Questyle QCC Dongle Pro

Questyle QCC Dongle Pro User Manual

Model: QCC Dongle Pro

INTRODUCTION

The Questyle QCC Dongle Pro is a revolutionary Bluetooth audio transmitter designed to bring high-resolution, lossless audio to a wide range of devices, including Apple iPhones, iPads, Macs, Android devices, Windows PCs, and popular gaming consoles like the Nintendo Switch and Sony PS5. It overcomes the limitations of native Bluetooth codecs on many platforms, enabling superior audio quality with support for LDAC, aptX, aptX HD, and aptX Adaptive codecs. This manual provides detailed instructions for setting up, operating, and maintaining your QCC Dongle Pro to ensure an optimal audio experience.

WHAT'S IN THE BOX

- QCC Dongle Pro (USB-C)
- USB-A Adapter

PRODUCT OVERVIEW

Figure 1: Top view of the Questyle QCC Dongle Pro, showcasing its compact design and the 'Questyle' branding.

Figure 2: Side view of the QCC Dongle Pro, highlighting the integrated USB-C connector for direct device connection.

Figure 3: Bottom view of the QCC Dongle Pro, showing the small LED indicator light for status feedback.

SETUP

Initial Connection

1. **Connect the Dongle:** Plug the QCC Dongle Pro directly into the USB-C port of your iPhone, iPad, Mac, Android device, Windows PC, Nintendo Switch, or PS5. If your device only has a USB-A port, use the included USB-A adapter.

2. **Power On:** The dongle will power on automatically upon connection.

3. **Pairing:** Once connected, the QCC Dongle Pro will enter pairing mode. Activate Bluetooth on your desired headphones or speakers and select the QCC Dongle Pro from the list of available devices to establish a connection.

Apple MFi Certification

The QCC Dongle Pro is Apple MFi (Made For iPhone/iPad) certified. This certification ensures seamless compatibility with your Apple ecosystem, guaranteeing stable performance, optimal power consumption, and long-term compatibility with future iOS updates. It also protects against issues commonly associated with unverified accessories.

OPERATING INSTRUCTIONS

Audio Codec Support

The QCC Dongle Pro supports a wide range of high-quality Bluetooth audio codecs:

- **LDAC:** Sony's high-resolution audio codec, supporting up to 990kbps for near-lossless transmission. Ideal for Apple devices to bypass their native AAC/SBC limitations.
- **aptX, aptX HD, aptX Adaptive:** Qualcomm's suite of codecs offering high-resolution audio and ultra-low latency, especially beneficial for gaming.
- **AAC & SBC:** Standard Bluetooth codecs, ensuring broad compatibility.

Compatibility with Devices

The QCC Dongle Pro is optimized for broad compatibility across various platforms:

Apple Devices (iPhone, iPad, Mac)

Enjoy Sony LDAC lossless audio on your Apple devices. Simply plug in the dongle and pair your LDAC-compatible headphones.

Figure 4: The QCC Dongle Pro seamlessly connected to an iPhone, enabling high-quality audio streaming.

Windows & macOS Computers

For Windows 10 (version 1803 and later) and macOS, no additional drivers are required. The dongle extends Bluetooth support from basic SBC to lossless audio codecs, resolving issues with outdated or absent Bluetooth capabilities on computers.

Figure 5: The QCC Dongle Pro plugged into a laptop, providing enhanced Bluetooth audio capabilities.

Android Devices (5.1 and later)

The dongle connects easily and pairs stably with Android smartphones and tablets, improving Bluetooth performance and connection stability.

Gaming Consoles (Nintendo Switch, Sony PS5)

The QCC Dongle Pro overcomes the Bluetooth audio limitations of gaming consoles. With aptX Adaptive support, it delivers extremely low latency (down to 40ms) and high-resolution sound, ensuring perfect synchronization between audio and visuals for an immersive gaming experience. It also supports high-resolution voice chat for multiplayer sessions.

Note: To achieve low-latency performance, your headphones must also support aptX Adaptive and be based on the Qualcomm Gen 2 Sound platform.

Figure 6: The QCC Dongle Pro connected to a PlayStation 5, enabling wireless audio for gaming.

Figure 7: The QCC Dongle Pro attached to a Nintendo Switch, providing low-latency wireless audio for portable gaming.

COMPATIBLE LDAC HEADPHONES

The QCC Dongle Pro is compatible with a wide range of LDAC-enabled headphones. Below is a list of some verified compatible models:

Audio Technica

- ATH-TWX7
- ATH-M50X LAB
- ATH-SQ1TW2
- M50XBT2 LAB

SONY

- WF-1000XM5
- WH-1000XM5
- WH-1000XM4
- WH-CH720N
- WH-ULT900N
- LinkBuds S
- WH-H910N

TECHNICS

- Technics AZ100
- Technics EAH-800
- Technics A800
- EAH-AZ80
- EAH-AZ40M2

MAINTENANCE

The Questyle QCC Dongle Pro is designed for durability and requires minimal maintenance. To ensure its longevity and optimal performance:

- Keep the dongle clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the dongle to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

Troubleshooting

Common Issues and Solutions

- **Unstable Bluetooth Connection or Frequent Disconnections:**
  Ensure the dongle is securely plugged into your device. Try re-pairing the dongle with your Bluetooth headphones/speakers. Minimize interference from other wireless devices.

- **High Latency (Delay between Audio and Video):**
  For the lowest latency, ensure both the QCC Dongle Pro and your Bluetooth headphones/speakers support and are actively using the aptX Adaptive codec. Verify that your headphones are based on the Qualcomm Gen 2 Sound platform for optimal low-latency performance.

- **No Audio Output:**
  Check that the dongle is correctly connected and paired. Ensure your audio output settings on your device (phone, computer, console) are set to the QCC Dongle Pro or the connected Bluetooth headphones.

- **Dongle Not Recognized by Computer:**
  For Windows 10 (version 1803 and later) and macOS, the dongle should be plug-and-play. Ensure your operating system is up to date. Try plugging the dongle into a different USB port.

Specifications

Feature	Detail
Brand	Questyle
Model	QCC Dongle Pro
Bluetooth Version	5.4
Supported Codecs	LDAC, aptX, aptX HD, aptX Adaptive, AAC, SBC
Certification	Apple MFi, Snapdragon Sound
Connectivity	USB-C (with included USB-A adapter)
Compatibility	iOS, Android 5.1+, Windows 10 (1803+), macOS, Nintendo Switch, Sony PS5
Low Latency	Down to 40ms (with aptX Adaptive compatible headphones)

Warranty and Support

Manufacturer's Warranty

The Questyle QCC Dongle Pro comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
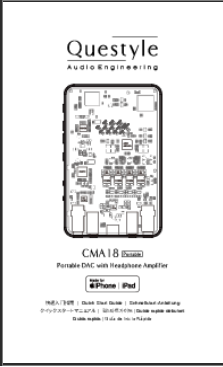
Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Questyle customer support through their official website or the retailer from whom you purchased the product. Provide your product model and a detailed description of the issue for faster service.

Related Documents - QCC Dongle Pro

	Questyle QCC Dongle: Lossless Bluetooth Transmitter Specification & Operation Questyle QCC Dongle is a MFi certified, lossless Bluetooth audio transmitter utilizing the Qualcomm QCC3086 chip for high-quality, low-latency wireless audio transmission. Supports aptX Adaptive, aptX HD, and broad device compatibility.
	QCC Dongle Pro: Lossless Bluetooth Transmitter with Snapdragon Sound Discover the QCC Dongle Pro, a lossless Bluetooth transmitter by Questyle featuring Qualcomm Snapdragon Sound. Enjoy high-quality, low-latency audio with support for aptX, aptX HD, aptX Adaptive, LDAC, and LE Audio for music and gaming.
	Questyle QCC Dongle Pro Lossless Bluetooth Transmitter Instructions Instructions for setting up and using the Questyle QCC Dongle Pro Lossless Bluetooth Transmitter, including status light explanations, pairing procedures, supported codecs, and system compatibility.

[Questyle QCC Dongle Pro Lossless Bluetooth Transmitter - High-Quality Audio](#)

The Questyle QCC Dongle Pro is a lossless Bluetooth transmitter featuring Qualcomm Snapdragon Sound technology. It supports aptX, aptX HD, aptX Adaptive, and LDAC for high-quality, low-latency audio. Compatible with multiple systems.

[Questyle QCC Dongle Lossless Bluetooth Transmitter - High-Quality Wireless Audio](#)

Explore the Questyle QCC Dongle, a lossless Bluetooth transmitter featuring Qualcomm Snapdragon Sound and aptX Adaptive for high-quality, low-latency audio. Compatible with various devices and operating systems.

[Questyle CMA18 Portable DAC with Headphone Amplifier - Quick Start Guide](#)

Explore the Questyle CMA18 Portable, a high-performance portable DAC and headphone amplifier. This guide covers its features, connectivity, operation, and specifications for an exceptional audio experience.