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› LIHAN Bluetooth 5.4 FM Transmitter Car Adapter C33 User Manual

LIHAN C33

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Model: C33

1. INTRODUCTION

This manual provides detailed instructions for the LIHAN Bluetooth 5.4 FM Transmitter Car Adapter, Model C33. This device allows you to stream audio from your Bluetooth-enabled devices or USB flash drive to your car's FM radio, make hands-free calls, and charge your devices rapidly.



Image 1.1: LIHAN Bluetooth 5.4 FM Transmitter Car Adapter C33. This image displays the overall design of the car adapter, featuring its dual charging ports (USB-C PD and QC3.0), digital FM display, and multi-function button, all encased in a sleek, metallic finish with colorful LED lighting.

2. PRODUCT FEATURES

- **Upgraded Bluetooth 5.4:** Provides faster, smarter, and more reliable connection speeds for instant pairing and reconnection.
- **54W Fast Charging:** Equipped with a 36W USB-C Power Delivery (PD) port and an 18W Quick Charge 3.0 (QC3.0) USB-A port, allowing simultaneous fast charging of two devices.
- **Hands-Free Calling:** Features CVC noise suppression and echo cancellation technology for clear call quality. Supports answer, redial, hang up, and reject functions with a single button.
- **Superior Music Streaming:** Supports audio playback via Bluetooth from various music apps or video audio, and directly from a USB flash drive. Compatible with various audio file formats.
- **LED Backlighting:** Integrated rainbow light function to enhance the driving atmosphere. The light can be turned off if not desired.
- **Multiple Safety Protections:** Incorporates high-performance intelligent protections against over-current, over-voltage, over-load, over-heating, and short-circuit, ensuring safe operation.

Upgraded Bluetooth 5.4

More Stable Connection and Transmission

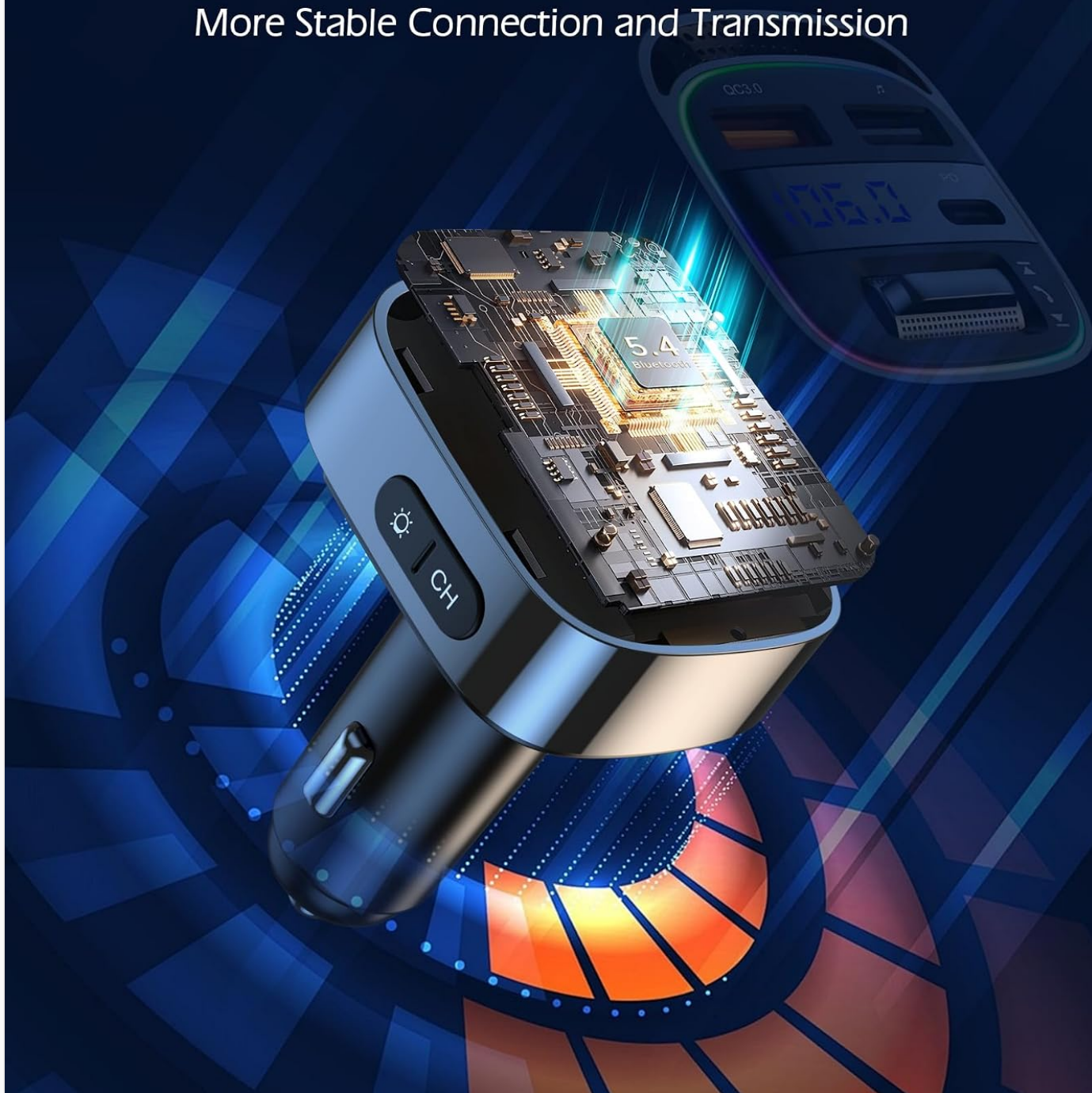


Image 2.1: Internal view highlighting the Bluetooth 5.4 chip. This image shows a transparent view of the device, emphasizing the internal circuitry and the advanced Bluetooth 5.4 chip, indicating stable and fast wireless connectivity.

3. PRODUCT COMPONENTS AND DIMENSIONS

Familiarize yourself with the different parts of your LIHAN FM Transmitter:



Image 3.1: Labeled diagram of the LIHAN C33 FM Transmitter with dimensions. This diagram clearly labels key components such as the Microphone, USB Flash Drive Port, Type-C Charge Port, QC3.0 Charge Port, Display (FM & Voltage), Light Switch Button, FM Button, Multi-function Button, and Colored Lights. It also provides the product dimensions: 2.83 inches in length, 2 inches in width, and 1.29 inches in depth.

- **Microphone:** For hands-free calling.
- **USB Flash Drive Port:** For music playback from a USB drive.
- **Type-C Charge Port (PD):** 36W Power Delivery for fast charging compatible devices.
- **QC3.0 Charge Port:** 18W Quick Charge 3.0 for fast charging compatible devices.
- **Display:** Shows FM frequency and car battery voltage.
- **Light Switch Button:** To turn the LED backlighting on/off.

- **FM Button (CH):** To adjust the FM frequency.
- **Multi-function Button:** Controls music playback, call management, and volume.
- **Colored Lights:** Decorative LED backlighting.

4. SETUP INSTRUCTIONS

1. **Insert into Car Cigarette Lighter:** Plug the FM transmitter into your car's 12V-24V cigarette lighter socket. The device will power on automatically.
2. **Tune Car Radio to a Blank FM Frequency:** Select an unused, clear FM frequency on your car's radio. This should be a frequency with no active broadcast to minimize interference.
3. **Adjust FM Transmitter Frequency:** Press the 'CH' (FM) button on the transmitter. Then, use the multi-function button (rotate or press up/down, depending on model variation) to match the transmitter's frequency to the blank frequency you selected on your car radio.
4. **Pair via Bluetooth:** On your mobile device, enable Bluetooth and search for available devices. Select 'C33' from the list to pair. Once paired, you will hear a confirmation tone.



Image 4.1: Visual guide for setting up the LIHAN C33. This image illustrates the three main setup steps: 1. Selecting a blank FM frequency on the car radio (e.g., 88.80 MHz). 2. Adjusting the FM transmitter to the same frequency. 3. Pairing your Bluetooth device with the transmitter, which appears as 'C33' in your phone's Bluetooth settings.

5. OPERATING INSTRUCTIONS

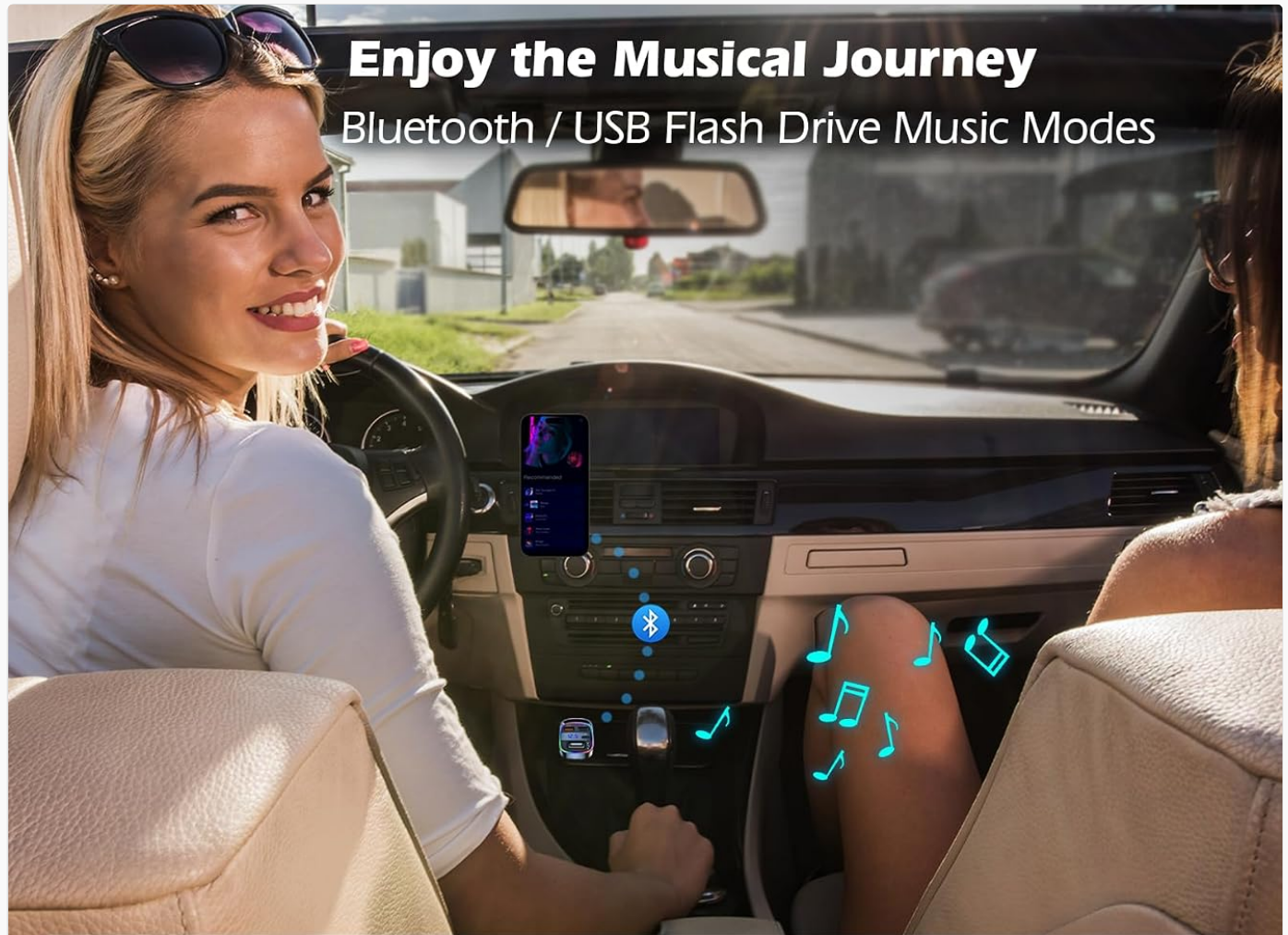
5.1 Music Playback

- **Bluetooth Streaming:** After successful Bluetooth pairing, open your preferred music or audio app on your phone. Audio will stream through your car's speakers.
- **USB Flash Drive Playback:** Insert a USB flash drive containing audio files into the designated USB port. The device

will automatically detect and play the music.

Music Control (using Multi-function Button):

- **Previous Song:** Press the multi-function button once (left direction).
- **Next Song:** Press the multi-function button once (right direction).
- **Volume -:** Press and hold the multi-function button for 3 seconds (down direction).
- **Volume +:** Press and hold the multi-function button for 3 seconds (up direction).



Enjoy the Musical Journey

Bluetooth / USB Flash Drive Music Modes



Music Control

- ◀ Previous Song: Press up Once
- ▶ Next Song: Press down Once
- ▲ Volume -: Press up for 3 Seconds
- ▼ Volume +: Press down for 3 Seconds

Image 5.1: Guide for music control using the LIHAN C33. This image shows a user enjoying music in a car, with an overlay detailing how to control music playback: Pressing the multi-function button once for previous/next song, and pressing for 3 seconds for volume adjustment.

5.2 Hands-Free Calling

When a call comes in, the device will announce the incoming call. Use the multi-function button to manage calls:

- **Answer Call:** Press the multi-function button once.
- **Hang Up Call:** Press the multi-function button once during a call.
- **Reject Call:** Press and hold the multi-function button for 3 seconds.
- **Redial Last Number:** Press the multi-function button twice.

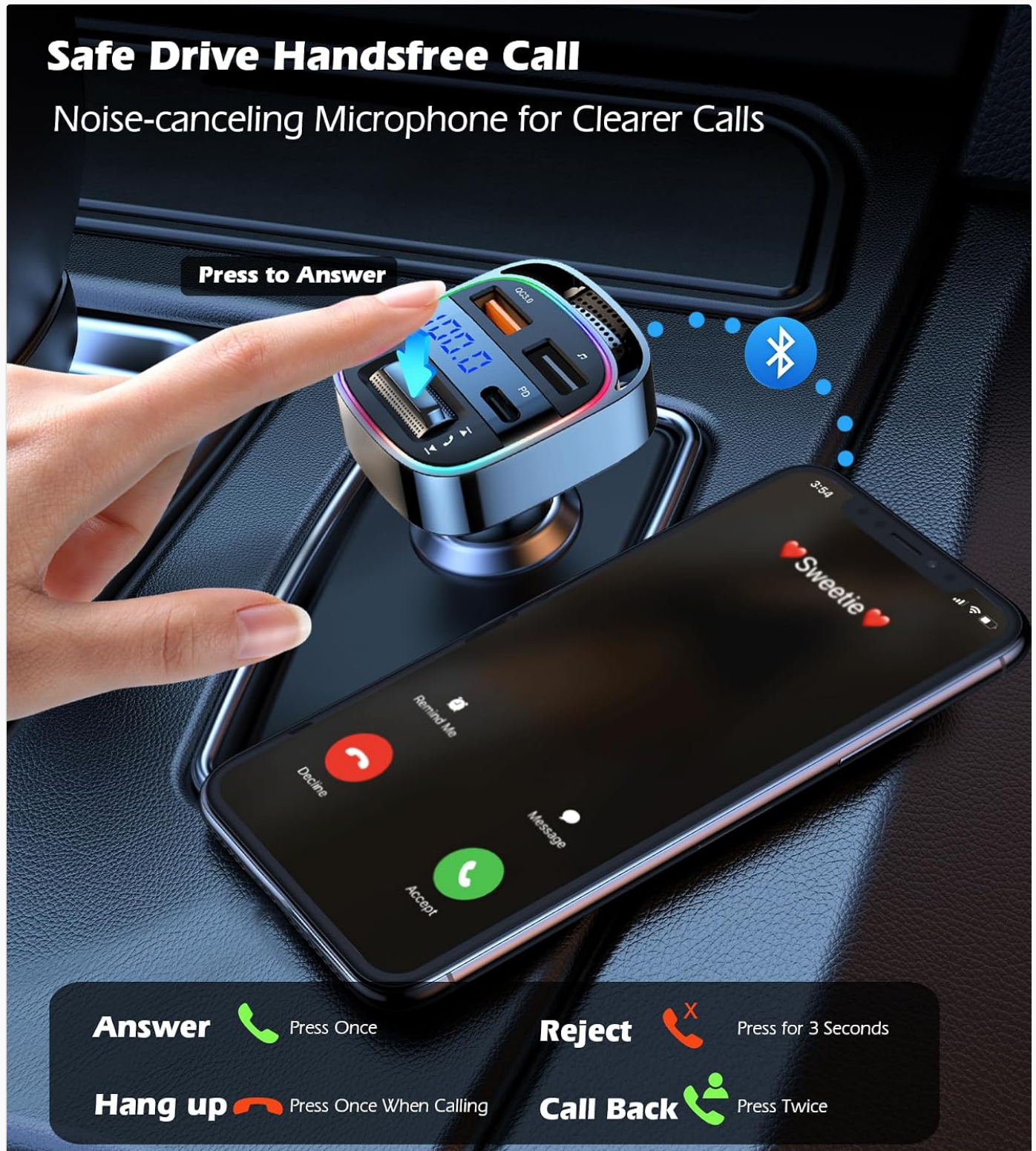


Image 5.2: Instructions for safe hands-free calling with the LIHAN C33. This image depicts the device in a car's console, with a smartphone displaying an incoming call. It provides clear visual cues for call management: Press once to Answer/Hang up, Press for 3 seconds to Reject, and Press twice to Call Back.

5.3 Device Charging

The LIHAN C33 features two fast-charging ports:

- **USB-C PD Port (36W):** For devices compatible with Power Delivery fast charging.
- **QC3.0 USB-A Port (18W):** For devices compatible with Quick Charge 3.0 fast charging.

Connect your devices using appropriate charging cables to utilize the fast-charging capabilities. The device can charge two devices simultaneously.

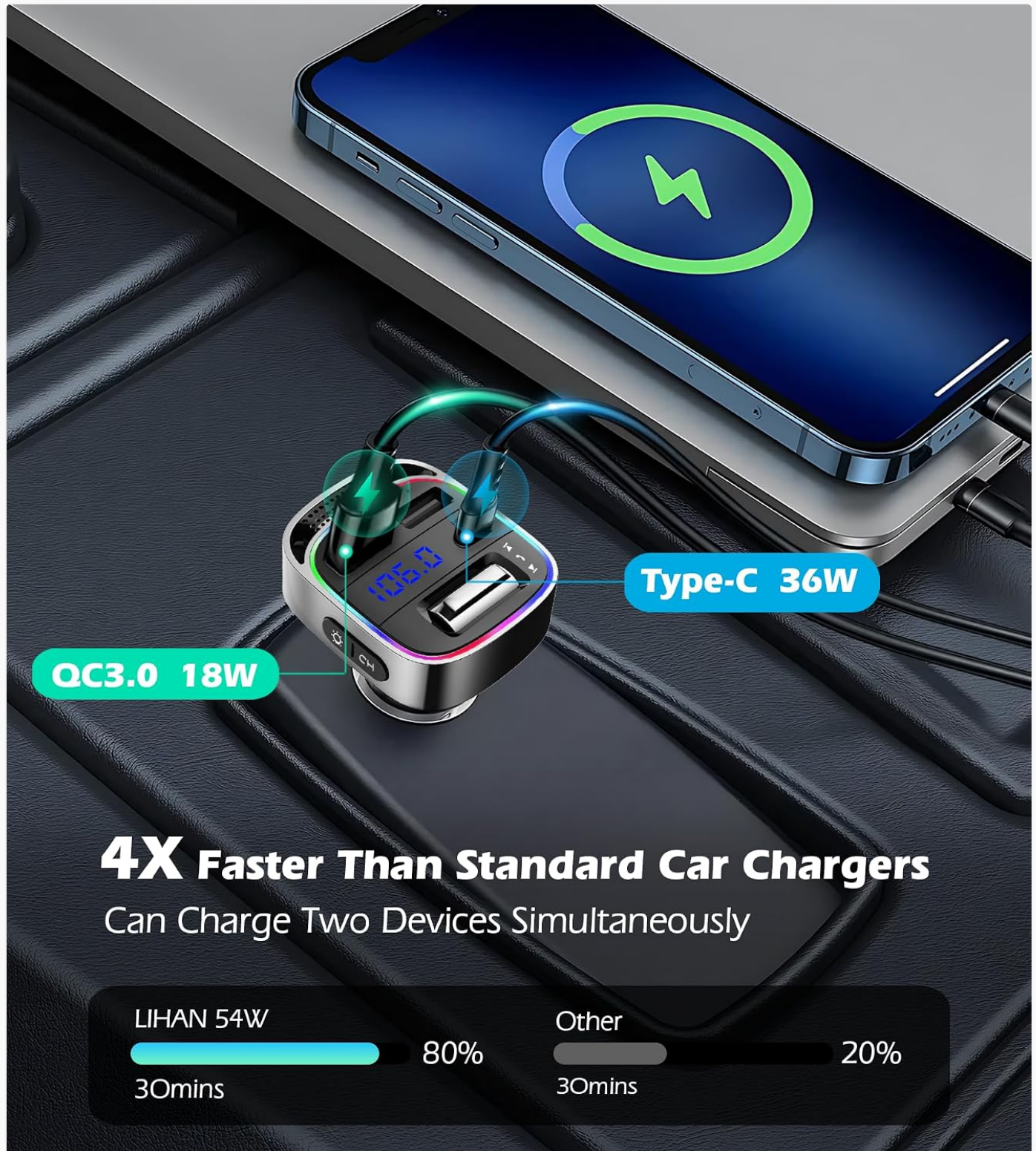


Image 5.3: Illustration of the LIHAN C33's fast charging capabilities. This image shows the device charging a smartphone via its Type-C 36W PD port and another device via its QC3.0 18W port, highlighting its ability to charge two devices simultaneously at high speeds.

5.4 LED Backlighting

The device features a colorful LED light ring. To control the light:

- **Turn On/Off:** Press the dedicated light switch button (labeled with a sun icon) on the side of the transmitter.



Image 5.4: The LIHAN C33 displaying its colorful LED light feature. This image shows the device illuminated with a rainbow-colored LED light, indicating the aesthetic feature and the button to control it (Light ON/OFF).

6. SAFETY INFORMATION

To ensure safe operation and prolong the life of your device, please observe the following:

- Ensure the device is used within the specified voltage range (12V-24V) for car cigarette lighter sockets.

- Avoid exposure to extreme temperatures, direct sunlight, or high humidity.
- Do not disassemble, modify, or attempt to repair the device yourself.
- Keep out of reach of children.
- Unplug the device when not in use for extended periods to prevent potential battery drain in some vehicles.

The LIHAN C33 is designed with multiple safety protections:

- Temperature Protection
- Short-circuit Protection
- Overvoltage Protection
- Overheat Protection
- Overcharge Protection
- Overcurrent Protection

Perfect Fit Safe to Use

Suitable for 12-24V Cars



Image 6.1: Icons representing the safety features of the LIHAN C33. This image visually lists the various protections integrated into the device: Temperature Protection, Short-circuit Protection, Overvoltage Protection, Overheat Protection, Overcharge Protection, and Overcurrent Protection, ensuring safe usage in 12-24V cars.

7. MAINTENANCE

- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure the charging ports are free from dust and debris to maintain optimal charging performance.
- Store the device in a cool, dry place when not in use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to the device.	Cigarette lighter socket not working or device not fully inserted.	Check car's cigarette lighter fuse. Ensure the device is firmly inserted into the socket.
Static or poor audio quality.	FM frequency interference or mismatched frequencies.	Find a clearer, unused FM frequency on your car radio and match the transmitter to it. Avoid frequencies with strong radio stations.
Bluetooth connection issues.	Device not in pairing mode, Bluetooth off on phone, or too far from device.	Ensure Bluetooth is enabled on your phone. Re-pair the device. Move closer to the transmitter.
Fast charging not working.	Device/cable not compatible with fast charging, or cable is faulty.	Ensure your device and charging cable support PD or QC3.0. Try a different cable.
Hands-free call quality is poor.	Microphone obstruction or environmental noise.	Ensure the microphone is not obstructed. Reduce car fan speed or window noise.

9. SPECIFICATIONS

- **Model:** C33
- **Bluetooth Version:** 5.4
- **Input Voltage:** 12V-24V DC
- **USB-C Output:** 36W Power Delivery (PD)
- **USB-A Output:** 18W Quick Charge 3.0 (QC3.0)
- **Total Output:** 54W Max
- **FM Frequency Range:** 87.5-108.0 MHz
- **Connectivity:** Bluetooth, FM, USB Drive
- **Special Features:** Built-In Microphone, Fast Charging, Hands-Free Calls, Low Latency, Noise Cancellation, LED Backlighting
- **Material:** Plastic
- **Product Dimensions:** 2 x 1.29 x 2.83 inches
- **Item Weight:** 1.44 ounces
- **Manufacturer:** Dongguan Deruichen Electronics.Co.,Ltd.

10. WARRANTY AND SUPPORT

LIHAN products are designed and manufactured to the highest quality standards. For warranty information and customer support, please refer to the documentation included with your purchase or visit the official LIHAN website. Please retain your proof of purchase for warranty claims.

For further assistance, you may contact LIHAN customer service through the vendor's contact information provided at the

point of purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question