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.
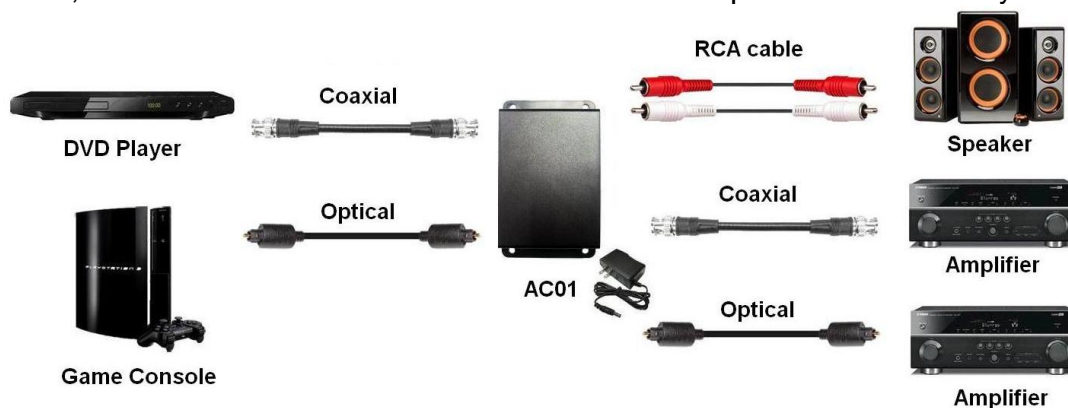

  c. Above A & B could be operating at same time.

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.
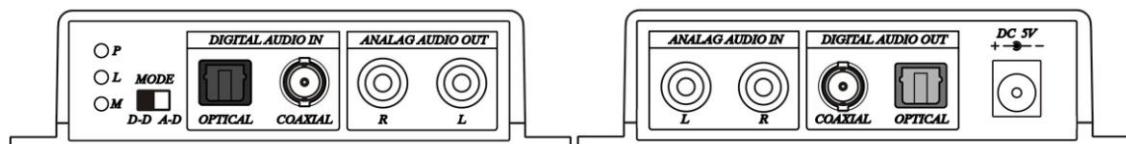

Input/output Connector:

DC 5V	DC 5V power connector
Analog Audio In	Analog left/right RCA input connector
Digital Audio Out	Digital optical/coax output connector
Digital Audio In	Digital optical/coax input connector
Analog Audio Out	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℃, Storage: -20 TO 85℃, Humidity: up to 95%
DIMENSIONS mm	108 x 76 x 27
Weight g	90

RoHS CE FC C

Rev. A