

DCT-3A

Digital to Analog Audio Converter

Operation Manual



DCT-3A

• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

Version No	Date	Summary of Change
VR0	20110722	Preliminary Release

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1. Introduction

The Coaxial/Optical to R/L audio converter is an easy to use product that converts Coaxial or Optical audio signals into R/L audio. Accepting digital audio signals from either Coaxial or Optical sources, this gadget features a well-designed switch that determines which digital input signal is active and thus converted into an analog audio signal (L/R). With its compact, elegant and LED design that makes easier for users to link up and make an useful of the device instantly.

2. Applications

- Digital Coaxial input to analog audio output
- Digital Optical input to analog audio output

3. Package Contents

- Digital to Analog Audio Converter
- 5V / 1A DC Power adaptor
- Operation Manual

4. System Requirements

Input source equipment such as DVD/Blu-ray player or audio amplifier and output active speaker or headphone with connection cables.

5. Features

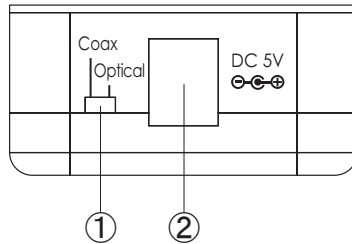
- Supports digital audio input (Coaxial/Optical) and analog audio output (R/L).
- Integrated digital interpolator filter and Digital to Analog Converter (DAC).
- Supports non-compression digital stereo audio input.
- Compact size and easy to install.
- Supports SPDIF 192K/24 bits of data for the left and right channel.

6. Specifications

Input Ports	Coaxial and Optical
Input Format	SPDIF LPCM 2 CH, 24 bit
Sample Frequency	32kHz, 44.1 KHz, 48 KHz, 88.2KHz, 96 KHz, 176.4KHz up to 192KHz
Output Ports	R/L stereo
Output Level	2Vrms
Output Impedance	600Ω
Power Supply	5V/1A DC linear power adaptor (US/EU standards, CE/FCC/UL certified) Or 5V/1.2 switching power adaptor (with universal plug. CE/FCC/UL certified)
Dimensions (mm)	42(W) x 40.5(D) x 22(H)
Weight(g)	25
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0°C ~ 40°C
Power Consumption	0.74W

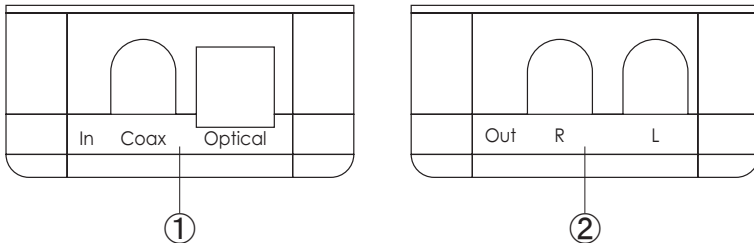
7. Operation Controls and Functions

7.1 Front Panel



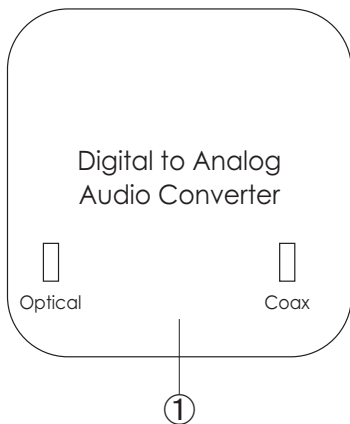
- ① Coaxial/Optical switcher: Moving the switch determines which input Audio source is active and will be converted to R/L audio.
- ② Power: Plug 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

7.2 Rear Panel



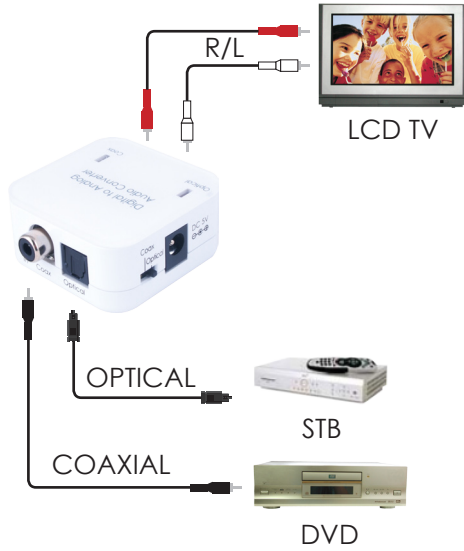
- ① Coaxial/Optical input: Connect the Coaxial/Optical inputs into the Coaxial/Optical audio source, such as a DVD player or Set Top Box.
- ② R/L output: Connect the R/L audio output to the input of your audio device or display.

7.3 Top Panel



- ① Coaxial/Optical input LED: The LED light will illuminate according to the fall of input selection switch. The right side LED represent Optical input and the left side LED represent Coaxial input.

8. Connection and Installation



Acronyms



Acronym

Complete Term