DCT-1

Optical to L/R Audio Converter

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 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
RDV1	11/12/12	Preliminary Release
RDV2	26/12/12	Dimension

CONTENTS

1. INTRODUCTION

The Optical to L/R Audio Converter is a compact and convenient device for digital to analog audio conversion (DAC) selection. With audio sampling rate supports up to 192kHz and I/O data rate supports up to 24-bit, it provides a high standard of quality sound presentation. This device is perfect use for digital recording systems, computer audio systems, digital mixing consoles and etc… The Optical to L/R Audio Converter is an ideal choice for digital optical audio conversion into stereo L/R audio.

2. APPLICATIONS

- Converting digital optical audio into stereo L/R
- DVD audio insertion to self made video
- Digital audio display on personal active speakers

3. PACKAGE CONTENTS

- 1 x Optical to L/R Audio Converter
- Operation Manual

4. SYSTEM REQUIREMENTS

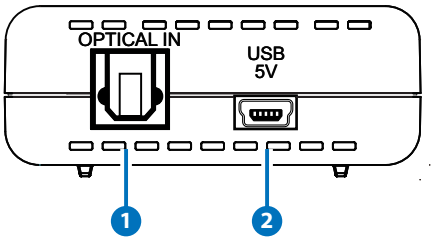
Input audio source equipment such as DVD/Blu-ray player with optical output and L/R input device such as active speaker, PC/NB, amplifier and etc… with L/R cable.

5. FEATURES

- Supports digital audio signal input and convert it into analog audio signal L/R output
- Supports non-compression digital LPCM stereo audio inputs
- Supports audio sampling frequencies: 32~ 192kHz
- Incoming bitstream 24bits of data for the left and right channels
- Compact size with elegant design and easy to install

6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



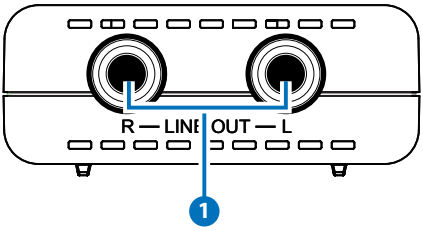
1 OPTICAL IN:

Connect optical audio source such as DVD/Blu-ray player to optical input port.

2 USB 5V:

Connect the USB power port to a PC/NB with a Mini-USB cable or Mini-USB to AV adaptor.

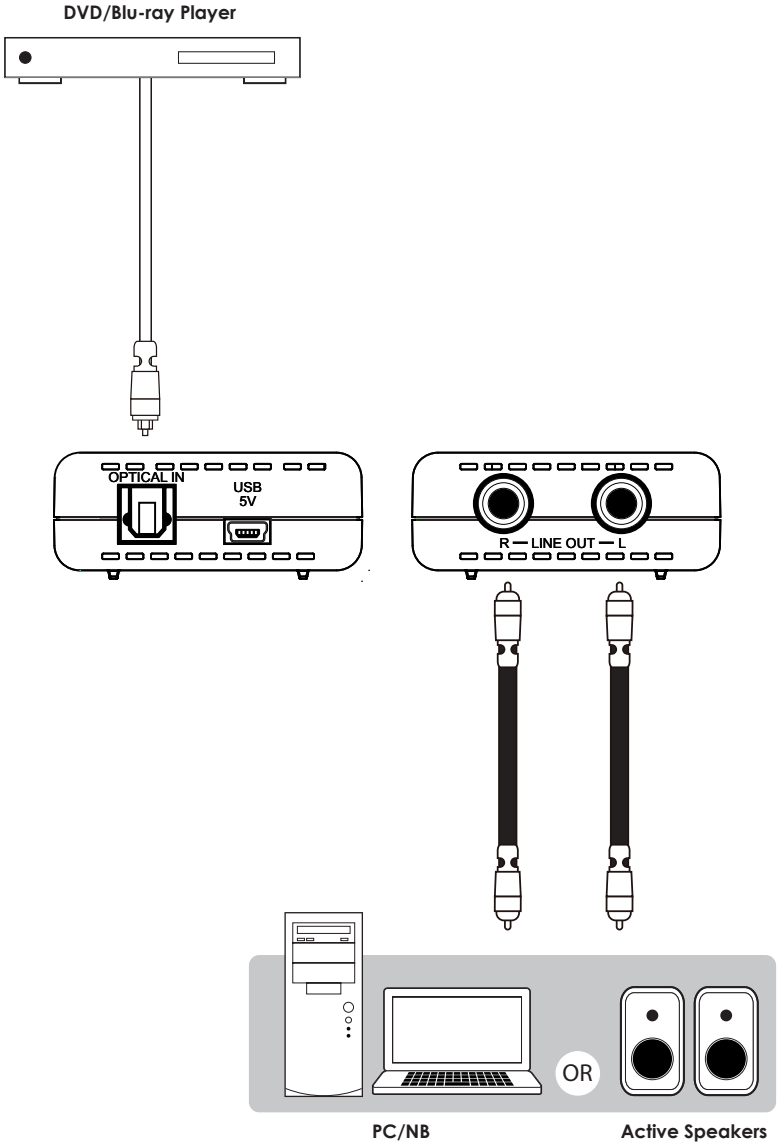
6.2 Rear Panel



1 R/L LINE OUT:

Connect L/R output to active speakers or amplifier for stereo audio output.

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

Input port	1x Optical
Output port	1 x L/R
Power Supply	Powered by USB bus
Dimensions (mm)	55(W) x 80.5(D) x 22.5(H)
Weight(g)	65
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0˚C ~ 40˚C / 32 ˚F ~ 104 ˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F
Relative Humidity	20 ~ 90% RH (non-condensing)

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