

DCT-3HP Digital to Headphone Audio Converter

Operation Manual



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• **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**

| <u>Version No</u> | <u>Date</u> | <u>Summary of Change</u> |
|-------------------|-----------------|----------------------------|
| VR0 | 20110917 | Preliminary Release |

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1. Introduction

The Digital to Headphone Audio converter is an easy to use product that converts Coaxial or Optical audio signals into Headphone amp. 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 Headphone amp-(200mw, cap-less).

2. Applications

- Digital Coaxial input to headphone output
- Digital Optical input to headphone output

3. Package Contents

- Digital to Headphone Audio Converter
- 3.3V / 1.5A DC Power Adaptor
- Operation Manual

4 System Requirements

Input source equipment such as DVD/Blu-ray player and output to headphone.

5. Features

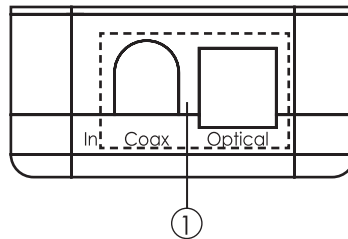
- Supports up to 192K / 24bits digital audio input (Coaxial/Optical).
- Supports 2 channel PCM from Coaxial/Optical input.
- Built-in 200mW Cap-Less Headphone amp.
- Compact size and easy to install.

6. Specifications

| | |
|-----------------------|---|
| Input Ports | Coaxial and Optical |
| Input Format | SPDIF PCM 2 CH |
| Sample Frequency | 32KHz~192K/24 bit |
| Output Ports | 3.5Φ Headphone jack |
| Output power | 200mW |
| Headphone Impedance | 16Ω ~ 32Ω |
| Power Supply | 3.3V/1.5A power adaptor (US/EU standards, 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 | 0.7W |

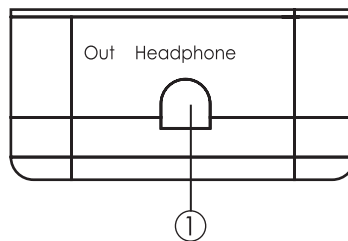
7. Operation Controls and Functions

7.1 Upper Panel



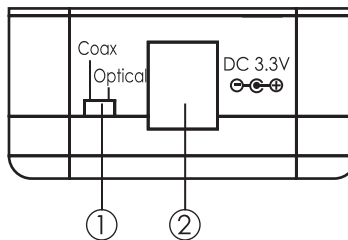
- ①. Coax/Optical input: Connect the Coax/Optical inputs into the Coaxial/Optical audio source such as DVD/Blu-ray player or Set Top Box.

7.2 Lower Panel



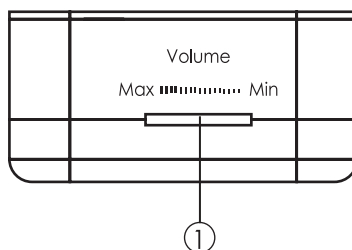
- ①. Headphone Output: Connect the 3.5Ø phone jack headphone into the slot and enjoy the digital audio from either Coax/Optical input.

7.3 Left Panel



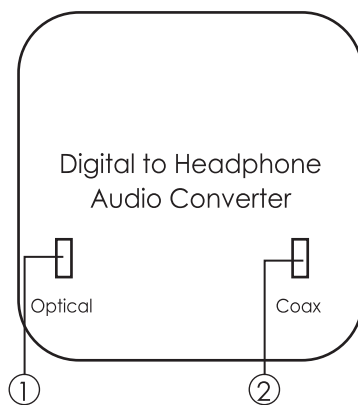
- ①. Coax/Optical switcher: Moving the switch determines which input Audio source is active and will be converted to Headphone.
- ②. Power: Plug 3.3V DC power supply into the unit and connect the adaptor to AC wall outlet.

7.4 Right Panel



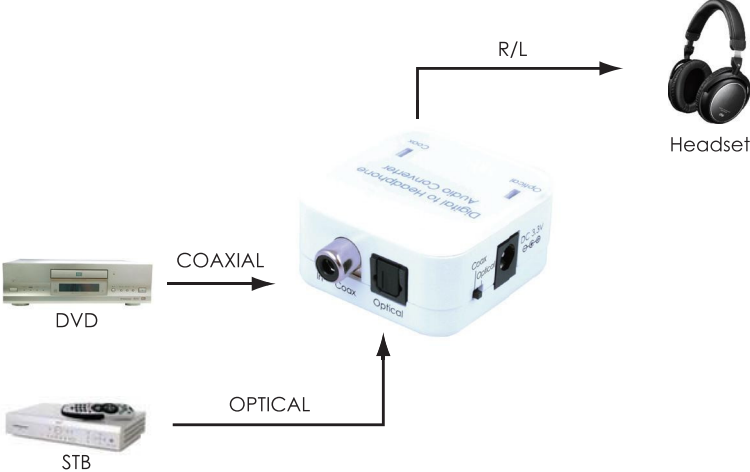
- ①. Headphone Volume: Adjust the output headphone volume by turning to right or left from small to maximum sound.

7.5 Top Panel



- ①. Optical/Coax 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 |
|----------------|-------------------------|
| ESD | Electrostatic Discharge |
| LED | Light-emitting Diode |



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