SC₂T

Audio Converter Series

User Manual

Model: AC01

Analog/Digital Bi-directional Audo Converter



Introduction

AC01 is a bi-directional audio converter that can converts 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

- 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

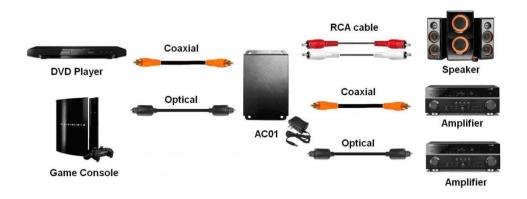


c. Above A & B could be operating at same time.

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.
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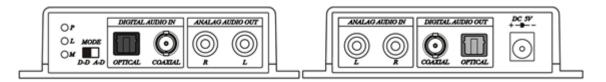
Input/output Connector

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 OFF	input digital audio lock no digital audio input
Red	ON OFF	digital to analog/ analog to digital bi-direction mode 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℃
Storage	-20 to 85℃
Humidity	up to 95%
Physical Characteristics	
Dimensions	108 x 76 x 27mm
Weight	90g

