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## RIWUSI B0CJ35HPTH

# RIWUSI FM Transmitter for Bluetooth 5.3 User Manual

Model: B0CJ35HPTH

## INTRODUCTION

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The RIWUSI FM Transmitter for Bluetooth 5.3 (Model: B0CJ35HPTH) is a versatile in-car accessory designed to enhance your driving experience. It combines a high-fidelity FM transmitter, dual fast-charging ports, and hands-free calling capabilities into a compact, all-metal device. This manual provides comprehensive instructions for setting up, operating, and maintaining your FM transmitter to ensure optimal performance and safety.



Image: The RIWUSI FM Transmitter in silver, showcasing its compact design and display.

## KEY FEATURES

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- **Compact All-Metal Design:** Durable zinc alloy construction for enhanced heat dissipation and longevity, fitting snugly into your car's cigarette lighter socket.
- **Dual Fast Charging:** Equipped with an 18W USB-A QC3.0 port and a 30W USB-C PD port, allowing simultaneous rapid charging of multiple devices.
- **Bluetooth 5.3 Connectivity:** Offers faster pairing, more stable transmission, and wider compatibility for seamless audio streaming.
- **Hi-Fi Music Streaming:** Transmits lossless audio from any Bluetooth-enabled device to your car's FM radio system.
- **Crystal Clear Hands-Free Calling:** Features a sensitive built-in microphone and CVC Noise Cancellation technology to reduce background noise for clear conversations.
- **Blue Ring Light:** An integrated blue LED ring light aids in locating the device in the dark and adds a subtle aesthetic to your car's interior.
- **Car Battery Voltage Monitor:** Displays your car's real-time voltage, helping you monitor battery health.
- **Comprehensive Safety Protection:** Built-in safeguards against over-current, over-voltage, over-heat, over-charge, short-circuit, and anti-static.

# ZINC ALLOY

All metal shell

Super Durable  
Sturdy & Strong  
Sleek & Modern



## Aluminum Alloy

Easy deforming



## Plastic Shell

Not durable



Image: Illustration highlighting the durable zinc alloy construction of the transmitter.

## BUILT FOR ENHANCED TRANSMISSION

Upgraded Bluetooth 5.3 delivers  
3X faster steadier connection

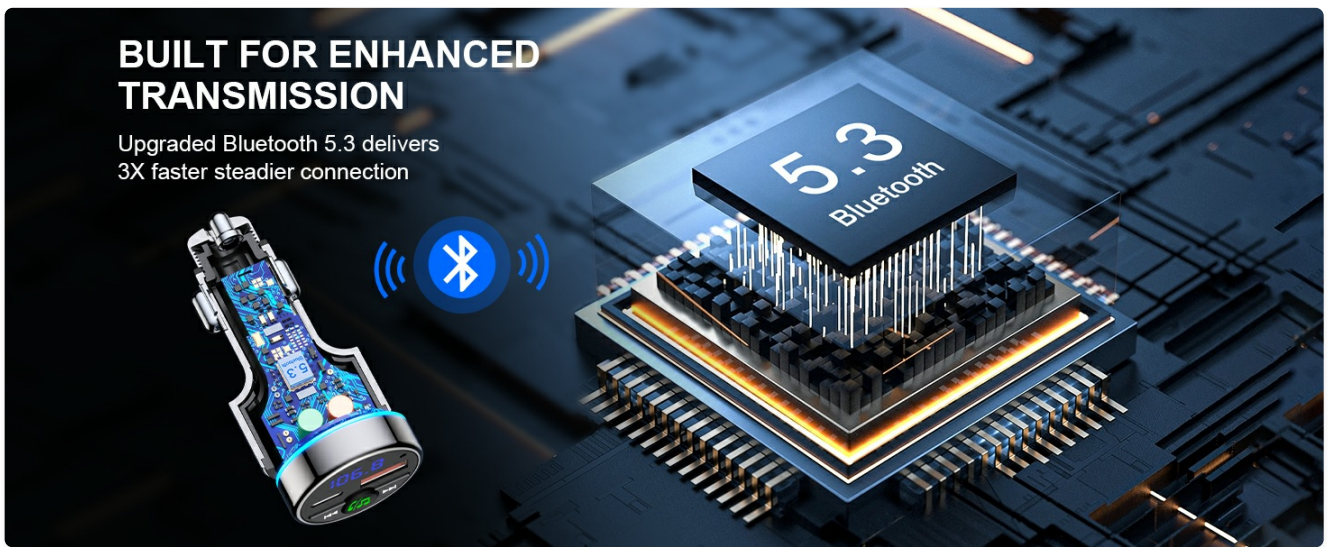


Image: Diagram illustrating the advanced Bluetooth 5.3 chip for enhanced transmission.

## SETUP GUIDE

Follow these steps to set up your RIWUSI FM Transmitter:

- 1. Tune Your Car Radio:** Set your car's FM radio to an unused, static-free frequency between 87.5 MHz and 108.0 MHz.
- 2. Activate FM Mode on Transmitter:** Insert the RIWUSI FM Transmitter into your car's cigarette lighter socket. Long press the Multi-Function Button (MFB) on the transmitter to enter FM mode.
- 3. Match Frequencies:** Adjust the transmitter's frequency to match the static-free frequency you selected on your car radio.
- 4. Connect via Bluetooth:** On your mobile device, enable Bluetooth and search for "BC61" (or similar device name). Select it to pair. Once connected, you will hear a confirmation prompt.

## HOW TO CONNECT?



Set your car radio to an unused FM frequency (87.5 MHz - 108.0 MHz)



Long press the MFB button to enter the FM mode



Set your FM radio transmitter to the same selected frequency



Turn on the Bluetooth of your phone, search for the device "BC61" and connect

Image: Step-by-step visual guide on connecting the FM transmitter.

## OPERATING INSTRUCTIONS

### Music Playback

Once connected via Bluetooth, open your preferred music application on your phone. Music will stream through your car's speakers. Use the "Previous Track" and "Next Track" buttons on the transmitter to navigate your playlist.

# HI-FI MUSIC ON THE GO

Streaming lossless music from any  
Bluetooth-enabled devices



Image: The transmitter enabling Hi-Fi music streaming in a car.

## Hands-Free Calling

When a call comes in, press the MFB button once to answer. To end a call, press the MFB button once again. To reject an incoming call, long press the MFB button. To redial the last number, double-press the MFB button.

# HIGH PERFORMANCE HANDS-FREE CALLS

Upgraded CVC noise cancellation



Image: A driver using the transmitter for hands-free phone calls.

## Charging Devices

Connect your devices (phones, tablets, smartwatches) to the USB-A QC3.0 (18W) or USB-C PD (30W) ports using appropriate charging cables. The transmitter will automatically detect and deliver fast charging.



Image: Illustration of the PD 30W and QC3.0 18W fast charging capabilities.

## Car Battery Voltage Monitoring

Upon plugging in the transmitter, the LED display will show your car's current battery voltage. Monitor this display to ensure your car battery is within a healthy range (e.g., around 12V when off, 13.5-14.8V when running).



Image: Diagram showing the car battery voltage display and its interpretation.

## MAINTENANCE

To ensure the longevity and optimal performance of your RIWUSI FM Transmitter, follow these simple maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the device to extreme temperatures, direct sunlight, or moisture.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty and may cause damage.

## TROUBLESHOOTING

If you encounter any issues with your RIWUSI FM Transmitter, please refer to the following troubleshooting table:

Problem	Solution
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Problem	Solution
No Sound or Poor Sound Quality	<p>Ensure the FM frequency on the transmitter matches your car radio's frequency exactly.</p> <p>Try a different, clearer FM frequency if there is static or interference.</p> <p>Increase the volume on both your phone and car radio.</p> <p>Check if the Bluetooth connection is stable.</p>
Bluetooth Connection Issues	<p>Make sure Bluetooth is enabled on your phone and the transmitter is powered on.</p> <p>Delete "BC61" from your phone's Bluetooth history and try pairing again.</p> <p>Restart your phone and the car (to reset the cigarette lighter power).</p> <p>Ensure no other Bluetooth devices are interfering.</p>
Charging Not Working	<p>Verify the transmitter is securely plugged into the cigarette lighter socket and receiving power (blue light is on).</p> <p>Check if your charging cable is functional and properly connected.</p> <p>Ensure your device supports the fast charging protocols (PD/QC3.0).</p>

## SPECIFICATIONS

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- **Model:** B0CJ35HPTH
- **Dimensions:** 4.06 x 2.2 x 1.81 inches
- **Weight:** 3.84 ounces
- **Material:** All-Metal (Zinc Alloy)
- **Connectivity:** Bluetooth 5.3
- **Charging Ports:** USB-A QC3.0 (18W), USB-C PD (30W)
- **FM Frequency Range:** 87.5 - 108.0 MHz
- **Input Voltage:** 12-24V DC
- **Special Features:** Hi-Fi Music, Hands-Free Calling, CVC Noise Cancellation, Blue LED Ring Light, Car Battery Voltage Display, Multi-Protection Safety System.



### WIDE COMPATIBILITY

Suitable for all 12-24V cars, trucks, SUVs



Image: The compact design of the transmitter fitting snugly in a car's console.



### SAFER AND EASIER TO DRIVE

Transmit any sound from phone to the car, focus on the road

Image: Illustration showing the wide compatibility of the transmitter with various vehicle types (12-24V).

### WARRANTY AND SUPPORT

RIWUSI provides customer support for its products. For detailed warranty information, technical assistance, or any inquiries regarding your FM transmitter, please refer to the contact information provided with your product packaging or visit the official RIWUSI store on Amazon.

[Visit the RIWUSI Store](#)