

JVC KD-R435

JVC KD-R435 Car Receiver Instruction Manual

Model: KD-R435

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1. INTRODUCTION

Thank you for purchasing the JVC KD-R435 car receiver. This manual provides detailed instructions for the installation, operation, and maintenance of your new car audio system. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage. Keep this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent accidents, injury, or damage to the unit and vehicle.

- Do not operate the unit in a way that distracts you from driving safely.
- Ensure all wiring is correctly connected to prevent short circuits or electrical fires.
- Consult a qualified technician for installation if you are unsure about any steps.
- Do not disassemble or modify the unit. This may cause accidents, fire, or electric shock.
- Keep the volume at a level where you can still hear outside traffic sounds.
- Avoid exposing the unit to direct sunlight, extreme temperatures, or excessive moisture.

3. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation:

- JVC KD-R435 Car Receiver Unit
- Wiring Harness
- Mounting Sleeve and Trim Ring

- Removal Keys (2)
- Screws
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel Controls

The front panel provides access to all primary controls and the display. Refer to the diagram below for button identification.



Figure 4.1: Front Panel Layout. This image displays the main controls including the volume knob, source button, display, USB port, and AUX input.

- **Volume Knob:** Adjusts audio output level. Press to access menu functions.
- **Source Button:** Cycles through available audio sources (Tuner, CD, USB, Bluetooth Audio, AUX).
- **Display:** Shows current source, track information, radio frequency, and menu options.
- **USB Port:** Connect USB storage devices for MP3/WMA playback.
- **AUX Input:** Connect external audio players using a 3.5mm stereo mini-jack.
- **Detachable Face Panel:** The front panel can be removed for security.

4.2 Rear Connections

The rear of the unit features various connectors for power, speakers, antenna, and external amplifiers. Ensure all connections are secure.



Figure 4.2: Rear Connection Ports. This image illustrates the wiring harness connector, antenna input, and RCA pre-out terminals.

- **Wiring Harness Connector:** Connects to the vehicle's power, ground, and speaker wires.
- **Antenna Input:** Connects to the vehicle's radio antenna.
- **RCA Pre-Out Terminals:** (Rear/Subwoofer Selectable) For connecting external amplifiers.
- **Rear AUX Input:** An additional AUX input for rear-mounted devices.

5. SETUP

5.1 Installation

Proper installation is crucial for optimal performance and safety. If you are not confident in performing the installation yourself, please consult a professional installer.

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Existing Unit:** Carefully remove your old car stereo from the dashboard.
3. **Mounting Sleeve:** Install the supplied mounting sleeve into the dashboard opening. Bend the tabs outward to secure it.
4. **Connect Wiring:** Refer to the wiring diagram (Section 5.2) and connect the wiring harness, antenna, and RCA cables.

5. **Slide Unit In:** Slide the JVC KD-R435 unit into the mounting sleeve until it locks into place.
6. **Reconnect Battery:** Reconnect the negative terminal of your vehicle's battery.
7. **Test Functionality:** Turn on the unit and test all functions (radio, CD, USB, Bluetooth, AUX, volume, balance, fader).

5.2 Wiring Diagram

The following diagram illustrates the standard wiring connections for the JVC KD-R435. Ensure all connections are secure and insulated.

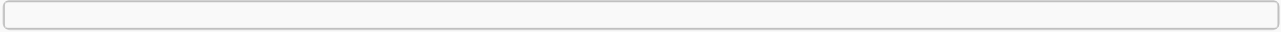


Figure 5.1: Wiring Connections. This diagram shows the color-coded wires for power (yellow, red, black), speakers (white, gray, green, purple with stripes), and other auxiliary connections.

- **Yellow (Constant 12V):** Connect to the vehicle's constant 12V power supply.
- **Red (Accessory 12V):** Connect to the vehicle's switched 12V accessory power.
- **Black (Ground):** Connect to a clean metal ground point on the vehicle chassis.
- **Speaker Wires:** Connect to your vehicle's speakers, observing polarity (+/-).
- **Blue/White (Remote Turn-On):** For connecting to an external amplifier or power antenna.

6. OPERATING INSTRUCTIONS

6.1 Basic Operations

- **Power On/Off:** Press the **SOURCE** button briefly to turn the unit on. Press and hold the **SOURCE** button to turn it off.
- **Volume Control:** Rotate the **VOLUME** knob clockwise to increase volume, counter-clockwise to decrease.
- **Source Selection:** Press the **SOURCE** button repeatedly to cycle through Tuner, CD, USB, Bluetooth Audio, and AUX.

6.2 Radio Tuner (FM/AM)

- **Select Tuner Source:** Press **SOURCE** until "TUNER" appears on the display.
- **Band Selection:** Press the **BAND** button to switch between FM1, FM2, FM3, and AM.
- **Manual Tuning:** Press the **TUNE +/-** buttons to manually tune to a frequency.
- **Seek Tuning:** Press and hold the **TUNE +/-** buttons to automatically seek the next strong station.
- **Preset Stations:** To store a station, tune to the desired frequency, then press and hold one of the numeric preset buttons (1-6) until you hear a beep. To recall, simply press the corresponding preset button.

6.3 CD/USB Playback

- **CD Playback:** Insert a CD into the disc slot. Playback will start automatically.
- **USB Playback:** Connect a USB storage device (flash drive) to the front USB port. The unit will automatically switch to USB source and begin playback of MP3/WMA files.
- **Track Selection:** Use the **SKIP +/-** buttons to skip tracks.
- **Fast Forward/Reverse:** Press and hold the **SKIP +/-** buttons.
- **Pause/Play:** Press the **PLAY/PAUSE** button.

6.4 Bluetooth Wireless Technology

The JVC KD-R435 features built-in Bluetooth for hands-free calling and audio streaming.

1. Pairing a Device:

- Ensure Bluetooth is enabled on your mobile device.
- On the KD-R435, select "BLUETOOTH" as the source.
- The unit will enter pairing mode (or you may need to initiate it via the menu).
- On your mobile device, search for Bluetooth devices and select "JVC KD-R435".
- If prompted, enter the PIN code (usually "0000").
- Once paired, the unit will display "PAIRED" or a similar confirmation.

2. Hands-Free Calling:

- When a call comes in, the unit will display the caller ID.
- Press the **CALL** button (or equivalent on the unit) to answer.
- Press the **END CALL** button to end the call.

3. Bluetooth Audio Streaming:

- Select "BT AUDIO" as the source.
- Start playback on your paired mobile device. Audio will stream through the car speakers.
- Use the **SKIP +/-** buttons on the unit to control track playback.

6.5 AUX Input

Connect external audio devices (e.g., portable music players) using a 3.5mm stereo mini-jack cable to the front or rear AUX input.

- **Connect Device:** Plug one end of the audio cable into your external device's headphone jack and the other end into the KD-R435's AUX input.
- **Select AUX Source:** Press the **SOURCE** button until "AUX" appears on the display.
- **Control Playback:** Control playback (play, pause, skip) directly from your connected external device.

7. AUDIO SETTINGS

The JVC KD-R435 offers various audio adjustments to customize your listening experience.

- **Accessing Audio Menu:** Press the **VOLUME** knob to enter the audio menu. Rotate the knob to navigate and press to select.
- **3-Band Parametric iEQ:** Adjust specific frequency bands (Bass, Mid, Treble) for precise sound shaping.
- **Easy EQ:** Select from pre-set equalizer curves (e.g., Rock, Pop, Jazz, User).
- **Source Link EQ:** Applies specific EQ settings based on the selected audio source.
- **Loudness Control:** Boosts bass and treble frequencies at low volume levels for a fuller sound.
- **High-Pass Filter (HPF):** Cuts low frequencies from the main speakers, useful when using a subwoofer.
- **Low-Pass Filter (LPF):** Cuts high frequencies from the subwoofer output, ensuring only bass is sent to the subwoofer.
- **Subwoofer Control:** Adjust subwoofer output level and phase.
- **Balance/Fader:** Adjust the left/right and front/rear speaker output levels.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your JVC KD-R435.

- **Cleaning the Front Panel:** Use a soft, dry cloth to wipe the front panel. Do not use abrasive cleaners, waxes, or solvents.
- **Cleaning the Disc Slot:** Avoid inserting anything other than a standard audio CD into the disc slot. Do not use lens cleaning discs.
- **USB Port:** Keep the USB port free from dust and debris.
- **Detachable Face Panel:** When removing the face panel, handle it carefully to avoid scratches or damage to the connectors. Store it in a protective case.

9. TROUBLESHOOTING

If you experience problems with your unit, refer to the following table for common issues and solutions.

Problem	Possible Cause	Solution
No power	Blown fuse; incorrect wiring; vehicle battery disconnected.	Check and replace fuse; verify wiring connections; reconnect battery.
No sound	Volume too low; mute function active; speaker wires disconnected; fader/balance settings incorrect.	Increase volume; deactivate mute; check speaker connections; adjust fader/balance.
CD/USB not playing	Disc dirty/scratched; incorrect file format on USB; USB device not supported.	Clean disc; ensure MP3/WMA format; try a different USB device.
Bluetooth pairing fails	Bluetooth not enabled on device; unit not in pairing mode; incorrect PIN.	Enable Bluetooth; put unit in pairing mode; use PIN "0000".
Poor radio reception	Antenna not connected; antenna damaged; weak signal area.	Check antenna connection; replace antenna if damaged; try tuning in a different location.

10. SPECIFICATIONS

The following are the technical specifications for the JVC KD-R435 car receiver:

- **Model:** KD-R435
- **Power Output:** MOS-FET 50W x 4
- **DAC:** 24-bit
- **Connectivity:** Bluetooth, RCA, USB
- **Inputs:** Front USB Port (MP3/WMA), AUX Input x 2 (Front/Rear)
- **Outputs:** 4.8V Line and Subwoofer Pre-Out Level, RCA Pre-Out Terminals (Rear/Subwoofer Selectable)
- **Audio Formats:** MP3, WMA (CD/USB)
- **Tuner:** HS-IVi Tuner, Radio Timer, Backup Memory
- **Equalizer:** 3-Band Parametric iEQ, Easy EQ, Source Link EQ, Loudness Control
- **Filters:** High-Pass Filter, Low-Pass Filter
- **Display:** Separated Brightness Control, Auto Dimmer
- **Features:** Detachable Face Panel, Beep Tone Support

- **Channels:** 4 (Audio Output), 5.1 (Surround Sound Channel Configuration)
- **Compatible Devices:** Speaker

11. WARRANTY AND SUPPORT

JVC products are manufactured to the highest quality standards. In the unlikely event that you encounter an issue with your KD-R435, please refer to the warranty information provided separately with your purchase. For technical support or service inquiries, please contact your authorized JVC dealer or visit the official JVC website for contact details in your region.

Please retain your proof of purchase for warranty claims.

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