RIWUSI BC61

RIWUSI BC61 FM Transmitter for Car - Bluetooth 5.3 User Manual

Model: BC61 | Brand: RIWUSI



Image: The RIWUSI BC61 FM Transmitter, showcasing its compact design, digital display, and blue LED accent light.

1. Product Overview

The RIWUSI BC61 is an all-metal FM Transmitter designed to enhance your in-car audio and charging experience. It features Bluetooth 5.3 for stable wireless connectivity, dual fast-charging ports (PD 30W and QC3.0 18W), hands-free calling with CVC noise cancellation, and real-time car battery voltage monitoring. Its compact design and durable zinc alloy construction ensure reliable performance.

Key Features:

- **All-Metal Construction:** Durable zinc alloy shell for enhanced heat dissipation and longevity.
- **Bluetooth 5.3:** Provides faster pairing and a more stable connection for audio streaming.
- **Dual Fast Charging:** Includes a PD 30W USB-C port and a QC3.0 18W USB-A port for rapid device charging.
- **Hands-Free Calling:** Built-in microphone with CVC noise cancellation for clear calls.
- **Hi-Fi Music Streaming:** Supports lossless audio transmission from Bluetooth-enabled devices.
- **Car Voltage Monitor:** Displays real-time car battery voltage.
- **Blue Ring Light:** Illuminates for easy visibility in low-light conditions.

2. Safety Information

To ensure safe operation and prevent damage, please observe the following:

- Avoid using the device near other wireless devices to prevent potential interference.
- Do not expose the device to extreme temperatures (high or low) or high humidity.
- Keep the device away from water or other liquids.
- Do not attempt to disassemble, repair, or modify the device. This may void the warranty and pose safety risks.
- Ensure the device is securely plugged into the car's cigarette lighter socket.
- Always prioritize driving safety. Do not operate the device in a way that distracts you from the road.

3. Setup Instructions

Follow these steps to set up your RIWUSI BC61 FM Transmitter:

1. **Insert into Car Socket:** Plug the RIWUSI BC61 FM Transmitter into your car's 12V/24V cigarette lighter socket. The device will power on and display the car battery voltage.
2. **Tune Car Radio:** Turn on your car's FM radio and find an unused, clear FM frequency (e.g., 87.5 MHz - 108.0 MHz) with static.
3. **Set Transmitter Frequency:**



Image: Visual guide for connecting the FM Transmitter, detailing the four steps: setting car radio, entering FM mode, matching frequencies, and Bluetooth pairing.

Long press the Multi-Function Button (MFB) on the transmitter until the frequency display starts flashing. Use the previous/next track buttons (◀◀ / ▶▶) to adjust the transmitter's frequency to match the clear FM frequency you selected on your car radio. Once matched, the display will stop flashing.

4. **Pair via Bluetooth:** Enable Bluetooth on your smartphone or other audio device. Search for available devices and select "BC61" to pair. Once connected, you will hear an audio confirmation.

Your RIWUSI BC61 FM Transmitter is now ready for use.

4. Operating Instructions

4.1 Music Playback



Image: The FM Transmitter integrated into a car interior, symbolizing high-fidelity music playback via Bluetooth.

- **Play/Pause:** Press the MFB button once.
- **Next Track:** Press the ▶▶ button once.
- **Previous Track:** Press the ◀◀ button once.

- **Volume Adjustment:** Adjust the volume on your phone and/or car stereo. The transmitter's volume is fixed for optimal audio quality.

4.2 Hands-Free Calling

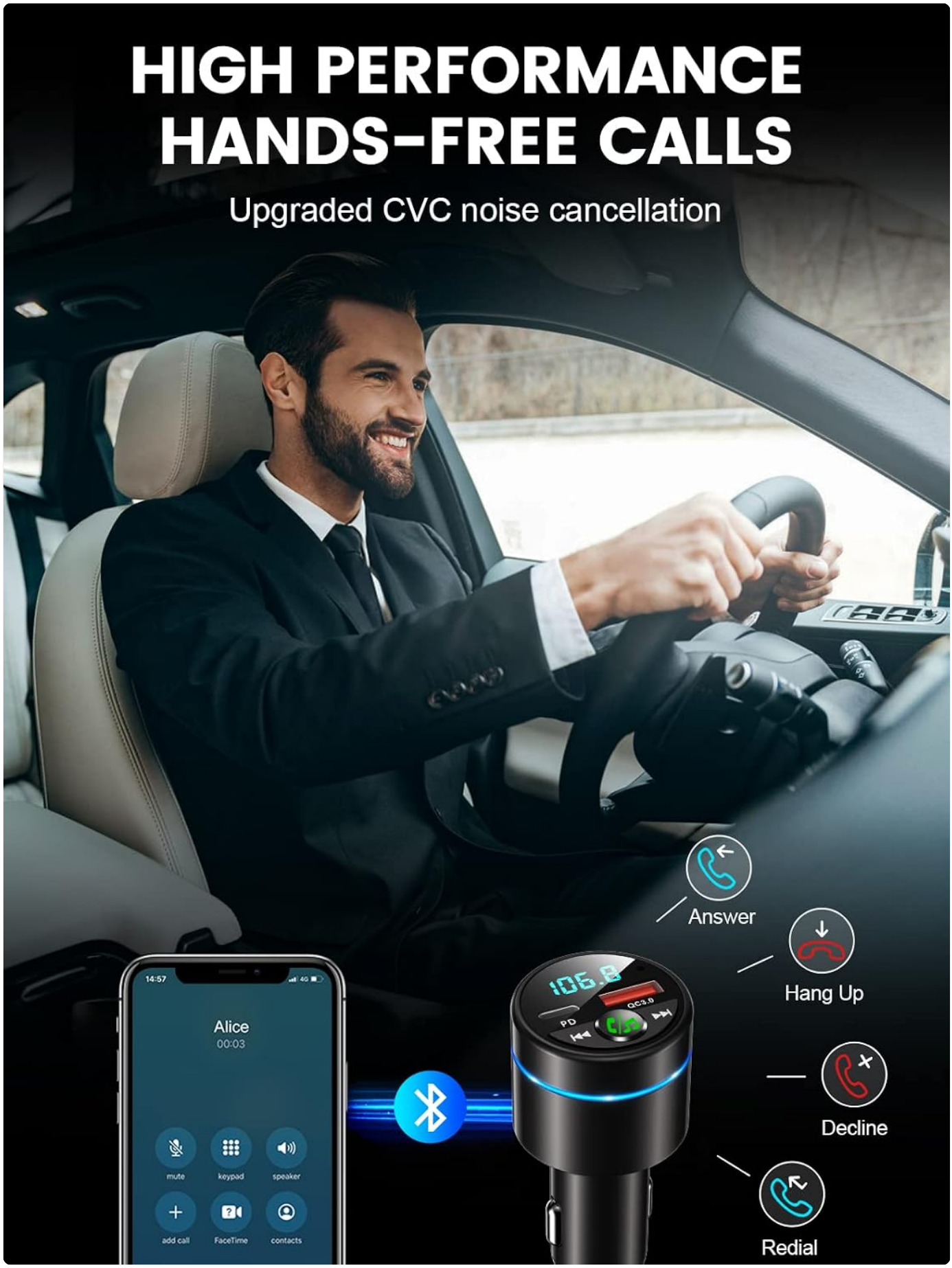


Image: A driver utilizing the hands-free calling feature of the FM Transmitter, with on-screen prompts for call management.

- **Answer Call:** Press the MFB button once when an incoming call rings.
- **End Call:** Press the MFB button once during a call.
- **Reject Call:** Long press the MFB button when an incoming call rings.
- **Redial Last Number:** Double press the MFB button.

4.3 Device Charging



Image: The FM Transmitter providing fast charging to two mobile devices simultaneously via its dual ports.

The RIWUSI BC61 features two fast-charging ports:

- **USB-C (PD 30W):** For Power Delivery compatible devices.
- **USB-A (QC3.0 18W):** For Quick Charge 3.0 compatible devices.

Simply connect your device's charging cable to the appropriate port on the transmitter to begin charging.

4.4 Car Battery Voltage Monitoring

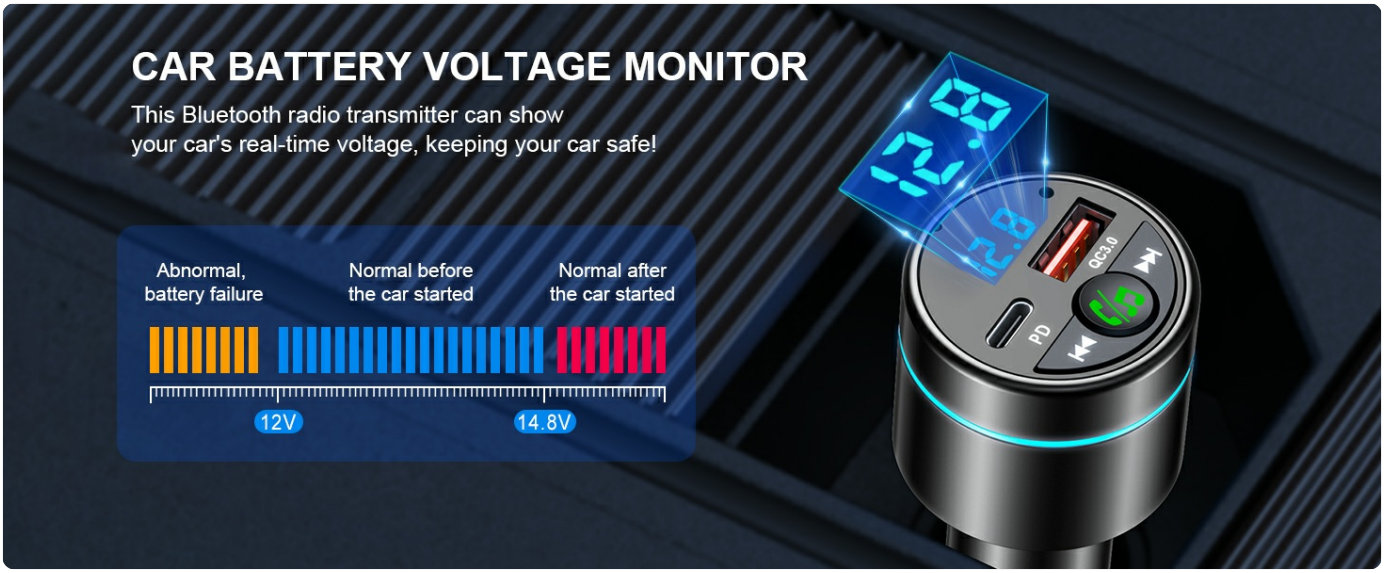


Image: A visual representation of the car battery voltage monitoring feature, showing different voltage states.

Upon plugging in, the device's digital display will show your car's real-time battery voltage for a few seconds. This helps you monitor the health of your car battery.

- **Normal Voltage (before start):** Typically around 12V.
- **Normal Voltage (after start):** Typically between 13.2V and 14.8V.

- **Abnormal Voltage:** Readings outside these ranges may indicate a battery issue.

5. Maintenance

To maintain the performance and longevity of your RIWUSI BC61 FM Transmitter:

- **Cleaning:** Use a soft, dry cloth to wipe the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.

6. Troubleshooting

If you encounter issues with your RIWUSI BC61 FM Transmitter, refer to the following common solutions:

Problem	Possible Cause	Solution
No power/display off	Loose connection; car socket issue	Ensure the transmitter is firmly plugged in. Check if the car's cigarette lighter socket is functional.
Static or poor audio quality	FM frequency interference; volume settings	Find a clearer, unused FM frequency on your car radio and match the transmitter's frequency. Adjust volume on both your phone and car stereo. Ensure no strong local radio stations are on your chosen frequency.
Bluetooth not connecting	Bluetooth off; device already paired; interference	Ensure Bluetooth is enabled on your phone. Forget "BC61" from your phone's Bluetooth list and re-pair. Move closer to the device.
Charging is slow or not working	Cable issue; device not compatible with fast charging	Use a high-quality charging cable. Ensure your device supports PD or QC3.0 for fast charging. Try a different port or cable.
Hands-free call quality is poor	Environmental noise; microphone obstruction	Ensure the microphone is not obstructed. Reduce background noise in the car.

7. Specifications

Feature	Detail
Model Number	BC61
Bluetooth Version	5.3
FM Frequency Range	87.5 - 108.0 MHz

Feature	Detail
Input Voltage	DC 12V-24V
USB-C Output	PD 30W
USB-A Output	QC3.0 18W
Material	Zinc Alloy
Item Weight	3.84 ounces
Dimensions	4.06 x 2.28 x 1.85 inches
Special Features	All Metal Shell, Bluetooth 5.3, Dual Ports Charging, Hi-Fi Music, Hands-Free Calling, Car Voltage Monitor

8. Warranty and Support

RIWUSI products are designed for reliability and performance. For warranty information and customer support, please refer to the documentation included with your purchase or visit the official RIWUSI website.
If you experience any issues or have questions regarding your RIWUSI BC61 FM Transmitter, please contact our customer support team for assistance.

- **Online Support:** Visit the RIWUSI Store on Amazon for product information and contact options.
- **Email Support:** Refer to your product packaging or the RIWUSI website for direct email contact.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question