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LIHAN HY-66

LIHAN Bluetooth Car Adapter HY-66 User Manual

WIRELESS FM TRANSMITTER WITH DUAL FAST CHARGING

Introduction

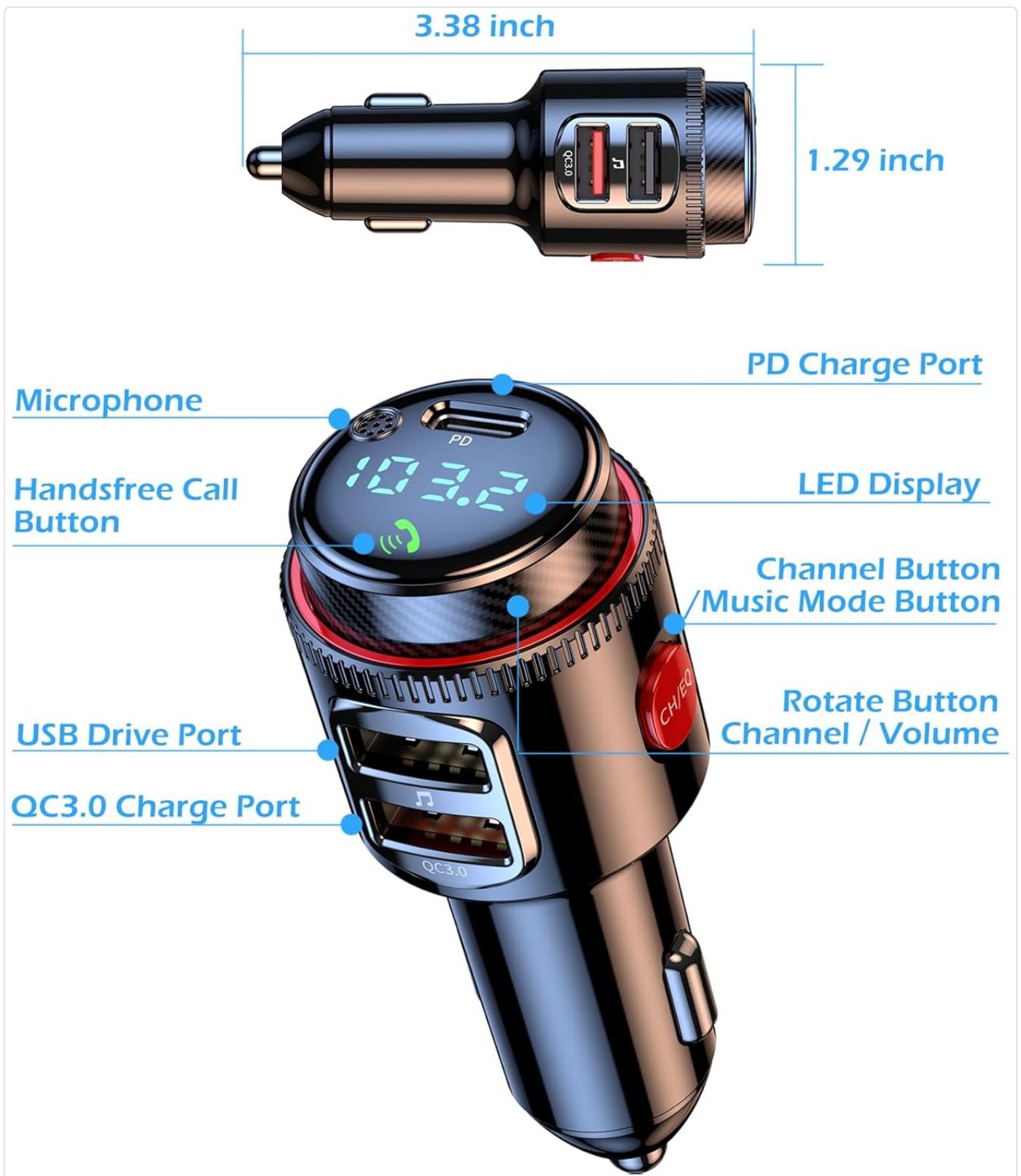
This manual provides detailed instructions for the LIHAN Bluetooth Car Adapter HY-66. Please read it carefully to ensure proper use and optimal performance of your device. This adapter is designed to enhance your in-car audio experience with wireless music streaming, hands-free calling, and fast charging capabilities.

Safety Information

- Always follow the charging instructions provided in this manual.
- Do not use damaged charging cables or accessories with this device.
- Keep the device away from extreme heat sources, direct sunlight, and high humidity to prevent damage.
- Do not dispose of the device or its components in fire.
- Ensure the device is securely plugged into the cigarette lighter socket to prevent accidental dislodgement during driving.
- Avoid operating the device in a manner that distracts from driving. Always prioritize road safety.

Product Overview

Familiarize yourself with the components of your LIHAN Bluetooth Car Adapter HY-66.



This image displays the LIHAN Bluetooth Car Adapter HY-66 with its various components labeled. Key features include the PD Charge Port, Microphone, Handsfree Call Button, LED Display, Channel Button/Music Mode Button, Rotate Button for Channel/Volume, USB Drive Port, and QC3.0 Charge Port. The device dimensions are also indicated: approximately 3.38 inches in length and 1.29 inches in width.

Components:

- **PD Charge Port (Type-C):** For fast charging compatible devices with Power Delivery technology.
- **Microphone:** Integrated for hands-free calling.
- **Handsfree Call Button:** Used to answer, reject, or recall phone calls.
- **LED Display:** Shows the current FM frequency and real-time car battery voltage.
- **Channel Button / Music Mode Button (CH/EQ):** Press to change FM frequency or activate the EQ/Bass Boost

feature.

- **Rotate Button:** Rotates to adjust volume and FM channel. Press to play/pause music or answer/end calls.
- **USB Drive Port:** For playing music directly from a USB stick (supports up to 64GB).
- **QC3.0 Charge Port:** For fast charging compatible devices with Quick Charge 3.0 technology.

Setup Instructions

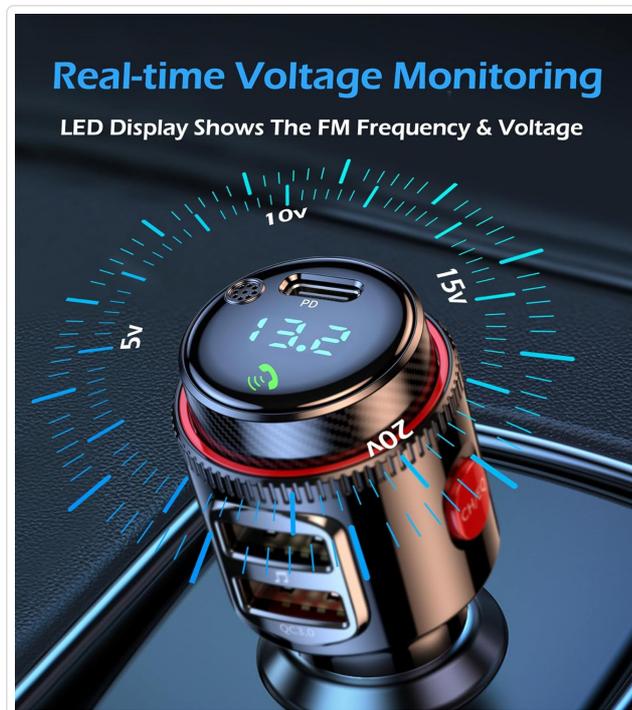
Follow these steps for initial setup and pairing:

1. **Insert the Adapter:** Plug the LIHAN Bluetooth Car Adapter into your vehicle's 12V-24V cigarette lighter socket. The LED display will light up, indicating power.
2. **Find a Blank FM Frequency:** Tune your car's FM radio to an empty frequency (one with no active broadcast). This frequency should produce static or silence to minimize interference.



This image illustrates the first step of setup, showing a car radio display tuned to a blank FM frequency, such as 103.9 MHz, to minimize interference.

3. **Set Adapter FM Frequency:** Press and hold the "CH/EQ" button on the adapter until the FM frequency on the LED display starts flashing. Rotate the multi-function knob (rotate button) to match the adapter's frequency to the blank FM frequency you found on your car radio. Once matched, press the "CH/EQ" button again to confirm.



This image demonstrates the second step, where the adapter's LED display shows 103.9 MHz, matching the car radio's blank frequency. The adapter's frequency is flashing, indicating it's ready for adjustment.

4. **Pair with Bluetooth:** On your mobile device, enable Bluetooth and search for available devices. Select "HY-66" (or a similar name) from the list to pair. A voice prompt will confirm successful connection. You will not need to repeat pairing after the first successful connection.



This image shows a smartphone screen with Bluetooth settings, indicating a successful connection to the "HY-66" device.

Operating Instructions

Music Streaming

Via Bluetooth:

- Once paired, open your music application on your mobile device and start playback. Audio will stream through your car's speakers.

- Rotate the multi-function knob to adjust the volume.
- Press the multi-function knob once to play or pause music.
- Rotate the multi-function knob clockwise to skip to the next track, and counter-clockwise for the previous track.

Via USB Drive:

- Insert a USB stick (formatted with MP3/WMA/WAV/FLAC audio files, up to 64GB) into the USB Drive Port.
- The adapter will automatically detect and begin playing music from the USB drive.
- Use the multi-function knob to adjust volume and navigate tracks as described for Bluetooth streaming.



This image illustrates the two music playing modes: Bluetooth 5.0 connectivity for streaming from a smartphone and direct playback from a USB drive (up to 64GB).

Hands-Free Calling

The built-in microphone and CVC Noise Reduction technology ensure clear conversations.

- **Answer Call:** Press the Handsfree Call Button once to answer an incoming call.
- **Reject Call:** Press and hold the Handsfree Call Button for approximately 2 seconds to reject an incoming call.
- **Hang Up:** Press the Handsfree Call Button once during a call to end it.
- **Recall Last Number:** Double-press the Handsfree Call Button to redial the last outgoing number.

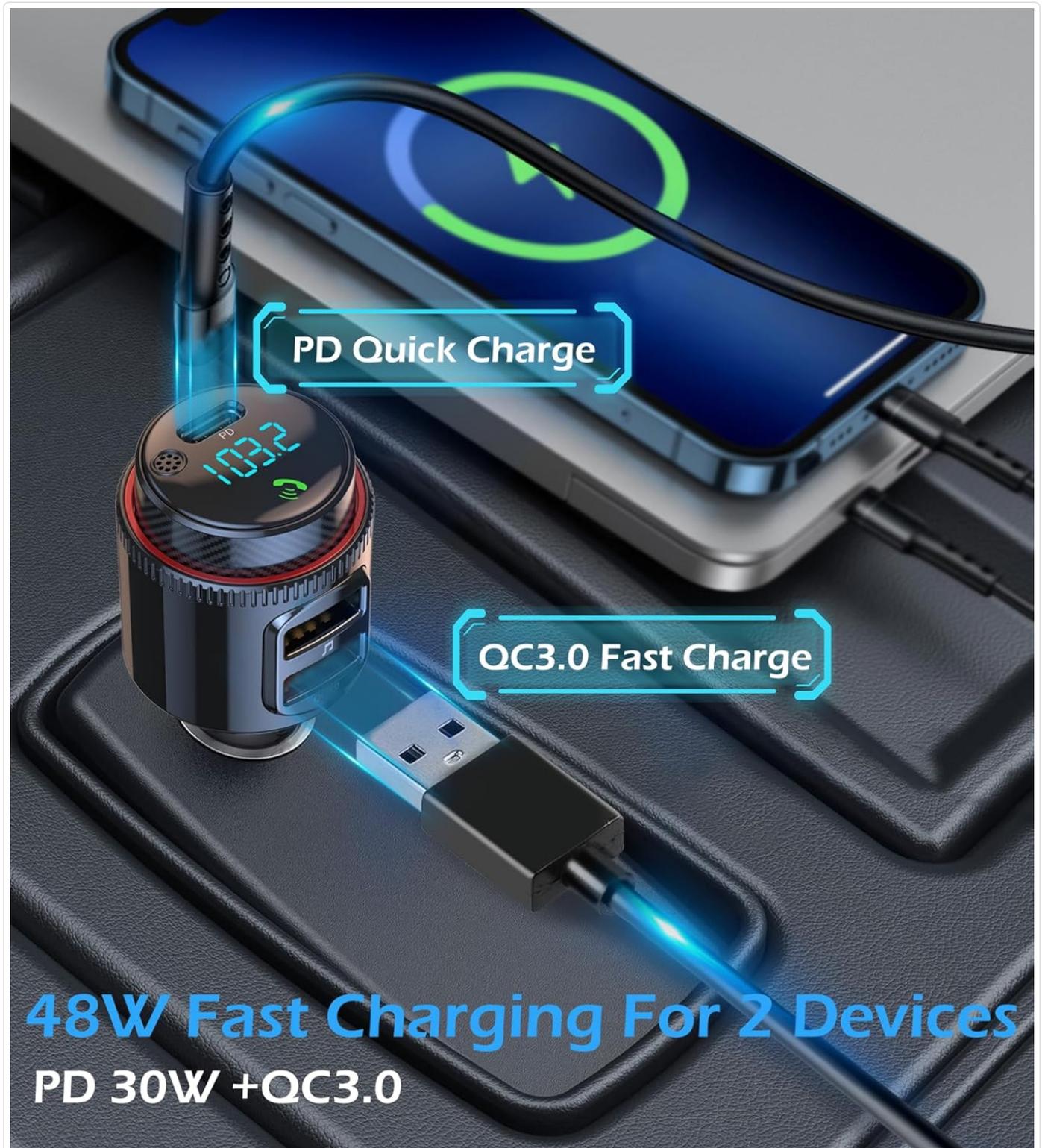


This image visually explains the hands-free calling features, showing icons for answering, rejecting, and hanging up calls, along with CVC Noise Reduction technology for clear conversations.

Charging Functions

The adapter is equipped with advanced charging ports:

- The adapter features a Quick Charge 3.0 (QC3.0) port and a Type-C Power Delivery (PD) 30W port.
- Connect your compatible devices to these ports for rapid charging. The maximum total power output can reach 48W, providing efficient charging for two devices simultaneously.
- Built-in over-current, over-voltage, intelligent temperature control, and short-circuit protection ensure safe charging.



This image demonstrates the adapter's dual fast charging capability, with a phone connected to the PD Quick Charge port and another device connected to the QC3.0 Fast Charge port, illustrating 48W fast charging for two devices.

EQ/Bass Boost

- Press the "CH/EQ" button once to activate the Hi-Fi Deep Bass mode for an enhanced audio experience with powerful bass. Press again to deactivate.



This image highlights the 3D Stereo Surround Music Mode, indicating that pressing the "EQ" button activates multiple sound effects for an immersive audio experience.

Voice Assistant (Siri/Google Assistant)

- The adapter supports streaming audio from navigation applications and voice assistants like Siri or Google Assistant to your car's speakers.
- Activate your device's voice assistant as usual; the audio will be routed through the adapter.

Real-time Voltage Monitoring

- The LED display on the adapter shows the current voltage of your car's battery, allowing for real-time monitoring of your vehicle's electrical system.

Maintenance

- Keep the device clean by wiping it with a dry, soft cloth. Avoid using liquid cleaners or abrasive materials.
- Avoid exposing the device to extreme temperatures (hot or cold) or direct sunlight for prolonged periods.
- Do not attempt to disassemble or repair the device yourself. This may void the warranty and could cause damage.
- Ensure the cigarette lighter socket is free of debris before inserting the adapter.

Troubleshooting

No Power / Device Not Turning On

- Ensure the adapter is fully inserted into the cigarette lighter socket.
- Check your car's cigarette lighter fuse. If blown, replace it according to your vehicle's manual.
- Verify your vehicle's power outlet is functioning correctly by testing it with another device.

Static or Poor Audio Quality

- Ensure the FM frequency on both the adapter and your car radio are identical and set to a blank frequency (one with no active broadcast).
- Try a different blank FM frequency if interference persists, especially in urban areas.
- Adjust the volume on both your car radio and the adapter. Setting the adapter's volume too high can cause distortion.
- Ensure your mobile device's volume is also at an appropriate level.
- Move your mobile device closer to the adapter to improve Bluetooth signal strength.

Bluetooth Connection Issues

- Make sure Bluetooth is enabled on your mobile device.
- Forget the device "HY-66" from your mobile device's Bluetooth settings and attempt to pair again.
- Restart both your mobile device and the car adapter (by unplugging and re-plugging it).
- Ensure no other devices are actively connected to the adapter, as it supports one Bluetooth connection at a time.

Charging Not Working

- Verify that the charging cable is securely connected to both the adapter and your device.
- Check if your charging cable is damaged. Try a different, known-good cable.
- Ensure your device supports fast charging for QC3.0 or PD ports to utilize the full charging speed.

Specifications

Model Number	HY-66
Product Dimensions	2.5 x 1.6 x 3.7 inches
Item Weight	1.44 ounces
Power Source	DC 12-24V
Connectivity Technology	Bluetooth 5.0, USB

Charging Ports	Quick Charge 3.0, Type-C PD 30W (Max total 48W)
Special Features	Built-In Microphone, Fast Charging, Hands-Free Calls, Low Latency, Noise Cancellation (CVC), Hi-Fi Deep Bass, Real-time Voltage Monitoring, USB Drive Support (≤64GB)
Material	Plastic
Manufacturer	Dongguan Deruichen Electronics. Co., Ltd.

Warranty and Support

This product comes with a 12-month warranty from the date of purchase. If you encounter any issues or have questions regarding the LIHAN Bluetooth Car Adapter HY-66, please contact LIHAN customer support for assistance.

For warranty service or technical support, please refer to the contact information provided with your purchase or visit the official LIHAN website. Our support team is dedicated to providing a satisfying solution.