

## QUDELIX Qudelix-5K

# Qudelix-5K Bluetooth USB DAC AMP User Manual

MODEL: QUDELIX-5K | BRAND: QUDELIX

## 1. Introduction

The Qudelix-5K is a versatile Bluetooth USB DAC AMP designed to enhance your audio experience. It combines high-fidelity digital-to-analog conversion with powerful amplification, supporting a wide range of audio codecs and offering both wireless and wired connectivity options for various devices. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Qudelix-5K device.

## 2. Product Overview

### Key Features:

- Dual ES9219 HiFi DAC with 2.5mm Balanced (4V RMS) and 3.5mm Unbalanced (2V RMS) outputs.
- Qualcomm QCC5124 Bluetooth Chipset supporting HFP / HSP / A2DP / AVRCP, LDAC / aptX Adaptive / aptX HD / AAC codecs.
- Bluetooth and USB DAC functionality up to 96KHz/24bit with an embedded double-precision equalizer.
- Integrated 500mA Li-Po Battery providing 6~20 hours of streaming.
- Durable plastic body (Black) with anti-scratch UV Coating and an Aluminium Clip (Dark Gray).
- Compact dimensions: 52.8(H) x 26.7(W) x 15.6(D) mm (including Clip) and lightweight at 25g.

### Components and Indicators:



Front view of the Qudelix-5K Bluetooth USB DAC AMP, showcasing its compact design and the Qudelix logo.



Side view of the Qudelix-5K, highlighting the 3.5mm unbalanced and 2.5mm balanced audio output jacks.



Side view of the Qudelix-5K, showing the USB-C port for charging and data connection.



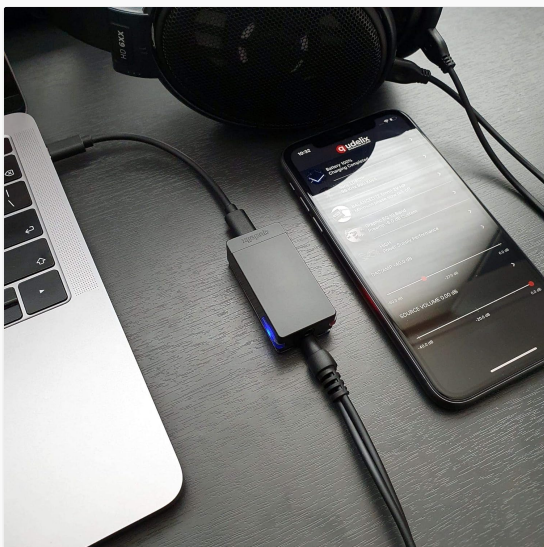
Two Qudelix-5K units, one displaying a red LED indicator and the other a blue LED indicator, signifying different operational states.



Close-up of the Qudelix-5K showing a red LED indicator, typically indicating charging or a specific status.



Close-up of the Qudelix-5K showing a blue LED indicator, typically indicating Bluetooth connection or power on.



The Qudelix-5K connected via USB to a laptop and wirelessly to a smartphone, demonstrating its versatile connectivity options.



Contents of the Qudelix-5K package, including the device, a USB-C to USB-A cable, and a USB-C to USB-C cable.



Internal view of the Qudelix-5K's circuit board, revealing the compact arrangement of electronic components.



Diagram illustrating the precise dimensions of the Qudelix-5K in millimeters, including its height, width, and depth.

### 3. Setup

1. **Charging the Device:** Before first use, fully charge your Qudelix-5K by connecting it to a USB power source (e.g., computer USB port, wall adapter) using the provided USB-C cable. The LED indicator will show charging status.

2. **Power On:** Press and hold the multi-function button (usually the top button) for approximately 3 seconds until the LED indicator lights up.
3. **Bluetooth Pairing:**
  - With the device powered on, press and hold the multi-function button for 5 seconds to enter Bluetooth pairing mode. The LED will flash rapidly.
  - On your smartphone or other Bluetooth-enabled device, search for available Bluetooth devices.
  - Select "Qudelix-5K" from the list to pair. The LED will turn solid blue once connected.
4. **USB Connection (DAC Mode):** Connect the Qudelix-5K to your computer or compatible device using the USB-C cable. The device will automatically switch to USB DAC mode. Ensure your operating system recognizes the Qudelix-5K as an audio output device.
5. **Connecting Headphones:** Plug your headphones into either the 3.5mm unbalanced output or the 2.5mm balanced output, depending on your headphone cable type.
6. **Install the Qudelix App:** For full control, customization, and firmware updates, download and install the official Qudelix app from your device's app store (available for iOS and Android).

## 4. Operating Instructions

### Basic Controls:

- **Power On/Off:** Long press the multi-function button (top button) for 3 seconds.
- **Volume Control:** Use the volume up (+) and volume down (-) buttons on the side of the device. Volume can also be controlled via the connected source device or the Qudelix app.
- **Play/Pause:** Single press the multi-function button.
- **Next Track:** Double press the multi-function button.
- **Previous Track:** Triple press the multi-function button.
- **Answer/End Call:** Single press the multi-function button during an incoming call or active call.
- **Reject Call:** Long press the multi-function button during an incoming call.

### LED Indicators:

- **Blue LED:** Indicates Bluetooth connection status. Solid blue for connected, flashing for pairing mode.
- **Red LED:** Indicates charging status. Solid red when charging, off when fully charged. May also indicate low battery.
- Specific patterns and colors may indicate different operational modes or errors; refer to the Qudelix app or full user guide for details.

## 5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Battery Care:** To prolong battery life, avoid exposing the device to extreme temperatures (hot or cold). Do not leave the device fully discharged for extended periods. For long-term storage, charge the battery to approximately 50%.
- **Firmware Updates:** Regularly check for and install firmware updates via the Qudelix app. Updates often include performance improvements, bug fixes, and new features. Follow the instructions provided within the app carefully during the update process.

## 6. Troubleshooting

- **No Sound:**

- Ensure the Qudelix-5K is powered on and properly connected (Bluetooth or USB).
- Check the volume levels on both the Qudelix-5K and your source device.
- Verify that your headphones are securely plugged into the correct audio output jack.
- Confirm that the Qudelix-5K is selected as the audio output device on your computer or smartphone.

- **Bluetooth Connection Issues:**

- Ensure the Qudelix-5K is in pairing mode (flashing blue LED).
- Delete "Qudelix-5K" from your device's Bluetooth list and attempt to re-pair.
- Move the Qudelix-5K closer to your source device to reduce interference.
- Restart both the Qudelix-5K and your source device.

- **Poor Audio Quality:**

- Check the audio codec being used (visible in the Qudelix app). For best quality, use LDAC, aptX Adaptive, or aptX HD.
- Ensure there is no significant wireless interference from other devices.
- Verify the audio source quality (e.g., high-resolution audio files).

- **Short Battery Life:**

- Battery life varies based on volume level, audio codec used, and headphone impedance.
- Ensure the device is fully charged before use.
- Over time, battery capacity may naturally decrease.

- **Device Unresponsive:** If the device becomes unresponsive, try a soft reset by pressing and holding both volume buttons simultaneously for about 10 seconds until the device restarts.

For more detailed troubleshooting steps, please refer to the official Qudelix User Guide PDF or the Qudelix app's help section.

## 7. Specifications

Feature	Detail
Product Dimensions	1.04 x 2.07 x 0.61 inches
Item Weight	0.917 ounces
Item Model Number	Qudelix-5K
Batteries	1 Lithium Polymer battery required (included)
Brand	QUDELIX
Color	Black
Compatible Devices	Phones
Material	Plastic
Output Wattage	5 Watts
Date First Available	May 6, 2020
Manufacturer	Qudelix, Inc.

## 8. Warranty and Support

For detailed warranty information regarding your Qudelix-5K, please refer to the official Qudelix website or the full user guide provided with your product. Warranty terms and conditions may vary by region and retailer.

For further assistance, technical support, or to access the latest resources, please visit the official Qudelix support page or contact their customer service directly.

You can also refer to the comprehensive Qudelix-5K User Guide (PDF) for additional information.