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JVC KW-R940BTS

JVC KW-R940BTS Bluetooth Car Stereo Receiver User Manual

Model: KW-R940BTS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JVC KW-R940BTS Bluetooth Car Stereo Receiver. Please read this manual thoroughly before using the unit to ensure proper and safe operation. Keep this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

Observe the following safety precautions to prevent accidents and damage to the unit:

- Do not operate the unit in a manner that distracts you from driving.
- Ensure proper wiring connections to prevent short circuits or electrical damage.
- Consult a qualified technician for installation if you are unsure about any steps.
- Avoid exposing the unit to extreme temperatures, direct sunlight, or moisture.
- Do not attempt to disassemble or modify the unit. Refer servicing to qualified personnel.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- JVC KW-R940BTS Car Stereo Receiver
- Wiring Harness
- Mounting Hardware
- External Microphone
- User Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to have this unit installed by a professional car audio technician.

4.1 Installation Dimensions

The unit is designed for double-DIN dash openings. Ensure your vehicle's dash opening matches the following dimensions:

- **Width:** 7-1/16 inches (178 mm)
- **Height:** 3-15/16 inches (100 mm)
- **Depth:** 6-3/16 inches (156 mm)

4.2 Wiring Connections

Refer to the wiring diagram provided with your unit for specific connections. Key connections include:

- **Power:** Connect the yellow wire to constant 12V, red wire to switched 12V (ignition), and black wire to ground.
- **Speakers:** Connect speaker wires to the corresponding vehicle speaker wires. Ensure correct polarity.
- **Antenna:** Connect the vehicle's antenna cable. If your vehicle has a powered antenna, connect the blue/white stripe wire from the receiver to the antenna adapter's power wire.
- **USB Port:** The front-panel USB port supports USB memory devices and provides 5V/1.5A for charging.
- **Auxiliary Input:** The front-panel 3.5mm auxiliary input allows connection of external audio devices.
- **Preamp Outputs:** The unit features 6-channel preamp outputs (4-volt front, rear, subwoofer) for connecting external amplifiers.
- **Microphone:** Connect the external microphone for Bluetooth hands-free calling. Position it in a clear area, such as the A-pillar.



Figure 1: Rear view of the JVC KW-R940BTS receiver, illustrating various input and output ports for wiring connections, including speaker outputs, RCA preamp outputs, and the microphone input.

4.3 Initial Power-On

After installation, turn on your vehicle's ignition. The unit should power on. Follow any on-screen prompts for initial setup, such as language selection or clock setting.

5. OPERATING INSTRUCTIONS

5.1 Front Panel Controls



Figure 2: Front panel of the JVC KW-R940BTS receiver, showing the LCD display, rotary knob, source button, and numbered preset buttons.

- **Power/Source Button:** Press to turn on/off or change audio source.
- **Rotary Knob:** Adjusts volume. Press to access menu options.
- **Preset Buttons (1-6):** Store and recall radio stations or other functions.
- **Menu Button:** Access system settings and audio adjustments.
- **EQ/Bass Button:** Quickly access equalizer and bass settings.

5.2 Bluetooth Connectivity

The unit features built-in Bluetooth for hands-free calling and audio streaming.

1. **Pairing:** Enable Bluetooth on your smartphone. On the receiver, navigate to the Bluetooth menu and select "Pairing." Select "JVC KW-R940BTS" from your phone's Bluetooth device list.
2. **Hands-Free Calling:** Once paired, you can make and receive calls through the receiver. Use the dedicated call buttons on the front panel.
3. **Audio Streaming:** Stream music wirelessly from your smartphone. The unit supports "Streaming DJ," allowing up to five Bluetooth audio source devices to be connected simultaneously.



Figure 3: A smartphone displaying a music application, demonstrating wireless audio streaming to the JVC KW-R940BTS receiver via Bluetooth.

5.3 Audio Sources

- **CD Playback:** Insert a CD into the disc slot. The unit will automatically begin playback.
- **USB Playback:** Connect a USB memory device to the front USB port. The unit supports various audio formats, including high-res music.
- **AM/FM Radio:** Select the "Tuner" source. Use the seek buttons to find stations or store them as presets.
- **Auxiliary Input:** Connect an external audio player to the front 3.5mm auxiliary input.

5.4 Sound Adjustments

Customize your audio experience using the following features:

- **13-Band Equalizer:** Access through the menu to fine-tune audio frequencies.
- **Digital Time Alignment:** Adjust speaker output timing for optimal sound staging.
- **K2 Technology:** Enhances the digital sound quality for all music sources.
- **Sound Lift:** Compensates for speakers mounted low in the doors, raising the perceived sound stage.

5.5 Amazon Alexa Voice Control

The unit supports Amazon Alexa voice control. Connect your smartphone with the Alexa app installed and paired via Bluetooth to utilize this feature.



Figure 4: The JVC KW-R940BTS receiver displaying "ALEXA" on its screen, indicating active voice control functionality, alongside a smartphone running the Amazon Alexa application.

5.6 Variable Color Illumination

The display and button illumination color can be customized to match your vehicle's interior or personal preference. Access the illumination settings through the system menu.



Figure 5: Receiver with blue illumination.



Figure 6: Receiver with orange/pink illumination.



Figure 7: Receiver with blue/green illumination.

6. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel. For stubborn dirt, dampen the cloth with water. Avoid abrasive cleaners or solvents.
- **CD Player Care:** Use only standard, round CDs. Avoid using irregularly shaped discs or discs with labels that may peel off. Clean discs with a soft, lint-free cloth from the center outwards.
- **USB Port:** Keep the USB port free from dust and debris.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Incorrect wiring, blown fuse, vehicle ignition off.	Check power connections (yellow, red, black wires). Inspect vehicle fuse. Ensure ignition is on.
No sound	Speaker wires disconnected, volume too low, mute activated, incorrect audio source.	Verify speaker connections. Increase volume. Check if mute is active. Select correct audio source.
Bluetooth pairing fails	Bluetooth not enabled on phone, unit not in pairing mode, device already paired.	Ensure phone's Bluetooth is on. Put receiver in pairing mode. Delete previous pairings if necessary.
CD/USB not playing	Disc/USB error, incompatible format, dirty disc/USB.	Check disc for damage/clean. Ensure USB device is formatted correctly and contains supported files.
Display is dim/unreadable	Brightness setting too low, direct sunlight.	Adjust display brightness in settings. Reposition vehicle to avoid direct sunlight if possible.

If the problem persists after attempting these solutions, contact JVC customer support or a qualified service center.

8. SPECIFICATIONS

Feature	Detail
Model Number	KW-R940BTS
Display	LCD, 2-line, variable-color illumination
Connectivity	Bluetooth, USB, 3.5mm Aux-in
Controller Type	Physical buttons and knobs, optional wireless remote
Audio Features	13-band EQ, Digital Time Alignment, K2 Technology, Sound Lift
USB Port	Front-panel, 5V/1.5A charging, supports high-res music
Preamp Outputs	6-channel (4-volt front, rear, subwoofer)
Dimensions (WxHxD)	7-1/16" x 3-15/16" x 6-3/16" (178 x 100 x 156mm)
Weight	1 pound (approx.)

9. WARRANTY INFORMATION

JVC products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and purchase date. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the warranty card included with your product or visit the official JVC website.

10. CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact JVC customer support:

- **Online Support:** Visit the official JVC website for FAQs, software updates, and support resources.
- **Telephone Support:** Refer to the contact information provided on the JVC website for your region.

When contacting support, please have your product model number (KW-R940BTS) and purchase information readily available.

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