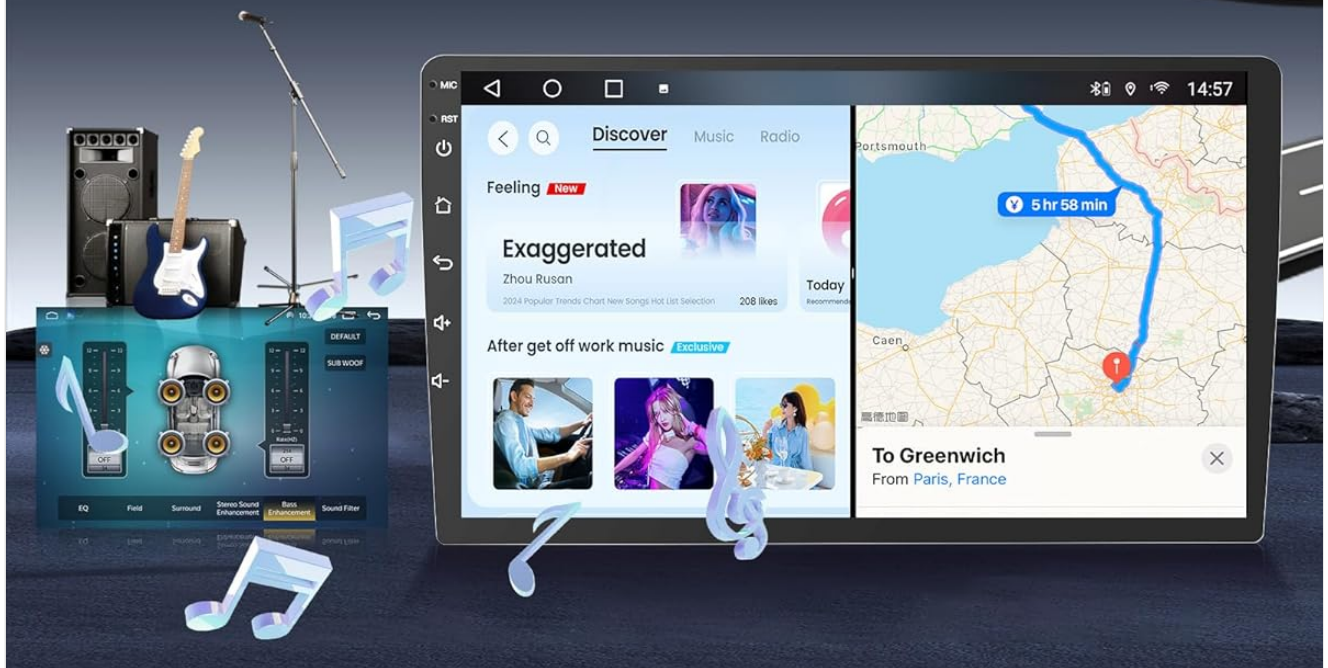
5.6 Steering Wheel Control (SWC)

Retain full control of your stereo without taking your hands off the wheel. The steering wheel control feature allows you to adjust volume, change tracks, manage calls, and access voice assistants effortlessly.

1. After installation, access the SWC settings in the system menu.
2. Follow the on-screen instructions to program each steering wheel button to its corresponding function.
3. Ensure the CAN BUS decoder is correctly connected for proper functionality.

Split Screen

Split Screen for multitasking between apps



Professional Dsp Sound

DSP technology for high quality sound effects



Image: Illustrates the steering wheel control interface, showing how various functions like volume, track change, and call management can be assigned to steering wheel buttons.

5.7 Split Screen Function

The split-screen feature allows you to run two applications simultaneously on the 10-inch display. For example, you can view GPS navigation on one side and control music playback on the other.

1. Open the first application you wish to use.
2. Press and hold the recent apps button or swipe from the bottom (depending on Android version) to enter split-screen mode.

3. Select the second application to display on the other half of the screen.

10 Inch IPS HD Touch Screen

1280*800P HD technology optimizes "sharpness, color, contrast" frame by frame to easily see more details.

HD 1280*800P

2.5D Screen



Other: 1280*600P



Texture is not clear



Ours: 1280*800P



Texture is clearly visible



Image: Depicts the split-screen functionality, showing GPS navigation and music playback running concurrently on the 10-inch display.

5.8 Audio Settings (32-Band EQ & DSP Sound)

Customize your audio experience with the integrated 32-band equalizer and Digital Sound Processor (DSP) technology. This allows for fine-tuning of sound effects to match your preferences.

1. Access the "Sound" or "EQ" settings from the main menu.

2. Adjust the 32-band equalizer to enhance specific frequencies.
3. Utilize DSP settings for features like sound field positioning and bass enhancement.



Image: Illustrates the professional DSP sound features, including the 32-band equalizer interface and sound field adjustments for an optimized audio experience.

5.9 FM Radio

The FM radio allows you to listen to local broadcasts. You can scan for stations and save your favorites.

1. Open the "Radio" application.

2. Use the scan function to find available stations.
3. Press and hold a preset button to save the current station.

5.10 Mirror Link

The Wireless HD Mirror Link feature allows you to project your smartphone's screen onto the car stereo display, providing a larger view of your phone's content.

1. Ensure your phone and the car stereo are connected via Wi-Fi or Bluetooth.
2. Open the "Mirror Link" application on the car stereo.
3. Follow the on-screen instructions to connect your smartphone.

6. MAINTENANCE

6.1 Cleaning the Screen

- Use a soft, lint-free cloth to gently wipe the touchscreen.
- For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution.
- Avoid using harsh chemicals, abrasive materials, or excessive moisture.

6.2 Software Updates (OTA)

The unit supports Over-The-Air (OTA) updates to ensure your system remains current with the latest features and improvements. Connect to a stable 5G WiFi network to check for and install updates.

1. Go to "Settings" > "About Device" > "System Update".
2. Check for available updates.
3. Download and install the update as prompted. Ensure the vehicle is running or the ignition is on during the update process to prevent power interruptions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure car battery is charged.
No sound.	Volume too low, incorrect audio source, speaker wiring issue.	Increase volume. Select correct audio source. Check speaker wiring connections.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone, incorrect pairing, app issues.	Ensure phone's Bluetooth and Wi-Fi are on. Re-pair the device. Restart phone and car stereo.
GPS signal weak or inaccurate.	GPS antenna improperly placed, environmental interference.	Ensure GPS antenna has a clear view of the sky. Avoid placing near metal objects.
Backup camera not displaying.	Camera cable loose, incorrect wiring, camera malfunction.	Check camera cable connection to the head unit and power source. Verify reverse trigger wire connection.
Steering wheel controls not working.	CAN BUS decoder not connected or configured, incorrect SWC settings.	Verify CAN BUS decoder connection. Reconfigure SWC settings in the system menu.
System performance is slow or apps crash.	Too many apps running, insufficient memory, software bug.	Close unnecessary background apps. Clear cache. Perform a factory reset if issues persist (backup data first). Consider uninstalling rarely used apps.

8. SPECIFICATIONS

For Dodge Ram

(2009-2012)



Image: Visual representation of the core specifications including the 8-core processor, 2GB RAM, 32GB ROM, Android 13 operating system, and Bluetooth 5.0.

Feature	Detail
Brand	Jufodrcra
Model	8 Core 2GB RAM+32GB ROM
Compatible Vehicle Type	Dodge Ram 1500/2500/3500 (2009-2012)
Screen Size	10 Inches
Display Type	IPS LCD
Resolution	1280*800P
Operating System	Android 13
Processor	8 Core CPU
RAM	2GB
Internal Storage (ROM)	32GB
Connectivity	Bluetooth 5.0, 5G WiFi, USB
Navigation	GPS (Online/Offline Maps)
Smartphone Integration	Wireless CarPlay, Android Auto, Mirror Link
Backup Camera	1080P AHD, 170° Wide-Angle, Waterproof
Audio Features	32-Band EQ, DSP Sound Effects, FM Radio
Control Method	Touch, Voice, Steering Wheel Control
Item Weight	2.09 Kilograms
GTIN (UPC)	750880902474

9. WARRANTY & SUPPORT

9.1 Warranty Information

Jufodrcra products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of your warranty may vary based on your region and purchase date. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the official Jufodrcra website or contact customer support.

9.2 Customer Support

If you encounter any issues or have questions regarding your Jufodrcra car stereo, please contact our customer support team. You can typically find contact information on the official Jufodrcra website or through your retailer. When contacting support, please have your product model number (8 Core 2GB RAM+32GB ROM) and purchase details ready.

