



Manuals.plus /

› Jensen /

› Jensen CAR813 8-inch Car Stereo Radio User Manual

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Jensen CAR813 8-inch Car Stereo Radio User Manual

Model: CAR813

INTRODUCTION

The Jensen CAR813 is an advanced 8-inch touchscreen car stereo receiver designed to enhance your in-car entertainment and connectivity. Featuring wireless Apple CarPlay and Android Auto, Bluetooth, and inputs for front and rear cameras, this unit provides a comprehensive solution for modern vehicle integration. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your device.

SAFETY INFORMATION

- Always consult a professional for installation to prevent damage to the unit or your vehicle's electrical system.
- Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- Ensure all wiring is properly insulated and secured to prevent short circuits or electrical hazards.
- Keep the unit away from moisture and extreme temperatures.
- Before performing any wiring, disconnect the vehicle's negative battery terminal to avoid electrical shock or damage.

WHAT'S INCLUDED

Verify that all components are present in the package before beginning installation.

- Jensen CAR813 Head Unit
- Wiring Harness
- External Microphone
- GPS Antenna
- Mounting Hardware (screws)

- Radio Removal Tools
- Dash Mount Adapter (for 1 DIN and 2 DIN installation)



Image: All components included with the Jensen CAR813 unit.



Image: Detailed view of the wiring harness and accessories.

INSTALLATION GUIDE

Before You Begin

- Read this manual thoroughly before installation.
- Ensure your vehicle's battery is disconnected.
- Gather all necessary tools (screwdrivers, wire strippers, crimpers, electrical tape).
- Check your vehicle's existing wiring and dashboard space for compatibility.

Wiring Diagram

Carefully connect the wiring harness to your vehicle's electrical system according to the diagram below. Incorrect wiring can cause damage to the unit or vehicle.



Image: Rear view of the CAR813 with connected cables.



Image: Detailed view of the rear connections.

Mounting

The CAR813 supports both single DIN and double DIN installations using the provided dash mount adapter. Secure the unit firmly in the dashboard opening using the mounting hardware.



Image: Mounting bracket for the CAR813.

The 8-inch extra-large screen is adjustable, allowing for optimal viewing angles after installation. Adjust the screen position carefully to avoid obstruction of vehicle controls or vents.



Image: Side view demonstrating the adjustable screen.

OPERATION

Basic Controls

The CAR813 features an intuitive touchscreen interface and physical buttons for essential functions. Familiarize

yourself with the layout for easy operation.



Image: Front view of the CAR813 display.

Apple CarPlay / Android Auto

Connect your compatible smartphone wirelessly or via USB to access Apple CarPlay or Android Auto. This allows you to control key phone features like navigation, music, and messaging directly from the receiver's touchscreen or via voice commands, minimizing driver distraction.

- **Wireless Connection:** Ensure Bluetooth and Wi-Fi are enabled on your phone. Follow the on-screen prompts to pair your device.
- **USB Connection:** Connect your phone to one of the rear USB inputs using a certified USB cable. CarPlay or Android Auto will launch automatically.

Bluetooth Connectivity

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

- **Pairing:** Go to the Bluetooth settings on the CAR813 and your phone. Select 'CAR813' from the list of available devices on your phone.
- **Hands-Free Calling:** Use the touchscreen icons to answer, make, and end calls. The included external microphone ensures clear communication.
- **Audio Streaming:** Play music from your phone through the CAR813's audio system.
- **Push-To-Talk Button:** Activate your smartphone's voice assistant (Siri, Google Assistant) by pressing the dedicated button on the unit.

Camera Inputs

The CAR813 supports both front and rear camera inputs, enhancing safety and awareness while driving or

parking.

- **Rear Camera:** Connect a compatible backup camera to the dedicated rear camera input. The display will automatically switch to the rear camera view when the vehicle is in reverse.
- **Front Camera:** Connect a compatible front camera to the dedicated input. This can be accessed manually through the unit's interface.

USB Playback & Charge

The unit features two rear USB inputs (2.1A charge) for media playback and device charging.

- **Media Playback:** Connect a USB drive containing FLAC or MP3 audio files for direct playback.
- **Charging:** Use the USB ports to charge compatible smartphones and other devices.

TECHNICAL SPECIFICATIONS

Feature	Specification
Screen Size	8 inches
Peak Power	240W (60W x 4) MOSFET
Phone Connectivity	Android Auto, Android Auto Wireless, Bluetooth, CarPlay, CarPlay Wireless
Bluetooth Features	Audio Streaming, External Microphone, Hands-free Calling, Phonebook Support, Voice Activation Button
Inputs	Audio / Video (Rear), Front View Camera, Rear View Camera, USB x 2 (Rear)
USB Charge	2.1A
File Playback	FLAC, MP3
RCA Outputs	3 Pair (Front + Rear + Sub)
RCA Preamp Voltage	4V
Audio Processing	10 Band EQ, Source Level Volume Control, 7 EQ Presets
Chassis Depth	Slim Mount (4 inches)
Product Dimensions	18 x 8 x 14 inches
Item Weight	4 pounds
Model Number	CAR813

TROUBLESHOOTING

If you encounter issues with your Jensen CAR813, refer to the following common problems and solutions:

Problem	Possible Solution
Unit does not power on	Check power and ground connections. Verify vehicle's fuse and the unit's inline fuse. Ensure the ignition wire is receiving power.
No sound from speakers	Check speaker wiring connections. Ensure volume is not muted or set to minimum. Verify amplifier (if used) is powered on. Check fader/balance settings.
Bluetooth connection issues	Ensure Bluetooth is enabled on both the unit and your phone. Delete previous pairings and re-pair. Move phone closer to the unit. Restart both devices.
Apple CarPlay / Android Auto not launching	Ensure your phone is compatible. For wired connection, use a certified USB cable. For wireless, ensure Wi-Fi is also enabled on your phone. Restart your phone and the unit. Check for software updates for the unit.
Screen is unresponsive or frozen	Perform a soft reset by pressing the reset button (if available) or by temporarily disconnecting the vehicle's battery. Ensure the screen is clean and free of debris.
Poor radio reception	Check antenna connection. Ensure antenna is fully extended (if applicable). Consider an antenna booster if in a weak signal area.

CARE AND MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and button crevices.
- **Temperature:** Avoid exposing the unit to extreme temperatures, as this can affect performance and lifespan.
- **Software Updates:** Periodically check the Jensen website for available firmware updates to ensure optimal performance and compatibility.

WARRANTY AND CUSTOMER SUPPORT

Jensen products are designed and manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Jensen website.

If you require technical assistance, troubleshooting, or have questions regarding your Jensen CAR813, please contact Jensen customer support. Contact information can typically be found on the Jensen website or in the product packaging.

Online Resources: Visit the official Jensen website for FAQs, product registration, and additional support materials.