

Digital to Analog Audio Converter

Bass&Volume Control&USB Sound Card

User Manual

 **Special Notice:**

1. This DAC supports digital PCM audio format, PLS kindly set your digital audio device such as HD TV, TV BOX, or game console into PCM or LPCM audio before using, NOT support DTS Dolby AC3.
2. PCM Setting Path: Device homepage -- system setting -- image and sound -- voice setting -- digital audio output -- PCM
3. If you are connecting to Samsung or LG TV, please follow the steps below to set it up:
 - A.Samsung TV settings path:
 - 1)PCM format: Settings -- Sound -- Expert Settings -- Audio Format-- PCM
 - 2)External speakers: Settings -- Sound -- Select Speaker -- Optical
 - B.LG TV setting path:
 - 1)PCM setting path: Menu -- All Settings -- Sound Out -- Optical -- Digital Sound Out -- PCM
 - 2)If you need to synchronize the output of the TV speakers and fiber: Menu -- All Settings -- Sound Out -- Optical -- Internal TV Speaker + Optical
4. Power charging: USB Power Cable -- separate 5V 1A Standard Plug -- wall socket.
5. Do Not Power Converter by plugging in USB cable into your TV directly (unstable power supply which cause buzzing noise).
- 6.If the volume (from DAC output) is not loud enough,

please connect the output of DAC with low-impedance cellphone headset, headphone amplifier, or power amplifier.

7. Not compatible with Netflix and YouTube video websites.
8. Before power on, you must turn the adjustment knob counterclockwise to minimize the volume to avoid damage to your hearing!
9. **Not support USB flash disk!**

Introduction:

This product is specially designed for professional audio signal processing, You can easily convert the digital audio signal of input of coaxial or optical interface to analog stereo audio signal of RCA interface and 3.5 mm headphone jack.

The built-in professional audio amplifier chip and volume adjustment knob can directly drive the headphones and adjust volume.

The product's bass adjustment function can provide powerful stereo, heavy bass effects, and create a perfect environment different from the sound field. The effect obtained is very obvious, which makes you revealed to the world of bass.

Features:

- One optical fiber and one coaxial input interface. Connect to DVD, HD player and other devices
- One USB input, connect to computers.
- One RCA output interface, connected to the power amplifier system
- One channel 3.5mm audio output interface, Connected to headphones.
- Eliminate the noise when there is no input signal, and automatically mute when the non-audio signal is input.
- Support 192kHz 24bit sampling rate.
- Support volume adjustment
- Support bass adjustment
- Metal shell, anti-interference

Specification:

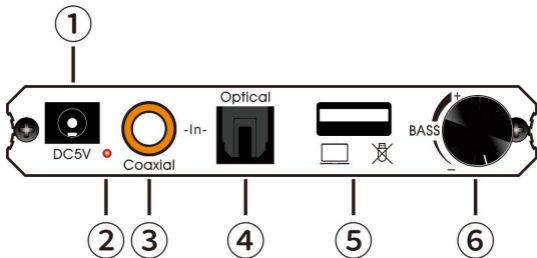
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|--|----------------------------|
| Support Audio Format..... | PCM |
| Separating Degree(1KHZ)..... | 94DB |
| Response Frequency..... | 20Hz~20KHz -0.2db |
| Signal-to-Noise Ratio(SNR)..... | -100DB |
| Total Harmonic Distortion(THD+N)..... | 10Hz~20KHz 0.25 -0.065% |
| Blocking Time..... | 0.577Fs |
| Sampling Rate..... | 32~192 KHz |
| Bit Rate..... | 16~24 Bit |
| Earphone output level(Adjust the bass to maximum): | 3V |

| | |
|--|----------------------------------|
| RCA output level(Adjust the bass to maximum)..... | 9V |
| Earphone Output Power(Adjust the bass to maximum)..... | (32Ω)30mW |
| Earphone Output Impedance..... | 0.8Ω |
| RCA Output Impedance..... | 450Ω |
| Working Voltage..... | +5V |
| Maximum Voltage..... | +6V |
| Maximum Power Consumption..... | 75mA |
| Operating Temperature Range..... | -10-70℃ |
| Storage Temperature Range..... | -60-150℃ |
| Operating Humidity Range..... | 10% - 80%RH(No C ondensation) |
| Storage Humidity Range...5- | 90%RH(No Condensation) |
| Size..... | 101x95 x20 mm |
| weight..... | 115g |

Package Contents:

- 1PCS.....DAC Converter
- 1PCS.....User Manual
- 1PCS.....USB Power Cable (Optional accessories)
- 1PCS.....5V Power Adapter (Optional accessories)
- 1PCS.....USB DATA Cable

Diagram of Interfaces:



① Power Interface.

② Power Indicator Light.

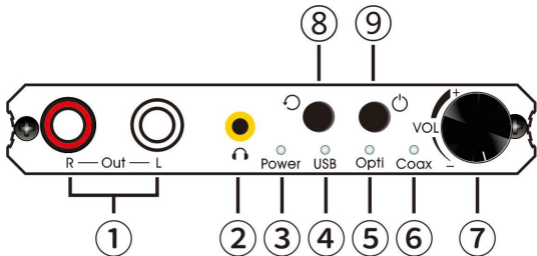
③ Digital Audio Input Interface.(Connect to CD/DVD and other devices.)

④ Digital Audio Input Interface.(Connect to CD/DVD/HD Player Box/Smart TV and other devices)

⑤ USB sound card input interface, connected to the computer

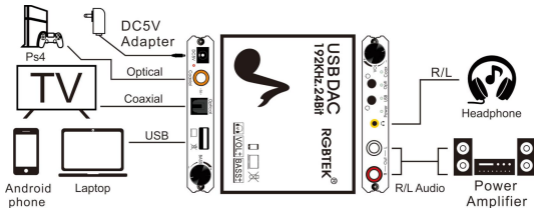
Note:Not support USB flash disk

⑥ Use this knob to adjust the output bass component



- ① Analog Audio Output Interface, Connect to the audio amplifier
- ② 3.5mm audio output interface, connect to earphone
- ③ Power Indicator
- ④ Lights up when the computer is correctly connected to the USB port
- ⑤ Lights up when the correct digital optical audio signal is input
- ⑥ Lights up when the correct digital coaxial audio signal is input
- ⑦ Adjust the output volume by this knob.
- ⑧ Input signal switch button
- ⑨ Power on/off button

Connection and Operation:



1. Connect CD/DVD and other playback devices to the optical or coaxial interface with optical cable or coaxial cable. Connect Laptop to USB interface with USB Cable.

NOTE: Don't connect USB flash disk to this USB Port.

2. Use the RCA cable or 3.5mm audio cable to connect the decoder to the audio amplifier or headphones.
3. Use the USB cable to connect the DC 5V power connector of the decoder to the power supply.
4. Use the knob to adjust the volume appropriately.
5. According to your preferences, adjust the bass component appropriately through the knob.

Note:

Please use the machine as the instruction listed to keep the long lifetime of it.

1. Please do not expose this unit to the damp, high-temperature, dusty, erosive, or oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Please do not touch the power adapter plug with wet hands. 4. Please hold the plug when unplugging. Do not pull the power cable directly.
4. Please turn the unit off when it is not in use. (Please pull out the power plug when it is not in use for a long period of time.)
5. Please do not open the cover and do not touch the inside parts.
6. Please use the original factory power cable.