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ELECTROPRIME JR-CL16 (EDA003482301A)

ELECTROPRIME JR-CL16 48W Bluetooth FM Transmitter User Manual

Model: JR-CL16 (EDA003482301A)

Brand: ELECTROPRIME

1. INTRODUCTION

This user manual provides comprehensive instructions for the ELECTROPRIME JR-CL16 48W Bluetooth 5.0 Car Wireless FM Transmitter. Please read this manual carefully before using the device to ensure proper operation and to maximize its features. This device allows you to stream audio from your smartphone or other Bluetooth-enabled devices to your car's FM radio, make hands-free calls, and charge your devices rapidly.



Figure 1: Front view of the ELECTROPRIME JR-CL16 Car FM Transmitter, showcasing its digital display, control knob, multiple USB charging ports (PD and QC3.0), and integrated microphone grilles. The device features a silver finish with a colorful LED light ring.

What's in the Box:

- 1 x ELECTROPRIME JR-CL16 Car FM Transmitter

2. KEY FEATURES

- **Enhanced Call Clarity:** Features dual microphones for significantly clearer hands-free calls.
- **Immersive Audio:** Provides a 360-degree spatial bass effect for a richer audio experience.
- **High-Speed Charging:** Equipped with 48W high power output, allowing simultaneous fast charging of two devices.
- **Universal Fast Charge Support:** Supports multiple fast charge protocols including PD3.0, QC3.0, PPS, Samsung AFC, and Huawei FCP.
- **Advanced Bluetooth Connectivity:** Utilizes Bluetooth 5.0 for faster pairing and more stable wireless transmission.
- **Versatile Music Playback:** Offers three music modes: Bluetooth, USB drive, and AUX connection for flexible audio input.



Figure 2: A close-up view of the ELECTROPRIME JR-CL16, focusing on its enhanced dual microphones. This design ensures superior call clarity.

Deep **BASS** & **Hi-Fi** Stereo

CD Level Stereo Sound



Figure 3: An illustrative image highlighting the Deep BASS & Hi-Fi Stereo sound capabilities of the ELECTROPRIME JR-CL16, delivering CD-level stereo audio with enhanced bass.

3. SETUP GUIDE

- 1. Power On:** Insert the ELECTROPRIME JR-CL16 into your car's 12V/24V cigarette lighter socket. The device will power on automatically, and the LED display will light up.
- 2. Set FM Frequency:**
 - Tune your car's FM radio to an empty frequency (one with no strong broadcast signal).
 - On the JR-CL16, press and hold the multi-function knob (usually the call button) until the FM frequency on the display starts flashing.
 - Rotate the knob left or right to adjust the transmitter's frequency to match your car's FM radio frequency.
 - Once matched, press the knob again to confirm the frequency.
- 3. Bluetooth Pairing:**
 - The device will automatically enter Bluetooth pairing mode when powered on for the first time, or if no device is connected. The Bluetooth icon on the display will flash.
 - On your smartphone, enable Bluetooth and search for available devices.
 - Select "JR-CL16" (or similar name) from the list of found devices to pair.

- Once successfully paired, the Bluetooth icon on the transmitter's display will stop flashing and remain solid. You will hear a confirmation tone.

4. OPERATING INSTRUCTIONS

Music Playback:

- **Bluetooth Mode:** After successful pairing, open your music player on your smartphone and start playing audio. The sound will be transmitted to your car's speakers via the set FM frequency.
- **USB Drive Mode:** Insert a USB flash drive (containing MP3/WMA/WAV/FLAC files) into the designated USB port (not the charging-only port). The device will automatically detect and play music from the USB drive.
- **AUX Mode:** Connect an audio device (e.g., MP3 player) to the transmitter's AUX input port using a 3.5mm audio cable. The device will automatically switch to AUX mode.
- **Volume Control:** Rotate the multi-function knob to adjust the volume.
- **Track Control:** Use the dedicated buttons (if available) or the multi-function knob (press and hold or double-press, refer to specific button functions on device) to skip tracks forward or backward.
- **Bass Enhancement:** Press the "Bass" button (if present) to activate or deactivate the 360-degree spatial bass effect.

Hands-Free Calling:

- **Answer Call:** Press the multi-function knob once to answer an incoming call.
- **End Call:** Press the multi-function knob once during a call to end it.
- **Reject Call:** Press and hold the multi-function knob for 2 seconds to reject an incoming call.
- **Redial:** Double-press the multi-function knob to redial the last dialed number.

Charging Devices:

- Connect your device's charging cable to the appropriate USB port on the transmitter.
- Use the QC3.0 port for Quick Charge compatible devices.
- Use the PD (Power Delivery) port for USB-C devices supporting PD fast charging.
- The transmitter supports simultaneous charging of two devices.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the device. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, unplug the device from the car's cigarette lighter socket and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Impact:** Do not drop or subject the device to strong impacts, as this may damage internal components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power/Device not turning on	<ul style="list-style-type: none"> Loose connection in cigarette lighter socket. Car's cigarette lighter fuse blown. Device malfunction. 	<ul style="list-style-type: none"> Ensure the device is firmly inserted into the socket. Check and replace the car's cigarette lighter fuse if necessary. Contact customer support if the issue persists.
Poor sound quality/Static noise	<ul style="list-style-type: none"> FM frequency interference. Volume too low on device or car radio. Bluetooth connection unstable. 	<ul style="list-style-type: none"> Change to a different, clearer FM frequency on both the transmitter and car radio. Increase volume on both the transmitter and car radio. Reconnect Bluetooth or try restarting both devices.
Cannot pair via Bluetooth	<ul style="list-style-type: none"> Bluetooth not enabled on phone. Device already paired with another phone. Out of range. 	<ul style="list-style-type: none"> Ensure Bluetooth is enabled on your smartphone. Disconnect from other devices or restart the transmitter. Keep your phone within close proximity to the transmitter.
Devices not fast charging	<ul style="list-style-type: none"> Cable not compatible with fast charging. Device does not support fast charging protocols. Cable or port damage. 	<ul style="list-style-type: none"> Use a high-quality, fast-charging compatible cable. Verify your device supports QC3.0 or PD protocols. Try a different cable or port.

7. SPECIFICATIONS

Parameter	Value
Transmitter Input	DC 12-24V
QC3.0 Output	5V=3A, 9V=2A, 12V=1.5A
PD Output	5V=3A, 9V=3A, 12V=2.5A, 15V=2A, 20V=1.5A
PPS Output	3.3-11V=3A, 3.3V-16V=2A
Total Output	48W
Size (L x W x H)	50 x 45 x 70 mm
Net Weight	44g
Bluetooth Version	5.0
Music Modes	Bluetooth, USB, AUX

8. WARRANTY AND SUPPORT

ELECTROPRIME products are manufactured with high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation or the retailer's website for specific warranty terms and duration.

Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact ELECTROPRIME customer support. Contact details can typically be found on the product packaging, the official ELECTROPRIME website, or through your point of purchase.

Manufacturer: ELECTROPRIME