



Audio Converter Series

User Manual

Model : AC01

Analog/Digital Bi-directional Audio Converter



Introduction

AC01 is a bi-directional audio converter that can convert analog to digital audio signal or the other way around. Able to use optical or coaxial audio interface for audio input/output. and can also split an audio signal into 2 via these two audio interfaces at the same time...

Features

- Supports digital and analog audio bi-directional conversion.
- Built-in RCA, optical, and coaxial audio interfaces..

Installation View

Switch Function:

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

Bi-directional Mode

Slide switch select A - D

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



- Digital input convert to Analog output:
Coaxial and TOSLINK connect simultaneously; TOSLINK will be priority to output

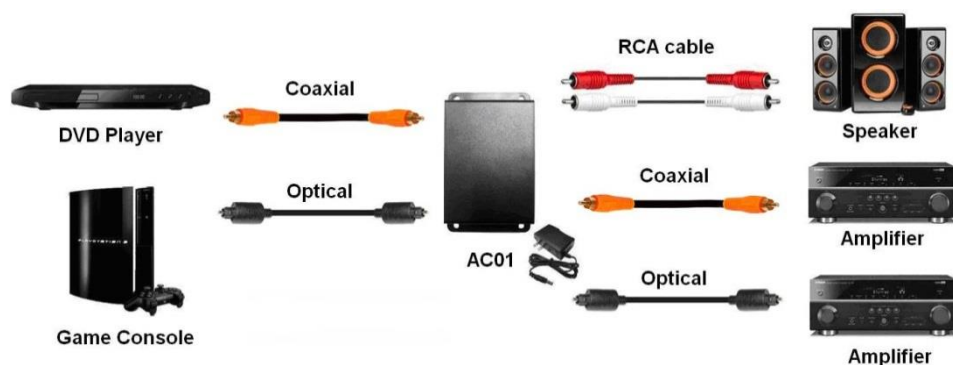


- Above A & B could be operating at same time.

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

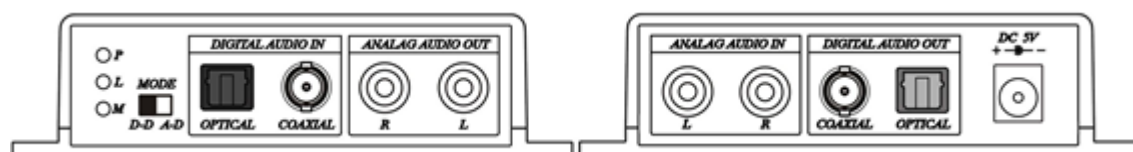
DC 5V
Analog Audio In
Digital Audio Out
Digital Audio In
Analog Audio Out

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
Support	
Audio Sampling Rate	Analog to Digital Audio up to 48KHz Digital to Analog 32K to 96KHz
Ports & Interfaces	
Audio Input	3 x RCA, 1 x TOSLINK
Audio Output	3 x RCA, 1 x TOSLINK
Setting Switch	1 x Slide Switch
Power	
Power Supply	5V 1A
Power Consumption	80mA (Typical), 110mA (Max)
Ambient Temperature	
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	up to 95%
Physical Characteristics	
Dimensions	108 x 76 x 27mm
Weight	90g