User Manual

CVDAC

Digital Audio Converter/1x3 Splitter

Version: CVDAC_2019V1.2

Statement

Thanks for choosing this product, please read this user manual carefully before using this product. The functions described in this version are updated till March, 2019. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

Safety Precaution

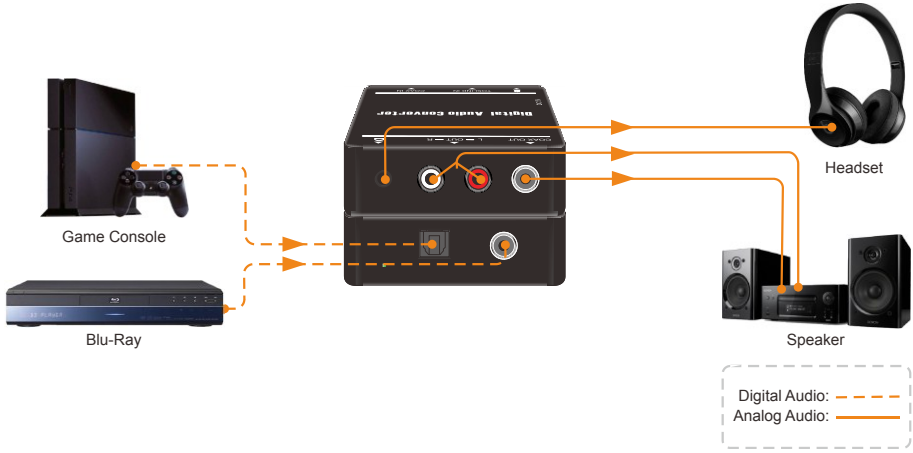
- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

After-sales Service

We provide limited warranty for the product within three years.

System Connection

The following diagram illustrates the typical input and output connection of the converter:



Product Introduction

Thanks for choosing the CVDAC Digital Audio Converter, which is designed to convert coaxial or Toslink digital audio input to analog L/R and 3.5mm audio output. Simultaneously, the converter provides COAX SPDIF output for digital audio extension.

Features

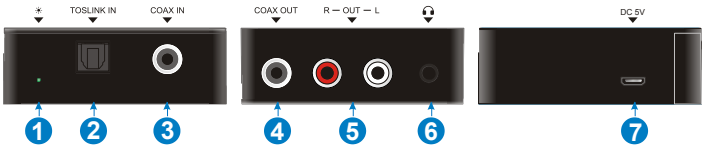
- Supports audio distribution splitting one audio source into three audio outputs.
- Converts coaxial or Toslink digital audio input to analog L/R and 3.5mm audio output.
- COAX SPDIF output for digital audio extension.
- Supports up to 24-bit/192 KHz input (PCM, Dolby Digital or DTS formats for digital audio extension only).
- Provides Micro-USB port for power cable connection.
- Easy to install and simple to operate.
- Compatible with coaxial or Toslink interface digital audio devices: CD/DVD, PS3, X-Box360, Blue-ray player, Computer, A/V receiver, etc.
- Ideal for interfacing between modern digital audio/video devices with analog amplifiers or self-powered speakers.

Packing List

- 1x CVDAC Digital Audio Converter
- 1x User Manual
- 1x Power Cord (USB-A to Micro-USB)

Note: *Please contact your distributor immediately if any damage or defect in the components is found.*

Panel Description



① **Power LED:** The LED illuminates blue when power is applied.
② **TOSLINK IN:** Toslink audio input.
③ **COAX IN:** Coaxial audio input.
④ **COAX OUT:** Coaxial audio output.
⑤ **L-OUT-R:** RCA audio output.
⑥ **3.**5mm stereo audio output.
⑦ **DC 5V:** Micro-USB port for power cable connection.

Note: *When both the* ***TOSLINK*** *and* ***COAX*** *are connected to audio source devices, the coaxial audio source device will be selected as input source.*

Technical Specification

Audio Input	
Audio Input	(1) TOSLINK IN, (1) COAX IN
Audio Format	LPCM 2CH, Dolby Digital 2/5.1 CH, DTS 2/5.1CH (Only PCM supports format conversion)
Sample Rate	32, 44.1, 48, 96, 192KHz, up to 24bit
Analog Audio Output	
Audio Output	(1) 3.5mm stereo audio, (1) L-OUT-R (RCA)
Audio Format	PCM
Frequency Response	20Hz – 20KHz, ±3dB
Max Output Level	2.0Vrms ± 0.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal
THD+N	< 0.05% (-80dB), 20Hz – 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)
SNR	> 80dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation	< -80dB, 10KHz sine at 0dBFS level (or max level before clipping)
L-R Level Deviation	< 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping)
Output Load Capability	1KΩ and higher (Supports 10x paralleled 10KΩ loads)
Background Noise	-80dB
Digital Audio Output	
Audio Output	(1) COAX OUT
Audio Format	LPCM 2CH, Dolby Digital 2/5.1 CH, DTS 2/5.1CH (Only PCM supports format conversion)
Output Level	±0.05dBFS
Frequency Response	20Hz – 20KHz, ±3dB
THD+N	< 0.05% (-80dB), 20Hz – 20KHz bandwidth, 1KHz sine at 0dBFS level (or max level)
SNR	> 90dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation	< -80dB, 10KHz sine at 0dBFS level (or max level before clipping)
L-R Level Deviation	< 0.3dB, 1KHz sine at 0dBFS level (or max level before clipping)
Noise Level	-90dB
General	
Operation Temperature	-5~ +55℃
Storage Temperature	-25 ~ +70℃
Relative Humidity	10%-90%
Power Supply	Input:100V~240V AC; Output: 5V DC 1A
Power Consumption	1.3W (Max)
Dimension (W*H*D)	66.0mm x 22.5mm x 66.0mm
Net Weight	50g