DCT-4T

Analog to Digital Audio Converter with Audio Delay

Operation Manual

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, 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 any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person to walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
VR0	17/01/08	Preliminary Release
VS1	04/02/14	Updated format/diagrams

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1. INTRODUCTION

The Analog to Digital Audio Converter is designed to simultaneously convert analog audio signals to Coaxial S/PDIF and Toslink Optical with the added benefit of a switchable audio delay of 150 milliseconds. The digital audio output signal is 2-channel uncompressed LPCM (Linear Pulse Code Modulation) with a sampling rate of 48 kHz. The unit supports Optical Fiber and Coaxial cable runs of up to 5 meters from the device while still providing a reliable and lossless audio signal. Compact and easy to install, making it incredibly versatile for the home or office use. The unit is the logical choice for Analog to Digital audio conversion.

2. APPLICATIONS

- Convert an analog audio signal to digital audio
- Integrate an analog audio source into a digital only audio system
- Extend the operating distance of an audio source

3. PACKAGE CONTENTS

- Analog to Digital Audio Converter
- 5V DC Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

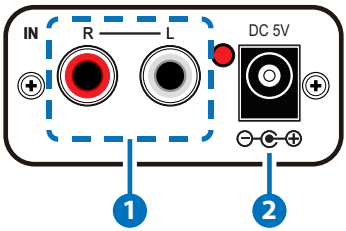
Analog audio source such as a CD player or MP3 Player with RCA cables and a digital audio device such as a sound bar or AV receiver.

5. FEATURES

- Switchable audio delay function provides a 150 millisecond delay when outputting audio
- Supports uncompressed 2-channel LPCM (Linear Pulse Code Modulation) digital audio output
- Supports an output sampling rate of 48 kHz
- Provides electromagnetic noise-free transmission
- Easy installation and operation

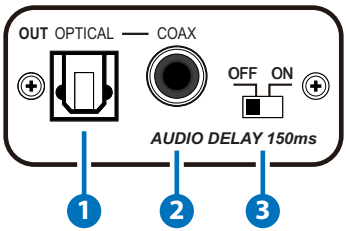
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



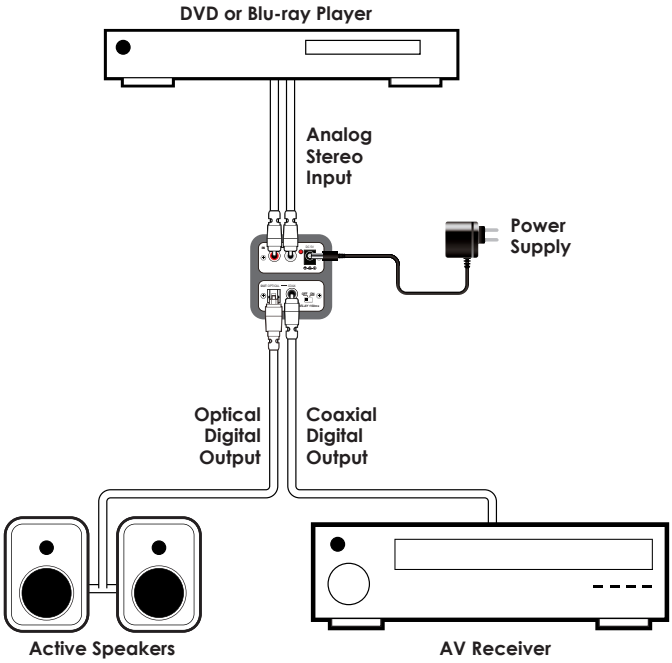
1. **L/R IN:** Connect the L/R audio jacks to the audio output ports of an analog audio source such as an CD Player, LCD TV, or DVD/Blu Ray player.
2. **DC 5V and POWER LED:** Connect the 5V DC power supply to the unit and plug the adaptor into an AC outlet.

6.2 Rear Panel



1. **OPTICAL OUT:** Connect the output to the TOSLink (Optical Fiber) input port of an audio device such as an active speaker system or AV receiver, using a suitable Optical cable.
2. **COAX OUT:** Connect the output ports to the Coaxial input of audio equipment such as an active speaker system or AV receiver, using a suitable coaxial cable.
3. **AUDIO DELAY SWITCH:** Use this switch to turn the audio delay function ON/OFF. When active, the audio will be delayed for 150 milliseconds.

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

Input Port	1×Analog Stereo (L/R)
Output Ports	1×Coaxial, 1×Optical (TOSLINK connector)
Power Supply	5 V/0.36~0.5 A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions	67 mm (W)×50 mm (D)×23 mm (H)
Weight	30 g
Chassis Material	Plastic
Color	Silver
Operating Temperature	0 °C ~ 40 °C

9. ACRONYMS

ACRONYM	COMPLETE TERM
LPCM	Linear Pulse Code Modulation
S/PDIF	Sony/Philips Digital Interface Format

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