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Nobsound SUC-Q4-UK

Nobsound Q4 Mini USB Audio Gaming DAC Converter Adapter

USER MANUAL

Introduction

The Nobsound Q4 Mini is a versatile USB Audio Gaming DAC (Digital-to-Analog Converter) and headphone amplifier designed to enhance your audio experience across various platforms, including PC, PS5, and other digital audio sources. It features multiple input options, including USB, Optical, Coaxial, and Bluetooth, along with a U-disk input for direct playback of lossless audio files. The Q4 Mini delivers high-fidelity sound with 24-bit/192KHz support, low latency, and includes adjustable treble and bass controls for personalized sound customization. Its compact design and remote control functionality make it a convenient addition to any audio setup.

Product Overview

Familiarize yourself with the Nobsound Q4 Mini's components and interfaces.



Figure 1: Nobsound Q4 Mini USB Audio Gaming DAC Converter Adapter. This image shows the compact size and overall design of the Nobsound Q4 unit, featuring its front panel controls and a rear antenna.

Front Panel Controls and Indicators

Comparison between Nobsound Q4 and Other Similar DAC



VS

Others
Similar DAC

Brand	Nobsound	Others
Bluetooth input	✓	×
U-disk input	✓	×
Remote control	✓	×
Independent input indicator	✓	×
Amp max output power	120mW@32Ω	100mW@32Ω
Input switch	Advanced coding knob: no noise / longer life	Traditional toggle switch
Material	Fully metal case with unique mirror design	Common metal case

Figure 2: Nobsound Q4 Front Panel Controls and Inputs. This detailed view highlights the 3.5mm headphone output, input indicators (USB BT, COA OPT, PC USB), infrared receiver (IR), Bass and Treble adjustment knobs, and the multi-function Volume/Input Select/Power Switch knob.

- **3.5mm Headphone Output:** Connect your headphones here.
- **Input Indicators:** LEDs indicating the currently selected input source (USB BT, COA OPT, PC USB).
- **IR (Infrared) Receiver:** For receiving signals from the remote control.
- **Bass Knob:** Adjusts the low-frequency output.
- **Treble Knob:** Adjusts the high-frequency output.
- **Volume Knob / Input Select / Power Switch:** Rotates to adjust volume, press to cycle through input sources, press and hold to power on/off.

Rear Panel Connections

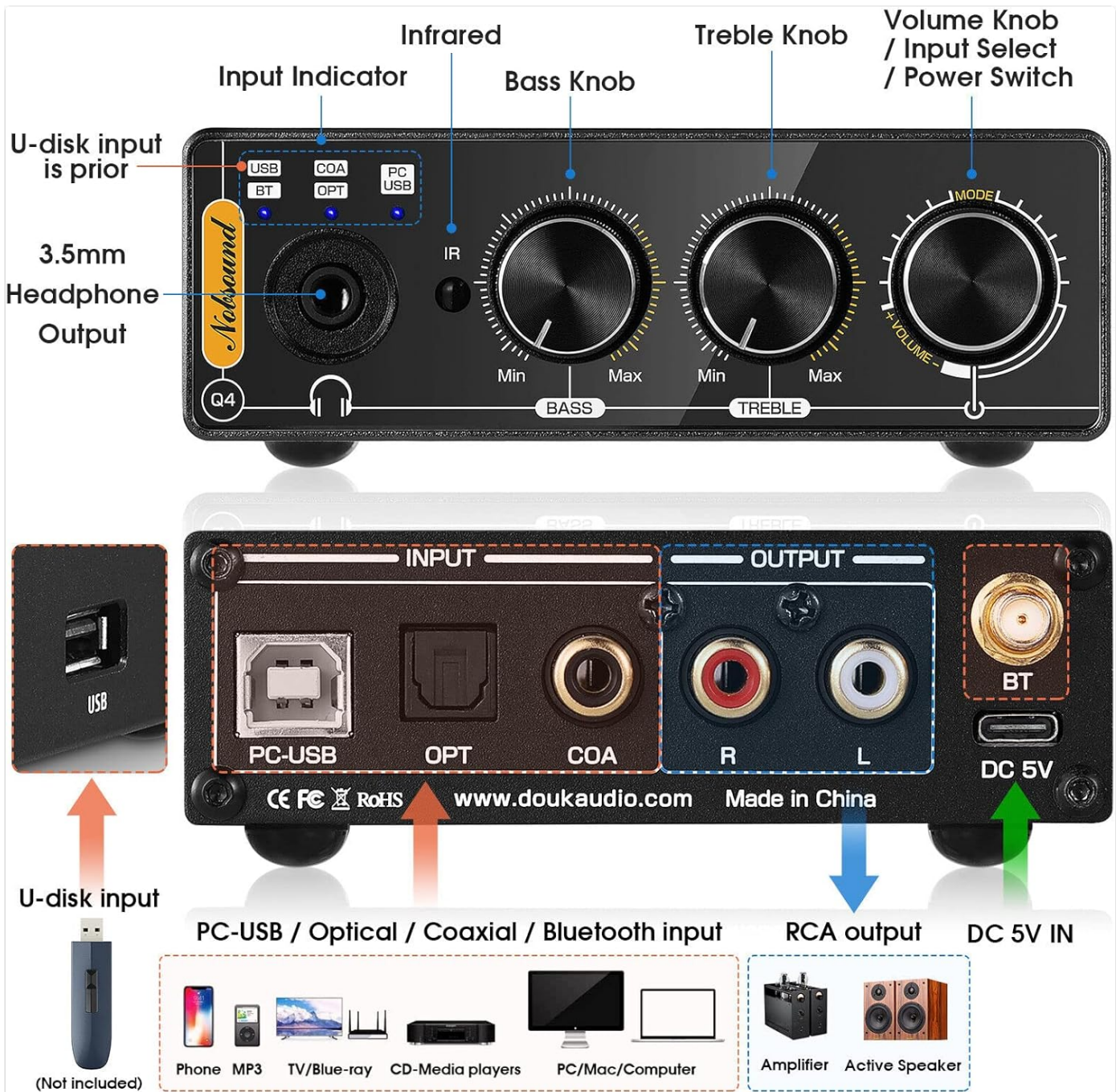


Figure 3: Nobsound Q4 Rear Panel Connections and Outputs. This image displays the PC-USB input, Optical (OPT) input, Coaxial (COA) input, RCA Left (L) and Right (R) outputs, Bluetooth antenna connector (BT), DC 5V USB-C power input, and a USB-A port for U-disk input.

- **PC-USB Input:** Connect to your computer (PC/Mac) or PS5 for audio input.
- **OPT (Optical) Input:** Connect to devices with optical digital audio output.
- **COA (Coaxial) Input:** Connect to devices with coaxial digital audio output.
- **RCA Output (R/L):** Connect to an amplifier or active speakers.
- **BT (Bluetooth) Antenna Connector:** Attach the provided Bluetooth antenna here.
- **DC 5V (USB-C) Input:** Power input for the device.
- **USB (U-disk) Input:** For direct playback of audio files from a USB flash drive.

Setup

1. **Power Connection:** Connect the provided USB power cable to the DC 5V (USB-C) input on the rear panel of the Q4 Mini. Connect the other end to a 5V USB power adapter (not included) or a USB port on your computer.
2. **Bluetooth Antenna:** Screw the provided Bluetooth antenna onto the BT connector on the rear panel.

3. Audio Output Connection:

- For headphones, plug your 3.5mm headphones into the headphone output on the front panel.
- For external speakers or an amplifier, connect RCA cables from the R/L RCA outputs on the rear panel of the Q4 Mini to the corresponding inputs on your amplifier or active speakers.

4. Audio Input Connection: Choose one of the following input methods:

- **PC-USB:** Connect a USB cable from your computer (PC/Mac) or PS5 to the PC-USB input on the rear panel.
- **Optical (OPT):** Connect an optical cable from your audio source (e.g., TV, CD player) to the OPT input.
- **Coaxial (COA):** Connect a coaxial cable from your audio source to the COA input.
- **Bluetooth:** Ensure the Bluetooth antenna is connected. The device will be discoverable for pairing once powered on and Bluetooth input is selected.
- **U-disk:** Insert a USB flash drive containing audio files into the USB (U-disk) input on the side panel. This input has priority when a U-disk is inserted.



Figure 4: The Nobsound Q4 Mini DAC connected to a computer and speaker on a desktop, illustrating a typical setup.

Operating Instructions

1. **Power On/Off:** Press and hold the Volume knob on the front panel for approximately 3 seconds to power the unit on or off.
2. **Input Selection:** Briefly press the Volume knob to cycle through the available input sources: USB BT, COA OPT, PC USB. The corresponding LED indicator on the front panel will illuminate. Note that the U-disk input automatically takes priority when a U-disk is inserted.
3. **Volume Adjustment:** Rotate the Volume knob clockwise to increase volume and counter-clockwise to decrease volume. Volume can also be adjusted using the remote control.
4. **Bass and Treble Control:** Rotate the Bass and Treble knobs to adjust the low and high frequencies to your preference.
5. **Bluetooth Pairing:**
 - Select the "USB BT" input. The Bluetooth indicator will flash, indicating it's in pairing mode.
 - On your mobile device or computer, search for Bluetooth devices and select "Nobsound Q4" to pair.
 - Once paired, the Bluetooth indicator will remain solid.
6. **U-disk Playback:**
 - Insert a USB flash drive (formatted as FAT32) containing MP3, WAV, FLAC, or APE audio files into the U-disk input.
 - The Q4 Mini will automatically switch to U-disk input and begin playback.
 - Use the remote control to navigate tracks (Next/Previous), play/pause, and adjust volume.
7. **Remote Control Usage:** The included remote control provides full functionality for power, input selection, volume adjustment, mute, and U-disk playback controls. Ensure the remote is pointed towards the IR receiver on the front panel.

The latest Q4 Bluetooth receiver & D/A converter

With Bluetooth / PC-USB / U-disk / Optical and Coaxial S/PDIF inputs can match perfectly with most home audio system; transmits stream bit-perfect 24Bit/192KHz HD low jitter signal, with output protect circuit, safe for your expensive audio system.



Figure 5: The Nobsound Q4 Mini DAC being controlled by its remote, with a smartphone nearby, demonstrating its practical functions and ease of use.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners or abrasive materials, as they may damage the finish.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent damage.

Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable not connected or faulty; power adapter issue.	Ensure the USB-C power cable is securely connected. Try a different 5V USB power adapter or USB port.
No sound output	Incorrect input selected; volume too low; output device not connected or faulty; source device issue.	Verify the correct input source is selected. Increase volume. Check connections to headphones/speakers. Ensure the source device is playing audio.
Bluetooth not connecting	Not in pairing mode; device too far; interference.	Ensure "USB BT" input is selected and indicator is flashing. Move device closer to the Q4 Mini. Reduce interference from other wireless devices.
Remote control not working	Batteries low/dead; IR path blocked; not pointed at receiver.	Replace batteries. Ensure no obstructions between remote and Q4 Mini. Point remote directly at the IR receiver on the front panel.
U-disk not playing	Incorrect file format; U-disk not formatted correctly; U-disk faulty.	Ensure audio files are supported (MP3, WAV, FLAC, APE). Format U-disk to FAT32. Try a different U-disk.

Specifications

Feature	Detail
Model Number	SUC-Q4-UK
Brand	Nobsound
Interface Type	USB, Optical, Coaxial, Bluetooth, U-disk
Supported Sampling Rate	Up to 24-Bit / 192 KHz
Headphone Impedance Range	16-300 ohms
Power Input	DC 5V (USB-C)
Material	Aluminum
Product Dimensions	3.74"L x 3.07"W (approx. 95mm L x 78mm W)
Item Weight	8.3 ounces (approx. 235g)
Channels	2

Warranty and Support

For warranty information, technical support, or service inquiries regarding your Nobsound Q4 Mini, please refer to the documentation included with your purchase or visit the official Nobsound website.

Official Website: www.doukaudio.com

Please retain your proof of purchase for any warranty claims.

