

JVC KW-R920BTS

JVC KW-R920BTS Car Receiver Instruction Manual

Model: KW-R920BTS

1. INTRODUCTION

Welcome to the instruction manual for your JVC KW-R920BTS in-dash receiver. This manual provides essential information for the safe and efficient use of your new car audio system. Please read it thoroughly before installation and operation to ensure proper functionality and to prevent damage.

2. IMPORTANT SAFETY INFORMATION

- **Professional Installation:** It is highly recommended that this product be installed by a qualified professional to ensure correct wiring and operation.
- **Power Supply:** Connect the unit only to a 12V DC power supply with a negative ground.
- **Avoid Distractions:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Wiring:** Ensure all wiring is correctly connected according to the wiring diagram to prevent short circuits or damage. Insulate all exposed wires.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.

3. PACKAGE CONTENTS

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



The image displays the contents of the JVC KW-R920BTS package, including the main receiver unit, a wireless remote control, an external microphone, a wiring harness, mounting hardware (screws), and the instruction manual.

- JVC KW-R920BTS Receiver Unit
- Wireless Remote Control
- Wiring Harness
- Mounting Hardware (Screws)
- External Microphone
- Instruction Manual

4. PRODUCT OVERVIEW

4.1 Front Panel Controls



This image shows the front panel of the JVC KW-R920BTS receiver, highlighting the display, control knob, source button, USB port, and various function buttons. The display shows "97.90MHz FM".

The front panel features a central rotary control knob for volume adjustment and menu navigation. Key buttons include the Source button for switching inputs, a USB port for media playback and charging, and dedicated buttons for Bluetooth, radio presets, and audio settings (EQ, Color).

4.2 Remote Control



The JVC KW-R920BTS receiver is shown alongside its wireless remote control. The remote features buttons for volume, source selection, sound settings, and navigation, providing convenient control from a distance.

The included remote control allows for convenient operation of the receiver's primary functions, including power, volume, source selection, track skip, and call handling.

5. SETUP

5.1 Wiring Connections



This image displays the rear panel of the JVC KW-R920BTS receiver, showing the various input and output connections, including RCA pre-outs, the antenna input, and the main wiring harness connector. A pink RCA cable is also visible.

Connect the wiring harness to your vehicle's electrical system. Ensure the following connections are made correctly:

- **Yellow Wire:** Constant 12V power (for memory retention).
- **Red Wire:** Switched 12V accessory power.
- **Black Wire:** Ground connection.
- **Blue/White Wire:** Remote turn-on for amplifier/power antenna.
- **Speaker Wires:** Connect to corresponding vehicle speakers (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right).
- **Antenna:** Connect your vehicle's antenna cable.
- **Microphone:** Plug in the external microphone for hands-free calling.

If using external amplifiers, connect the RCA pre-out cables (Front/Rear/Subwoofer) to the amplifier inputs.

5.2 Mounting

Securely mount the receiver in your vehicle's dashboard using the supplied mounting sleeve and hardware. Ensure the unit is firmly in place to prevent vibration and movement.

5.3 Initial Settings

After installation, turn on the unit and perform initial setup:

- **Clock Setting:** Adjust the time to your local time zone.

- **Language Selection:** Choose your preferred display language.
- **Audio Initial Setup:** Configure basic audio settings such as fader, balance, and subwoofer output if applicable.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume

- **Power On:** Press the SOURCE button to turn the unit on.
- **Power Off:** Press and hold the SOURCE button for a few seconds.
- **Volume Adjustment:** Rotate the central control knob clockwise to increase volume, counter-clockwise to decrease.

6.2 Source Selection

Press the SOURCE button repeatedly to cycle through available input sources: FM, AM, SiriusXM (if connected), CD, USB, Bluetooth Audio, and AUX input.

6.3 Radio Operation (AM/FM/SiriusXM)

- **Band Selection:** In radio mode, press the BAND button to switch between FM1, FM2, FM3, AM, and SiriusXM (if tuner connected).
- **Manual Tuning:** Use the seek buttons (◀◀/▶▶) to manually tune frequencies.
- **Seek Tuning:** Press and hold the seek buttons to automatically search for the next strong station.
- **Preset Stations:** Store your favorite stations by tuning to the desired frequency, then pressing and holding one of the preset number buttons (1-6). Recall by pressing the corresponding preset button.

6.4 CD/USB Playback

- **CD Playback:** Insert a CD into the disc slot. Playback will begin automatically. Use the seek buttons to skip tracks.
- **USB Playback:** Connect a USB device containing audio files to the USB port. The unit will automatically switch to USB source and begin playback. Use the seek buttons to navigate tracks and the control knob to browse folders/files.

6.5 Bluetooth Functions

- **Pairing a Device:** Enable Bluetooth on your mobile device. On the receiver, select the Bluetooth source. Search for "KW-R920BTS" on your device and pair. Enter the PIN (usually "0000") if prompted.
- **Hands-free Calling:** When a call comes in, press the call button on the unit or remote to answer. Use the external microphone for clear communication.
- **Audio Streaming:** Once paired, audio from your mobile device can be streamed wirelessly to the receiver. Use the unit's controls to play, pause, and skip tracks.

6.6 Audio Settings

Press the EQ button to access audio settings. Use the control knob to navigate and select options such as:

- **Equalizer (EQ):** Select from preset EQ curves or customize a user-defined setting.
- **Bass Boost:** Enhance low-frequency output.
- **Loudness:** Boost bass and treble at low volumes.
- **Balance/Fader:** Adjust audio distribution between left/right and front/rear speakers.

6.7 Display Customization

The KW-R920BTS features a 3-zone variable color display. Press the COLOR button to access display color settings. You can independently select different colors for the display, control buttons, and accent lighting to match your vehicle's interior or personal preference.

7. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel. For stubborn dirt, dampen the cloth with water. Avoid using abrasive cleaners or solvents.
- **Disc Care:** Handle CDs by their edges. Keep them clean and free of scratches. Store discs in their cases when not in use.
- **USB Port:** Keep the USB port free of dust and debris.

8. TROUBLESHOOTING GUIDE

If you encounter issues with your JVC KW-R920BTS receiver, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle ignition off.	Check power and ground connections. Replace fuse if blown. Ensure vehicle ignition is on.
No sound	Speaker wires disconnected; Volume too low; Mute function active.	Verify speaker connections. Increase volume. Deactivate mute.
Bluetooth not connecting/pairing	Bluetooth not enabled on device; Receiver not in pairing mode; Device already paired to another unit.	Ensure Bluetooth is on and visible on your device. Put receiver in pairing mode. Disconnect from other devices.
CD/USB playback error	Damaged disc/USB; Unsupported file format; Incorrectly inserted media.	Check disc/USB for damage. Ensure files are MP3, WMA, WAV, or FLAC. Reinsert media correctly.
Display not working	Dimmer setting too low; Unit malfunction.	Adjust dimmer settings. If problem persists, consult support.

9. TECHNICAL SPECIFICATIONS

- **Model:** KW-R920BTS
- **Amplifier:** Built-in MOSFET amplifier (22 watts RMS/50 peak x 4 channels)
- **Media Playback:** Plays MP3, WMA, WAV, and FLAC music files
- **Bluetooth:** Built-in Bluetooth for hands-free calling and audio streaming
- **Display:** 3-Zone variable color display, TFT LCD technology
- **Connectivity:** Bluetooth, 3.5mm Jack (AUX), USB
- **Audio Output Mode:** Surround or Stereo
- **Surround Sound Channel Configuration:** 4 channel
- **Product Dimensions:** 6.5 x 7.19 x 4.44 inches

- **Item Weight:** 2.43 pounds
- **Manufacturer:** JVC
- **Date First Available:** February 5, 2016

10. WARRANTY INFORMATION

For detailed information regarding the warranty coverage for your JVC KW-R920BTS receiver, please refer to the separate warranty document included with your product. You may also visit the official JVC website or contact customer support for specific terms and conditions.

11. CUSTOMER SUPPORT

Should you require technical assistance, have questions about operation, or need service for your JVC KW-R920BTS, please contact JVC customer support:

- **JVC USA Corporation:**
- **Toll-Free:** 1 (800) 252-5722
- **Website:** <http://www.us.jvckenwood.com>

When contacting support, please have your model number (KW-R920BTS) and any relevant purchase information ready to expedite assistance.