LIHAN C87B

LIHAN C87B Bluetooth FM Transmitter Car Adapter User Manual

Model: C87B

Brand: LIHAN

INTRODUCTION

This manual provides detailed instructions for the LIHAN C87B Bluetooth FM Transmitter Car Adapter. This device allows you to stream audio wirelessly from your smartphone, make hands-free calls, and charge your devices quickly while driving. Please read this manual thoroughly before use to ensure proper operation and safety.
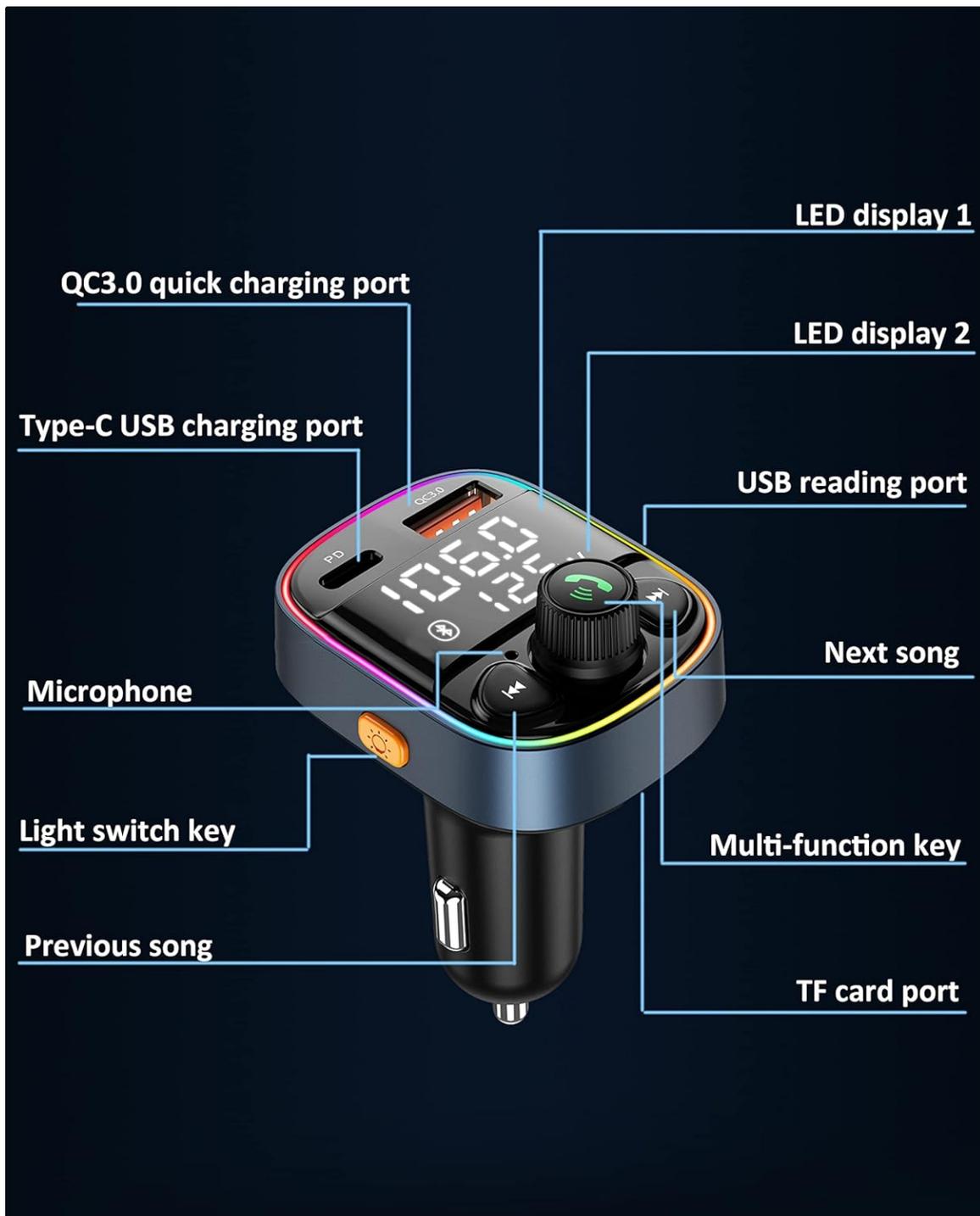
PRODUCT OVERVIEW

The LIHAN C87B is a versatile car accessory designed to enhance your in-car audio and charging experience. It features a dual-screen display, multiple music playback options, fast charging ports, and hands-free calling capabilities.

Key Features:

- **Dual Screens:** Displays FM channel and car voltage simultaneously.
- **Three Music Playback Modes:** Bluetooth, TF Card (up to 64GB), and USB stick (up to 64GB).
- **42W Fast Charging:** Equipped with QC3.0 and Type-C ports for charging two devices concurrently.
- **Hands-Free Calls:** Built-in microphone with CVC noise cancellation for clear conversations.
- **Safety Protections:** Integrated over-current, over-voltage, and short-circuit safeguards.
- **7-Color LED Backlight:** Customizable ambient lighting with breathing mode.

Component Identification:

Refer to the diagram below for an overview of the device's components.

This image displays the LIHAN C87B Bluetooth FM Transmitter with its various components labeled, including the QC3.0 port, Type-C USB charging port, LED displays, USB reading port, microphone, light switch key, multi-function key, previous/next song buttons, and TF card port.

- **LED Display 1:** Shows FM frequency.
- **LED Display 2:** Shows car battery voltage.
- **QC3.0 Quick Charging Port:** For fast charging compatible devices.
- **Type-C USB Charging Port:** For fast charging compatible devices.
- **USB Reading Port:** For playing music from a USB stick.
- **Microphone:** For hands-free calls.
- **Light Switch Key:** To change LED backlight colors or turn lights on/off.
- **Multi-function Key (Rotary Knob):** For answering/rejecting calls, adjusting volume, and setting FM frequency.

- **Previous Song Button:** Skips to the previous track.
- **Next Song Button:** Skips to the next track.
- **TF Card Port:** For playing music from a TF (MicroSD) card.

SETUP INSTRUCTIONS

Follow these steps to set up your LIHAN C87B Bluetooth FM Transmitter:

1. **Insert the Transmitter:** Plug the FM transmitter into your car's cigarette lighter socket. The device will power on and display the car's voltage.
2. **Tune Car Radio:** Turn on your car radio and find an unused, clear FM frequency. This should be a station with only static, no active broadcast.
3. **Set Transmitter Frequency:** Hold the multi-function key (answer knob) on the transmitter until the LED display for the FM frequency starts flashing.
4. **Match Frequencies:** Rotate the multi-function key to adjust the transmitter's FM frequency to match the clear station you found on your car radio.
5. **Confirm Frequency:** Press the multi-function key once to fix the channel.
6. **Pair Bluetooth:** On your smartphone, enable Bluetooth and search for available devices. Select "C87B" from the list to pair. Once paired, you will hear a confirmation tone.

This image illustrates the five-step process for easily pairing the LIHAN C87B Bluetooth FM Transmitter, from plugging it in to fixing the FM channel.

OPERATING INSTRUCTIONS

Music Playback:

The LIHAN C87B supports three modes for playing music:

- **Bluetooth:** After successful Bluetooth pairing, open your phone's music player and start

playback. Audio will be transmitted to your car's speakers via the selected FM frequency.

- **TF Card:** Insert a TF (MicroSD) card (up to 64GB) containing MP3/WMA/WAV/FLAC audio files into the TF card slot. The device will automatically detect and play music from the card.
- **USB Stick:** Insert a USB flash drive (up to 64GB) containing MP3/WMA/WAV/FLAC audio files into the USB reading port. The device will automatically detect and play music from the drive.

Use the 'Previous Song' and 'Next Song' buttons to navigate tracks. Rotate the multi-function key to adjust the volume.

This image illustrates the three available music playback modes for the LIHAN C87B: Bluetooth streaming from a phone, playing from a TF card, and playing from a USB flash drive.

Hands-Free Calling:

When your phone is connected via Bluetooth:

- **Answer Call:** Press the multi-function key once.
- **Reject Call:** Press and hold the multi-function key for 2 seconds.
- **Hang Up:** Press the multi-function key once during a call.
- **Redial Last Number:** Double-press the multi-function key.

This image shows a user interacting with the LIHAN C87B to manage hands-free calls, highlighting the answer, reject, hang up, and recall functions.

Charging Devices:

The transmitter features two fast-charging ports:

- **QC3.0 Port:** Provides fast charging for compatible Android devices.
- **Type-C Port:** Provides fast charging for compatible devices, including many modern smartphones and tablets.

Simply connect your device's charging cable to the appropriate port on the transmitter. You can charge two devices simultaneously.

This image demonstrates the 42W fast charging capability of the LIHAN C87B, with two smartphones connected and charging via the Type-C and QC3.0 ports.

LED Backlight Control:

The device features a 7-color LED backlight. Press the 'Light Switch Key' (sun icon button) to cycle through the available colors or to turn the lights on/off. A breathing mode is also available.

7 Color LED Backlit

Press 🔅 to Switch 7 Colors or Turn On/Off the Light

This image displays the LIHAN C87B and illustrates the various 7-color LED backlight options, controlled by pressing the light switch key.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.

TROUBLESHOOTING

Problem	Possible Solution
Static or Poor Audio Quality	- Ensure the FM frequency on the transmitter and car radio is clear and not overlapping with a broadcast station. Try a different frequency. - Adjust the volume on both your phone and car stereo. - Move the transmitter slightly within the cigarette lighter socket to improve connection.
Bluetooth Disconnection	- Ensure the transmitter is powered on and within range of your phone. - Delete "C87B" from your phone's Bluetooth device list and re-pair. - Restart both your phone and the transmitter.
Device Not Charging	- Check if the charging cable is securely connected to both the device and the transmitter. - Ensure your device is compatible with QC3.0 or Type-C charging. - Try a different charging cable or port. - Verify the car's cigarette lighter socket is functioning correctly.
No Power	- Ensure the transmitter is fully inserted into the cigarette lighter socket. - Check the car's fuse for the cigarette lighter socket.

SPECIFICATIONS

Feature	Detail
Model Number	C87B
Product Dimensions	1.8 x 2 x 4 inches
Item Weight	1.44 ounces
Connectivity Technology	Wireless (Bluetooth)
Power Source	DC (12V-24V Car Cigarette Lighter)
Charging Ports	QC3.0, Type-C (PD)

Feature	Detail
Total Charging Output	42W
Music Playback Formats	MP3, WMA, WAV, FLAC (via TF Card/USB Stick)
TF Card/USB Stick Capacity	Up to 64GB
Special Features	Hands-Free Calls, USB/TF card player, Bluetooth adapter, Car phone charger, Music adapter, 7-Color LED Backlight, Dual LED Displays (FM/Voltage)
Material	Metal, Plastic
Manufacturer	INTRO UNION ELECTRONICS CO.,LIMITED

WARRANTY AND SUPPORT

Specific warranty details are not provided in this manual. For warranty information, please refer to the product packaging or contact the seller directly. For technical support or further assistance, please reach out to LIHAN customer service through the retailer where the product was purchased.