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Before using this product, Please be sure to read carefully this instruction manual and keep it safe for further reference

## Introduction

Welcome to the Fosi Audio family and congratulations on your purchase of the Fosi Audio products.

The Fosi Audio team is dedicated to bringing you the highest-quality listening experience and the Fosi Audio converters was designed with the same attention to detail and operational simplicity as all other Fosi Audio products. Our goal is to get you to your music as simply as possible without all the “gadget tinkering” many other products require. As with our past efforts, we thank our customers, distributors, and resellers for the inspiration to create another great product.

Our website: [www.fosiaudio.com](http://www.fosiaudio.com)

Amazon store: [www.amazon.com/fosiaudio](http://www.amazon.com/fosiaudio)

Our Skype: Fosi Audio

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## Package List

### DAC-Q3

- Fosi Audio DAC-Q3
- USB Cable
- User's Manual

### DAC-Q4

- Fosi Audio DAC-Q4
- USB Charging Cable
- PC-USB Cable
- Optical Cable
- User's Manual

### DAC-Q5

- Fosi Audio DAC-Q5
- DC12V 1A Power Adapter
- PC-USB Cable
- Optical Cable
- User's Manual
- 6.35mm to 3.5mm headphone adapter

### DAC-Q5 Pro

- Fosi Audio DAC-Q5 Pro
- DC12V 1A Power Adapter
- PC-USB Cable
- Optical Cable
- User's Manual

\* For similar products information, please refer to the product page

## Features

### DAC-Q3

- Ideal D/A converter converts USB signal from PC, laptop, computer, TV to optical, coaxial, L/R RCA and 3.5mm AUX output, can be connected to home audio amplifier, powered speakers, or external DAC. Works with the smartphone with OTG function;
- Adopt audiophile-level USB DAC chip PCM2704 and DV709 filter digital isolation transformer to get lossless sound quality;
- Easy to set up, no special software, app, or driver to install, a true plug-and-play digital audio adapter, compact design best for desktop use;
- Aluminum Metal Case, lightweight, durable and heat-resisted. Hi-Fi audio components with gold plated RCA sockets, enhance HD sound signals broadcast smoothly over a long distance;
- Come with the USB cable, Free lifetime technical support.

### DAC-Q4

- Easy to set up, no special software, app, or driver to install, a true plug-and-play digital audio adapter.
- With USB, optical and coaxial S/PDIF inputs can fit with most home audio system, and RCA output can be connected to amplifier or powered speakers on your desktop; Built-in Hi-Fi headphone amp chip can drive most 16ohm to 200ohm headphones.
- 160mW RMS(32 ohms, 20 Hz - 20 KHz, 0.01% THD), with bass and treble control can be used as preamp or volume controller for your PC/MAC/Computer.
- Mini Compact D/A converter, stream bit-perfect 24bit/192KHz HD with low jitter, with output protect circuit, safe for your expensive audio system.
- Come with USB charging cable, optical cable, USB type B cable and 18-month warranty; Full metallic shell to ensure high quality.

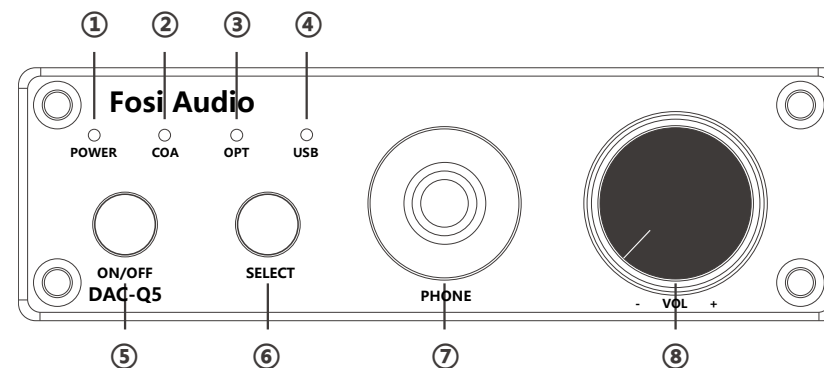
- Mac/PC plug-n-play, no special software is needed, RCA and headphones outputs.
- USB and optical coaxial S/PDIF inputs, can choose the input mode. With the volume control knob that can adjust the headphones as well as the RCA output.
- Hi-Fi headphone amp chips TPA6120 OPA2134 with UPC1237 headphones protect circuit for any 16-3200Ohm headphones.
- Stream bit-perfect 24bit/192Hz HD with low jitter, built-in Cirrus CM6642 + CS8416 + CS4398 DAC chips, desktop or portable DAC, stereo headphone amp, and preamp.
- Support the phone player with OTG audio input function, if need, the OTG pallets which have three kinds of corresponding ports(type-c/android/apple) should be purchased.

### DAC-Q5 Pro

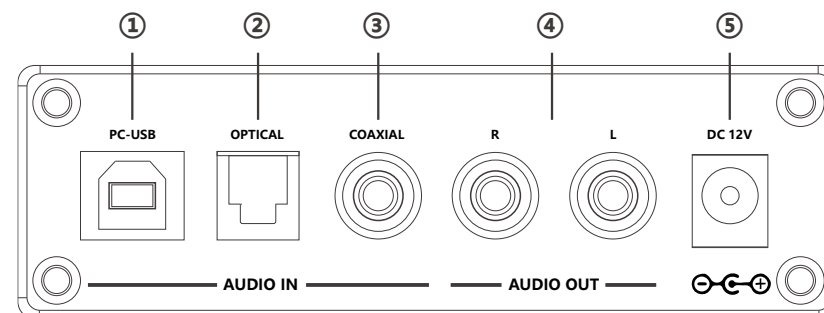
- CSR Bluetooth 5.0 QCC3008 chip support High fidelity aptX and aptX low latency, high gain antenna for long range streaming up to 115 ft(35m);
- Easy setup, Plug-n-play, no software is needed, connects in seconds, streams audio from any Bluetooth-enabled media player;
- Hi-Fi headphone amp chips TPA6120 OPA2134 with UPC1237 headphones protect circuit, newly upgraded power circuit to support 32-600 ohms headphones;
- Bluetooth, USB, Aux, Optical and Coaxial S/PDIF inputs, can choose the input mode. With the volume control knob that can adjust the headphones as well as the RCA output;
- Support the phone player with OTG audio input function, Hi-Fi DAC Bluetooth receiver and headphone amp can be connected with powered speakers or amplifier.

## Cleaning

Your DAC components are not water-resistant, so it's important that they should be kept free of moisture. You should clean only with a dry cloth or tissue and no liquid cleaners or solvents should be used.



- |   |       |                         |
|---|-------|-------------------------|
| ① | ..... | Power Indicator Light   |
| ② | ..... | Coaxial Indicator Light |
| ③ | ..... | Optical Indicator Light |
| ④ | ..... | USB Indicator Light     |
| ⑤ | ..... | Power Switch            |
| ⑥ | ..... | Input Select            |
| ⑦ | ..... | 6.35mm Headphone Output |
| ⑧ | ..... | Volume Control          |



- |   |       |                       |
|---|-------|-----------------------|
| ① | ..... | PC-USB Digital Input  |
| ② | ..... | Optical Digital Input |
| ③ | ..... | Coaxial Digital Input |
| ④ | ..... | RCA Analog Output     |
| ⑤ | ..... | DC 12V Input          |

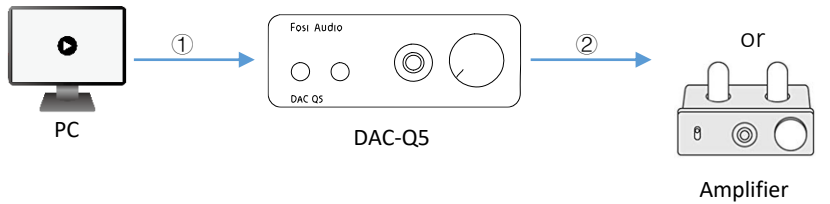
\* For similar products information, please refer to the product page.  
Any questions, please contact us at [customer@fosiudioshop.com](mailto:customer@fosiudioshop.com)

## Quick Setup

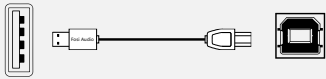
The following diagrams show the most common ways to connect Fosi Audio DAC-Q5.

\* Refer to these diagrams for similar products or contact us.

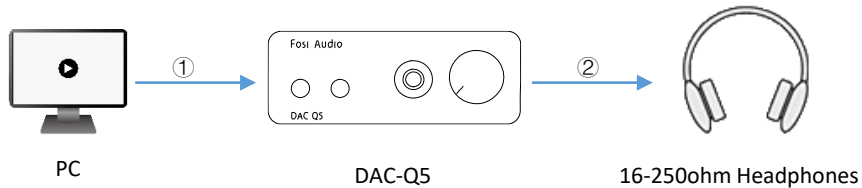
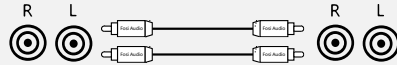
### For Mac/PC



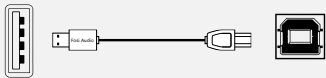
#### ① USB Input



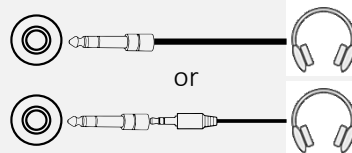
#### ② RCA Output



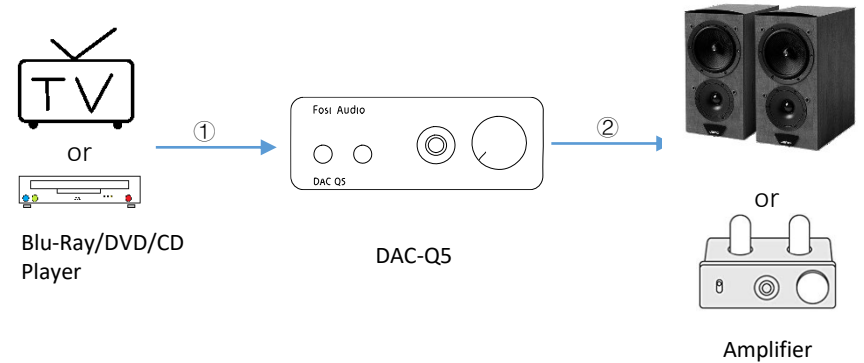
#### ① USB Input



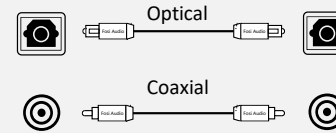
#### ② Headphone Output



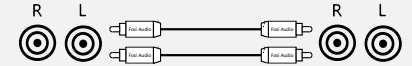
### For TV/Player



#### ① Optical/Coaxial Input



#### ② RCA Output



## How to use it?

1. Make sure the VOL turn to the minimum.
2. Plug the headphone, amplifier or active speaker to the DAC output.
3. Connection required for source input. (PC/Mac, TV, audio player, etc.)
4. Plug the power supply into the AC after plugging the power cable into DC Input.
5. Press the power switch.
6. Press the input select button to select the signal output mode. (the default input mode is PC-USB)
7. Turn the VOL button to select the desired volume.
8. If the headphone plug is 3.5mm, it can be connected to the manufacturer-configured 6.35mm to 3.5mm connector. (If using RCA analog output, please unplug the headphone sling including a 6.35mm to 3.5mm connector)

### Note:

Once the Headphones (or 6.35mm to 3.5mm adapter) plugged into the Q5, the RCA output is interrupted.

The Q5 device name is "Digital Hifi Audio"

For PC, the Q5 should be recognized automatically.

For Mac, under System Preferences/Sound, select "Digital Hifi Audio"

## Troubleshooting

### Q: All the cables are connected, but no sound output?

**A:** 1. Make sure the POWER indicator is on, if not, make sure the power cable works or not, and also make sure the power cable is attached well with the DAC.  
2. If the Power indicator is on, please check whether the corresponding input signal is selected correctly (you can select it on the front panel of the Q4, Q5, Q5 PRO...)  
3. If the indicator light is on, and you had selected the correct input way, check whether the VOL knob is in the minimum position. If so, turn clockwise to normal Volume. If you are use the USB input, you should select the DAC as the output on your PC sound setting (You can get the device name from the comparison form On page 10). If you are use the optical input, please make sure that the optical cable are attached well with your audio source and DAC, also please unplug then replug it to try again.  
4. If both of the above are normal, check the input device if it is paused, mute, or the volume is minimized.  
5. If you are using the RCA output and get no sound, please check whether Headphones (or headphones plug adapter) are plug in, if yes, please remove it then have a try. the Q4, Q5, Q5 PRO RCA output will interrupted if the headphones plug in.

### Q: Why does the sound is cracking or make a lot of electric noise ?

**A:** 1. This product is for the DAC decoder, but also can be used as preamp, If post equipment is max volume & preamp too, it's easy to distortion, you just need to turn down the volume of the equipment to have a try.  
2. Please make sure all the cables completely pushed into the devices, incompletely connection will cause this cracking.  
3. Please remove all the inputs then check whether cracking noise disappear or not, the cracking maybe from the audio source or input cables.  
4. Please check the output RCA cable or headphones adapter, make sure they are attached well with the device, and if you are connected to the amplifier, you should check whether the cracking noise from the amplifier or the powered speakers.  
5. If you are not using the original factory standard power supply, please replace the power supply before testing. Many power supply in the market have large interference coefficient, which will cause a lot of current sound.

### Q: Why the speaker has drone when I just plug in the input cable but don't connect the sound sources?

**A:** If you use unshielded signal lines, there will be interference signals entering the power amplifier. If you hate the sound, you are advised to use the shielded signal lines or unplug the signal lines.

### Q: Can the 6.35mm headphone output port connect to the microphone?

**A:** No, the headphone interface is the signal output interface, not the input interface.

### Q: Why does the volume of the machine stay the same, while the sound of different audio sources (such as CDS and mobile phones) is different?

**A:** The output range of different types of audio source devices is different, the mobile phone is usually 0.35mV, and the CD is 1V. The signal output amplitude of the sound source will directly influence the volume.

### Q: Why there is no sound when PC-USB connects to PC?

**A:** 1. First press the PC-USB operation to confirm whether the digital playback output has been selected. If still no sound, you can restart the computer and repeat the operation again, also please make sure you had select correct device name on your PC sound setting.  
2. Some computers' USB port are low quality on the front panel, please change USB port to have a try, it's better use the USB port on the back panel of the computer.

### Q: When I plug in headphones will the RCA outputs be muted?

**A:** Yes, the output will mute and audio will only play through your headphones, same as the Q4, Q5, and Q5 PRO.

### Q: Why is it that all my wires are plugged in, but the Q5 RCA analog output is silent?

**A:** At this point, you should check to see if the headphone output is plugged into the headphone or headphone adapter. If so, you should unplug the headset or headphone converter to simulate RCA output.

### Q: Why my device stopping working after short time use?

**A:** Make sure your audio source and the headphones, amplifier or powered speakers you connected are works well. and please check all the connection of the input and output cables, please change the audio source, output devices, cables to try again. Also please check the power supply works or not.

## Comparison

Model	DAC-Q3	DAC-Q4	DAC-Q5	DAC-Q5 Pro
Frequency Response	20Hz-20KHz( $\pm 3$ dB)	20Hz-20KHz( $\pm 3$ dB)	20Hz-20KHz( $\pm 3$ dB)	10Hz-20KHz( $\pm 0.5$ dB)
THD	0.006%	$\leq 0.01\%$	$\leq 0.02\%$	$\leq 0.001\%$
SNR	$\geq 99$ dB	$\geq 105$ dB	$\geq 105$ dB	$\geq 110$ dB
USB Device Name	USB AUDIO DAC	Digital Hifi Audio	Digital Hifi Audio	Digital Hifi Audio
Bluetooth Input	-	-	-	Bluetooth5.0 aptX/aptX LL
PC-USB Support Input Sampling Rate	48K/16Bit	96K/24Bit	192K/24Bit	192K/24Bit
Optical/Coaxial Input Sampling Rate	-	192K/24Bit	192K/24Bit	192K/24Bit
Amp Output Maximum Power	-	100mW32Ohm	305mW32Ohm	1Watt32Ohm
Headphone Matching Impedance	16-64Ohm	16-200Ohm	16-250Ohm	16-600Ohm
PC-USB System Support	Windows all /MAC/Linux	Windows all /MAC/Linux	Windows all /MAC/Linux	Windows all /MAC/Linux
Input Interface	USB	USB, OPT, COA	USB, OPT, COA	Bluetooth, Aux, USB, OPT, COA
Output Interface	OPT, COA, RCA, 3.5mm Headphone Jack	RCA, 3.5mm Headphone Jack	RCA, 6.35mm/ 6.35 to 3.5mm Headphone Jack	RCA, 3.5mm Headphone Jack
Work Voltage	No need	DC 5V	DC 12V	DC 12V
Size	100*66*27 mm	73.5*98*33 mm	148.5*98*33mm	235*210*65 mm

## About Fosi Audio

Fosi Audio designs and builds innovative audio products with all your music in mind. Great sound, simple but elegant designs, high-quality materials, and truly useful features are what Fosi Audio is about. We sincerely hope you get as much enjoyment from our products as we've had creating them!

customer@fosiaudioshop.com

[www.fosiaudio.com](http://www.fosiaudio.com)

## Join Us

Fosi Audio offers a complete product portfolio, suitable for opening retail stores in major cities all over the world. Once you become a certified retailer, you will be integrated into the exclusive selection of distributors of Fosi Audio products, and you will receive comprehensive technical support and Training. For more information, please contact us at fosiaudio@hotmail.com

Our website: [www.fosiaudio.com](http://www.fosiaudio.com)

Amazon store: [www.amazon.com/fosiaudio](http://www.amazon.com/fosiaudio)

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