

# Analog/Digital Bi-directional Audio Converter

**ITEM NO.: AC01 Analog/Digital Bi-directional Audio Converter**



The Bi-directional Digital/Analog Audio Converter allows users to convert digital optical/coaxial and analog audio signals. The device can convert between analog and digital formats and vice versa and can output simultaneously to all outputs (depending on the audio format) allowing it to act as an audio distributor.

**Feature:**

- Support digital audio and analog audio bi-directional conversion.
- Support digital coax and optical audio bi-directional conversion.
- Select the conversion mode by slide switch.
- Analog to digital audio support up to 48 KHz.
- Digital to audio support to 96 KHz.
- LED indicates the audio lock and the current mode.
- Built in automatic digital audio input selection.

**Installation View:**

**Switch Function:**

**Slide Switch: A - D / D - D Function selection**

**Bi-directional Mode:**

Slide switch select A -D

a. Analog input convert to Digital output:

- Analog input connect to input RCA L / R
- Digital could be output Coaxial and TOSLINK simultaneously.



b. Digital input convert to Analog output:

- Coaxial and TOSLINK connect simultaneously; TOSLINK will be priority to output.

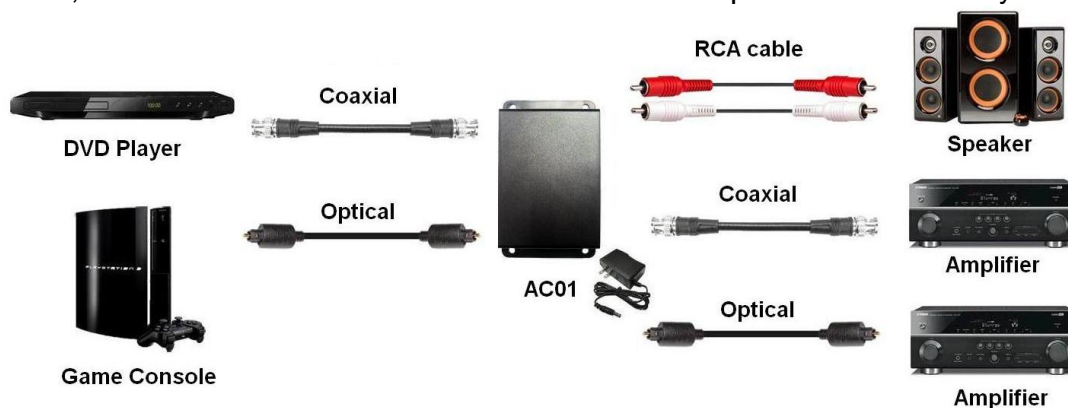


c. Above A & B could be operating at same time.

## Digital coax to optical / optical to coax mode :

Slide switch select D- D

- Coaxial and TOSLINK connect simultaneously; TOSLINK will be priority to output.
- L / R, Coaxial and TOSLINK three audio could be output at simultaneously.



## Input/output Connector:

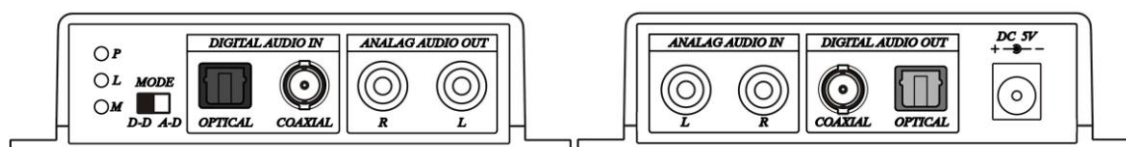
DC 5V  
Analog Audio In  
Digital Audio Out  
Digital Audio In  
Analog Audio Out

DC 5V power connector  
Analog left/right RCA input connector  
Digital optical/coax output connector  
Digital optical/coax input connector  
Analog left/right RCA output connector

## LED Indication:

Green	Power ON/OFF
Blue	ON input digital audio lock OFF no digital audio input
Red	ON digital to analog/ analog to digital bi-direction mode OFF digital coax/optical bi-direction mode

## Panel View:



## Specification:

ITEM NO.	AC01
Audio support sampling rate	Analog to Digital audio up to 48KHz Digital to Analog support 32K~96KHz
LED	LED x 3 (green, blue, red)
Audio output connector	RCA x 3 · TOSLINK x 1
Audio input connector	RCA x 3 · TOSLINK x 1
Switch	Slide switch x 1
Power Supply	DC5V 1Amp
Power Consumption	80mA (Typical) / 110mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
DIMENSIONS mm	108 x 76 x 27
Weight g	90



Rev. A