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JOYROOM JR-CL17

JOYROOM Bluetooth 5.3 FM Transmitter for Car User Manual

Model: JR-CL17
Brand: JOYROOM

1. Product Overview

The JOYROOM JR-CL17 Bluetooth 5.3 FM Transmitter is designed to enhance your in-car audio experience, offering multiple connectivity options, fast charging capabilities, and clear hands-free calling. This device integrates advanced Bluetooth 5.3 technology for stable connections and features dual microphones for improved call clarity.



Image 1: Front view of the JOYROOM JR-CL17 Bluetooth FM Transmitter, showing its display, buttons, and charging ports.

Key Features:

- **Hi-Fi Deep Bass & AUX Adapter:** Supports AUX connection and USB disk for high-fidelity audio. Features a dedicated "b" button for deep bass boost.
- **PD 30W & QC 3.0 Dual Port Fast Charging:** Equipped with a PD 30W Type-C port and a QC3.0 18W USB port for simultaneous fast charging of two devices.
- **Upgraded Bluetooth 5.3:** Utilizes the latest Bluetooth 5.3 technology for faster, more stable, and smarter connections with minimal sound quality loss.
- **Enhanced Dual Microphones:** Dual microphones work in tandem with CVC 8.0 noise reduction technology to ensure clear hands-free calls by minimizing road and wind noise.
- **Safe Protections:** Certified with CE, FCC, and RoHS, offering multiple protections against overcurrent, overvoltage, overload, overheat, and short circuit.

2. Setup and Installation

Follow these steps to set up your JOYROOM JR-CL17 FM Transmitter in your vehicle.

2.1 Initial Connection and FM Tuning

1. Insert the FM transmitter into your car's 12-24V cigarette lighter socket.
2. Tune your car radio to an unused FM station (blank channel) that has no music or vocals, only a slight rustling noise. This station should be between 88.1-107.9 MHz.
3. Long press the knob button on the FM transmitter to enter FM mode. Adjust the transmitter's frequency to match the blank station on your car radio.



Image 2: Visual guide for finding an unused FM station, tuning the transmitter, and establishing Bluetooth connection.

2.2 Bluetooth Pairing

1. Once the FM frequencies are matched, enable Bluetooth on your mobile device.
2. Search for "JR-CL17" in your device's Bluetooth settings and select it to pair. A voice prompt will confirm successful pairing.
3. After the first successful pairing, the device will automatically connect to your phone when powered on.

3. Operating Instructions

Understand the functions of your JR-CL17 FM Transmitter for optimal use.

3.1 Functional Components



Image 3: Diagram illustrating the functional parameters and button layout of the JR-CL17.

Component Descriptions

No.	Component	Description
1	Dual Microphones	For clear hands-free calling.
2	Working Status Indicator	Indicates device status.
3	BASS Button	Press to activate deep bass mode.
4	AUX Port	For AUX cable connection.
5	Light Button	Controls the LED backlight.
6	Multifunctional Knob Button	Controls volume, answers/ends calls, changes frequency.
7	Negative Power Contact	Connects to car's power socket.
8	Positive Power Contact	Connects to car's power socket.
9	LED Display	Shows FM frequency, voltage, etc.
10	Type-C 30W Charging Port	PD 30W fast charging output.
11	QC3.0 18W Charging Port	QC3.0 18W fast charging output.
12	USB Flash Drive Port	For U disk music playback.
13	Previous Button	Skips to previous track.
14	Next Button	Skips to next track.

3.2 Music Playback Modes

The JR-CL17 supports three methods for music playback:

- **Wireless Bluetooth Connection:** After successful Bluetooth pairing, music from your phone will stream through the transmitter to your car's FM radio.
- **AUX Connection:** Connect the FM transmitter to your car's AUX port using an AUX cable for lossless sound quality. Ensure your phone is paired via Bluetooth to the transmitter.
- **U Disk Connection:** Insert a USB flash drive (U disk) into the designated USB music port (Port 12) on the transmitter. Music files on the U disk will be played through the FM connection.

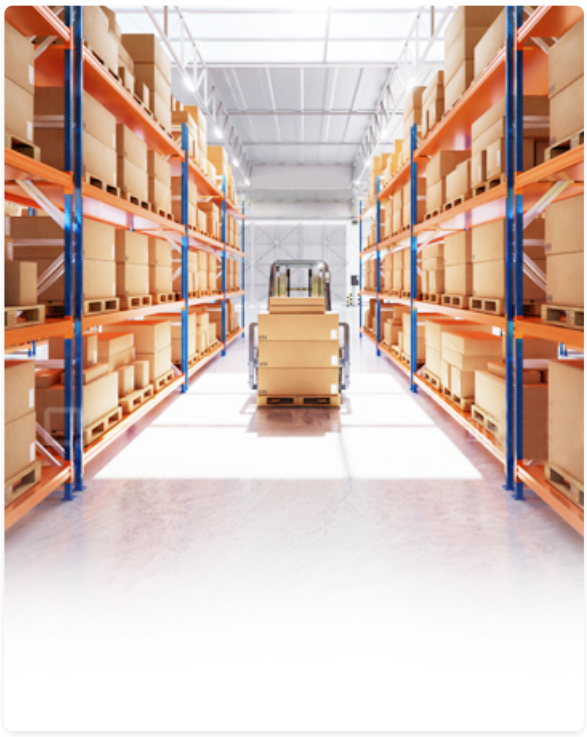


Image 4: Illustration of the three music playback modes: U Disk, AUX Cable, and Bluetooth 5.3.

3.3 Hands-Free Calling

The dual microphones and CVC 8.0 noise reduction ensure clear hands-free calls.

- **Answer Call:** Short press the Multifunctional Knob Button.
- **Hang Up Call:** Short press the Multifunctional Knob Button during a call.
- **Reject Call:** Long press the Multifunctional Knob Button.
- **Adjust Volume:** Rotate the Multifunctional Knob Button during a call.



Image 5: Depiction of hands-free calling features and controls on the device.

3.4 Charging Functionality

Utilize the fast-charging ports for your devices.

- **PD 30W Type-C Port:** Provides up to 30W power delivery for compatible devices.
- **QC3.0 18W USB Port:** Offers Quick Charge 3.0 for rapid charging of supported devices.



Image 6: Visual representation of the 48W super fast charging capability with PD 30W and QC 18W ports.

3.5 LED Backlight Control

The device features colorful LED lights. Short press the Light Button (5) to turn the LED lights on or off.

4. Maintenance

To ensure the longevity and optimal performance of your JOYROOM JR-CL17 FM Transmitter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the device. Avoid using liquid cleaners, aerosols, or abrasive materials, as they may damage the product.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components.
- **Power Source:** Always ensure the device is properly inserted into a 12-24V car cigarette lighter socket. Do not force it into incompatible sockets.

5. Troubleshooting

If you encounter issues with your JR-CL17 FM Transmitter, refer to the following common problems and solutions:

Q: Why is there noise when playing music in the car?

A: Ensure you have tuned your car radio to an UNUSED STATION/BLANK CHANNEL before use. Then, pair the FM transmitter with the same blank car radio channel. Interference from active radio stations can cause noise.

Q: Why can't the phone be charged fast?

A: Check if your phone supports the charging protocols (PD 30W or QC3.0 18W) of the product. Also, verify that the charging cable you are using supports fast charging. Not all cables are designed for high-speed charging.

Q: Can the LED lights be turned off?

A: Yes, simply short press the Light Button (5) on the device to turn the LED lights off or on.

Q: The device is not powering on.

A: Ensure the transmitter is fully and correctly inserted into the car's cigarette lighter socket. Check if the car's cigarette lighter socket is receiving power (e.g., by testing with another device).

Q: Bluetooth connection is unstable or frequently disconnects.

A: Ensure your mobile device is within close proximity to the transmitter. Avoid placing large metallic objects between the device and the transmitter. Try unpairing and re-pairing the device. Ensure no other Bluetooth devices are causing interference.

6. Product Specifications

Specification	Value
Brand	JOYROOM

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Model	JR-CL17
Bluetooth Version	V5.3
Input Voltage	DC 12-24V
QC3.0 Output	5V=3A, 9V=2A, 12V=1.5A (Max 18W)
PD Output	5V=3A, 9V=3A, 12V=2.5A, 15V=2A, 20V=1.5A (Max 30W)
PPS	3.3-11V3A, 3.3V-16V2A
Total Output	48W
Product Dimensions	1.38 x 0.53 x 2.02 inches
Item Weight	1.06 ounces (0.03 Kilograms)
Connectivity Technology	Wireless
Power Source	Corded Electric

7. Safety Information

For safe use of the JOYROOM JR-CL17 FM Transmitter, please observe the following precautions:

- Keep this device away from water or damp environments to prevent electrical hazards.
- Do not expose the device to extreme temperatures, direct sunlight, or open flames.
- This product is equipped with multiple safety protections including overcurrent, overvoltage, overload, overheat, and short circuit protection.
- Avoid using this device in close proximity to other wireless devices if interference is observed.
- Do not disassemble, repair, or modify the device yourself. Contact qualified personnel for service.
- Keep out of reach of children.

8. Warranty and Support

JOYROOM is committed to providing excellent customer service and product support.

- **Lifetime Service:** JOYROOM offers lifetime service for this product.
- **Hassle-free Replacement:** In case of any product issues, a hassle-free replacement service is available.
- **Contact Support:** For any inquiries or support needs, please contact JOYROOM customer service through the platform where you purchased the product.



Image 7: A customer service representative, symbolizing available support.

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