

Questyle QCC Dongle Pro

QCC Dongle Pro User Manual

Model: QCC Dongle Pro | Brand: Questyle

1. INTRODUCTION

The Questyle QCC Dongle Pro is a high-performance USB-C Bluetooth audio adapter designed to provide a lossless, low-latency wireless audio experience. It supports advanced audio codecs such as LDAC, aptX Lossless, and aptX-Adaptive, ensuring high-fidelity sound transmission for various devices including iPhones, iPads, Macs, PCs, PS5, and Nintendo Switch. This manual provides essential information for setting up, operating, and maintaining your QCC Dongle Pro.



Image: The QCC Dongle Pro, a sleek, compact USB-C Bluetooth audio adapter shown from two angles, highlighting its small form factor and USB-C connector.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- QCC Dongle Pro Lossless Bluetooth Transmitter
- USB A to Type-C Adapter
- User Manual
- Warranty Card

In the Box



**QCC Dongle Pro
Lossless Bluetooth
Transmitter**



**USB A to Type-C
Adapter**



**Warranty Card &
User Manual**

Image: An illustration showing the QCC Dongle Pro, a USB A to Type-C adapter, and the Warranty Card & User Manual, indicating the items included in the product packaging.

3. KEY FEATURES

- **LDAC on iPhone/iPad/Mac:** As an official LDAC partner, the QCC Dongle Pro enables high-resolution audio streaming at up to 990 kbps from your Apple devices or any Type-C device to LDAC-compatible headphones.

Enables LDAC Lossless Audio on iphone/ipad/mac

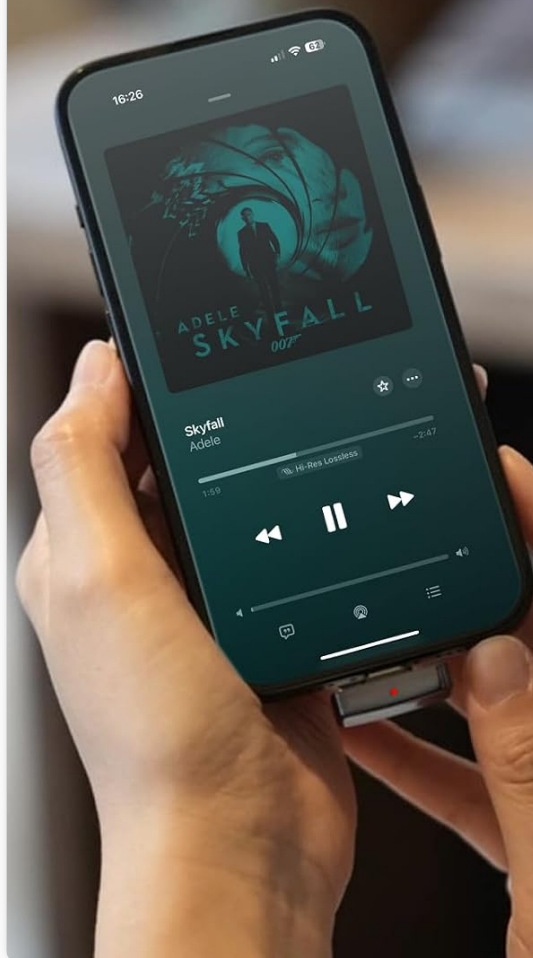


Image: A person holding an iPhone with the QCC Dongle Pro connected, displaying a music player interface. The LDAC logo is visible, indicating high-quality audio transmission.

- **Wireless Immersive Gaming:** Overcomes Bluetooth audio limitations on PS5 and Nintendo Switch, providing a wireless, high-quality gaming experience with aptX Adaptive support for low-latency and accurate audio-visual sync.

Enjoy Wireless Immersive Gaming

(Cut the cord on Switch/PS5 for immersive play)

Exclusive game mode

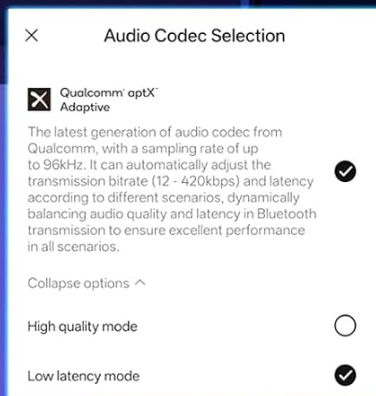


Image: A person playing a video game on a PS5 console while wearing wireless headphones, with the QCC Dongle Pro connected to the console, illustrating immersive gaming.

- **Wide Compatibility:** Connects easily to Bluetooth headphones or speakers from smartphones, tablets, and computers (iOS, Android 5.1+, Windows 10 v1803+, macOS). Plug and play functionality for most systems.

Wide Compatibility

(It's incompatible with AirPods)



PS5



Switch



PC



iphone



Mac



Bluetooth Headset



Sound Bar



Bluetooth Speaker



Earbuds

Image: A graphic illustrating the wide compatibility of the QCC Dongle Pro with devices such as PS5, Nintendo Switch, PC, iPhone, and Mac, and audio outputs like Bluetooth headsets, soundbars, Bluetooth speakers, and earbuds. Note: Incompatible with AirPods.

- **Ultra-low Latency:** Equipped with Qualcomm's Snapdragon Sound technology and Bluetooth 5.4, supporting aptX, aptX HD, aptX Adaptive, and aptX Lossless codecs for high-resolution sound with minimal latency.

Latest Qualcomm Bluetooth 5.4

Ultra-high sound quality Ultra-low Latency



Qualcomm®
aptX™



Qualcomm®
aptX™ HD



Qualcomm® aptX™
Adaptive

aptX Lossless

Image: A cutaway view of the QCC Dongle Pro highlighting the Qualcomm chip inside, with text indicating support for Bluetooth 5.4, ultra-high sound quality, ultra-low latency, and various aptX codecs (aptX, aptX HD, aptX Adaptive, aptX Lossless).

- **MFi Certification:** The QCC Dongle Pro is MFi certified, ensuring seamless compatibility with iPhone, iPad, and the broader Apple ecosystem, meeting strict standards for power consumption and device integration.

MFi Certified Performance and Compatibility Guaranteed



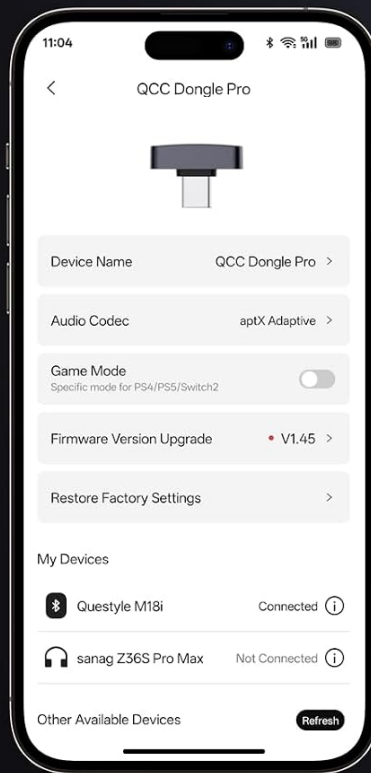
Image: The QCC Dongle Pro connected to an iPhone, with an iPad in the background, and the 'Made for iPhone | iPad' logo, signifying MFi certification.

- **Rich Codec Compatibility:** Supports aptX, aptX Adaptive, aptX Lossless, aptX HD, LDAC, and SBC. Corresponding LED lights indicate the active codec. Note: Your headphones must also support the same standard for optimal performance.
- **Companion App:** A dedicated Questyle app allows users to manage device connections, perform one-click firmware upgrades, and adjust Bluetooth audio codec settings for customized sound quality.

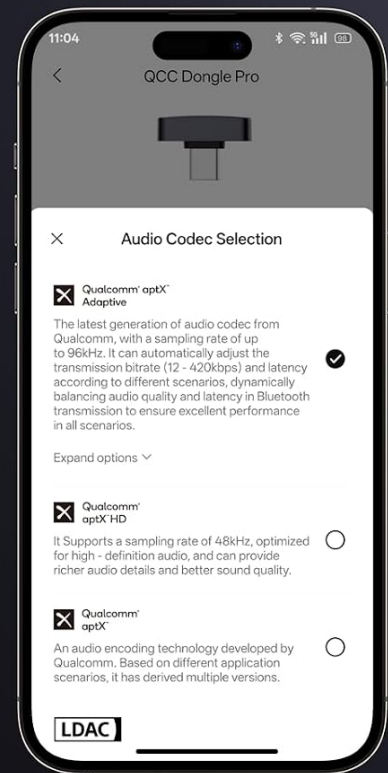
Exclusive APP Easy to Control



Device detected



Manage devices



Set encoding format

Image: Three screenshots of the Questyle companion app on a smartphone, demonstrating device detection, device management, and audio codec selection settings for the QCC Dongle Pro.

4. SETUP GUIDE

4.1. Initial Connection

1. Plug the QCC Dongle Pro into a USB Type-C port on your device (smartphone, tablet, PC, PS5, Nintendo Switch).
2. The dongle will automatically enter pairing mode, indicated by a flashing LED.

4.2. Pairing with Bluetooth Headphones/Speakers

1. Put your Bluetooth headphones or speakers into pairing mode. Refer to your audio device's manual for specific instructions.
2. The QCC Dongle Pro will automatically detect and attempt to pair with nearby devices in pairing mode.
3. Once paired, the LED indicator on the QCC Dongle Pro will change to a solid color, indicating the active audio codec.

4.3. Special Instructions for PS5/Nintendo Switch

For PS5 and Nintendo Switch, an initial pairing step using the Questyle app is required:

1. Download the 'Questyle' app on your smartphone.
2. Connect the QCC Dongle Pro to your smartphone's USB Type-C port.
3. Use the Questyle app to pair the dongle with your desired Bluetooth headset/speaker.
4. Once paired via the app, unplug the dongle from your phone and plug it into the USB Type-C port of your PS5 or Nintendo Switch.
5. The console will automatically recognize the dongle and begin wireless audio transmission.

5. OPERATING INSTRUCTIONS

5.1. General Use

- After successful pairing, audio from your connected device will be transmitted wirelessly to your Bluetooth headphones or speakers.
- Volume control typically operates via your connected audio device (headphones/speakers) or the source device (phone/PC).

5.2. Using the Questyle Companion App

The dedicated Questyle app provides enhanced control and customization:

- **Device Management:** View connected devices and manage pairings.
- **Firmware Upgrades:** Perform one-click firmware updates to ensure optimal performance and access new features.
- **Audio Codec Settings:** Adjust Bluetooth audio codec settings to customize sound quality based on your preferences or listening scenarios. This allows you to select between high-quality modes (e.g., LDAC, aptX Lossless) and low-latency modes (e.g., aptX Adaptive) if supported by your headphones.

6. COMPATIBILITY

The QCC Dongle Pro offers broad compatibility with various operating systems and devices:

- **Operating Systems:** iOS, Android 5.1 and above, Windows 10 (version 1803 and above), macOS.
- **Devices:** Smartphones, Tablets, Desktop PCs, Laptops, PS5, Nintendo Switch.
- **Audio Devices:** Compatible with most Bluetooth headphones and speakers.
- **Note:** The QCC Dongle Pro is not compatible with Apple AirPods.

7. SMART STATUS LED INDICATORS

The QCC Dongle Pro features an LED indicator that displays its current status and the active audio codec:

- **Red (Solid):** aptX Adaptive / LDAC / aptX Lossless codec active.
- **White (Solid):** aptX HD / aptX codec active.
- **Blue (Solid):** SBC codec active.
- **Red (Flashing):** Pairing Mode.
- **Blue (Flashing):** Reconnection Mode.

Smart Status LED



aptX Adaptive / LDAC
aptX Lossless



aptX HD / aptX



SBC



Pairing Mode



Reconnection Mode



Image: A visual guide to the QCC Dongle Pro's LED indicators, showing different colors and patterns corresponding to active audio codecs (aptX Adaptive/LDAC/aptX Lossless, aptX HD/aptX, SBC) and operational modes (Pairing Mode, Reconnection Mode).

8. MAINTENANCE

- Keep the QCC Dongle Pro dry. Avoid exposure to moisture or liquids.
- Clean the device gently with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Avoid extreme temperatures. Store the device in a cool, dry place.
- Handle the USB-C connector with care to prevent damage.

9. TROUBLESHOOTING

9.1. Device Not Pairing

- Ensure your Bluetooth headphones/speakers are in pairing mode.

- Confirm the QCC Dongle Pro's LED is flashing red (pairing mode). If not, unplug and re-plug the dongle.
- For PS5/Switch, remember to first pair the dongle with your headphones via the Questyle app on a smartphone.
- Try restarting both the QCC Dongle Pro and your audio device.

9.2. No Sound or Low Sound Quality

- Check the volume levels on both your source device and your Bluetooth headphones/speakers.
- Ensure the QCC Dongle Pro is correctly plugged into the USB-C port and its LED indicates a stable connection (not flashing).
- Verify that your audio output is set to the QCC Dongle Pro on your source device (e.g., PC sound settings).
- If using advanced codecs (LDAC, aptX Lossless), ensure your headphones also support these codecs. The LED indicator will show the active codec.
- Try adjusting codec settings via the Questyle app if available.

9.3. Intermittent Connection or Dropouts

- Ensure there are no significant obstructions between the dongle and your audio device.
- Minimize interference from other wireless devices (Wi-Fi routers, other Bluetooth devices).
- Ensure your audio device is within the effective range of the QCC Dongle Pro.

10. SPECIFICATIONS

Feature	Specification
Product Dimensions	0.98 x 0.59 x 0.39 inches (2.49 x 1.50 x 0.99 cm)
Item Weight	0.078 ounces (2.2 Grams)
Hardware Interface	Bluetooth 5.4, USB Type-C
Data Link Protocol	aptX Adaptive, aptX Lossless, LDAC, aptX HD, aptX, SBC
Data Transfer Rate	Up to 990 Kbps (LDAC)
Color	Gunmetal Gray
Manufacturer	Questyle

11. WARRANTY AND SUPPORT

The QCC Dongle Pro comes with a limited warranty. Please refer to the included Warranty Card for detailed terms and conditions, including warranty period and coverage.

For technical support, troubleshooting assistance, or any questions regarding your QCC Dongle Pro, please contact Questyle customer service. Contact information can typically be found on the Questyle website or on the Warranty Card provided in the package.

If you have any questions in the usage of the product, please contact us and we will try our best to solve your problems.

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

Answered questions about this manual

Can the Questyle QCC Dongle Pro 2 independently select the LDAC codec when used with an iPhone and JBL LIVE BUDS 3, even if the JBL Headphones app does not show the LDAC option?

Based on the documentation for the Questyle QCC Dongle Pro series, you should be able to manage codec settings through the dedicated Questyle companion app rather than relying on the headphone manufacturer's app (JBL...

[Read full answer](#)