

DCT-17

4 by 1 Optical Audio Switcher with IR Remote

Operation Manual



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• **Trademark Acknowledgments**

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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>
V1	20100802	Preliminary Release
VR2	20110119	5.1 Output Level

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1. Introduction

The 4 by 1 Optical Audio Switcher is a device with four optical inputs and one optical output. This device allows users with multiple optical sources to connect for one output display while all signals can bypass without delay.

The device has a built in last memory function and IR remote control which provides a more users friendly operating experience.

2. Applications

- Multi-selection audio performance
- Optical audio signal display
- Theater performance
- Audio showroom control

3. Package Contents

- 4 by 1 Optical Audio Switcher
- IR Remote Control (CR-72)
- 5V / 1A Power Adaptor
- Operation Manual

4. Features

- Optical sampling rate supports up to 192 kHz
- Low power consumption
- up to 24 bit resolution

5. Specifications

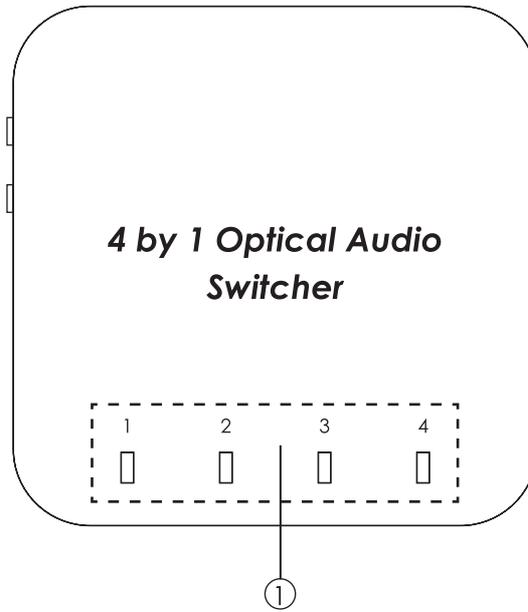
Input Ports	4 x Optical
Sample Frequency	Up to 192 kHz
Output Port	1 x Optical
Audio Format	PCM2, Dolby 5.1 & DTS 5.1 pass through
Power Supply	5V / 1A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 6\text{kV}$ (contact discharge)
Dimensions(mm)	100 (W) x 70 (D) x 20(H)
Weight(g)	90
Chassis Material	Plastic
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F~104°F
Storage Temperature	-20°C~60°C / -4°F~140°F
Power Consumption	<1W
Relative Humidity	20 ~ 90% RH (non-condensing)

5.1 Input Audio Reference Level

Input Level / Frequency	Output Terminal	Output Level	THD+N	Frequency Response	SNR	Crosstalk
Optical 0dBFS 1kHz	Optical	0~0.05dBFS	<0.01%	$\pm 1\text{dBFS}$	>90dB	<-90dB

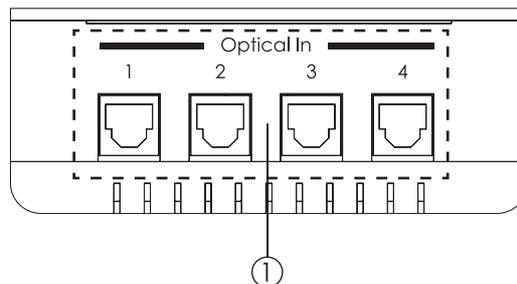
6. Operation Controls and Functions

6.1 Top Panel



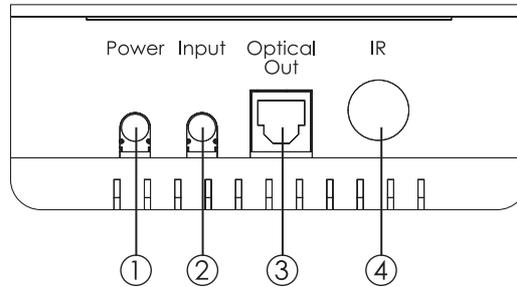
- ① Input 1~4: The LED will illuminate in blue when selected the source.

6.2 Left Panel



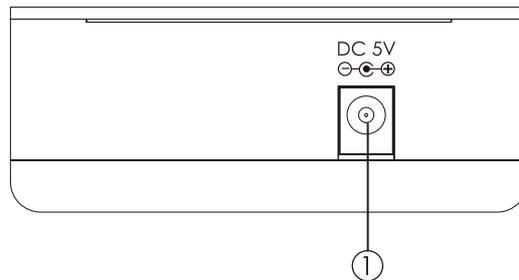
- ① Optical In: These slots are to connect with input source equipments such as DVD/Blue-Ray player for audio input signal sending.

6.3 Right Panel



- ① Power: Press this button to turn on the device or to set it to standby mode. The blue LED on the top panel will illuminate when the device is turn on.
- ② Input: Press this button to select the input port from 1~4. The blue LED on the top panel will illuminate according to the selection.
- ③ Optical OUT: This slot is where you connect the amplifier or active speaker with optical cable for audio output.
- ④ IR: This is the IR receiver window receiving IR signal from the remote control included with the device.

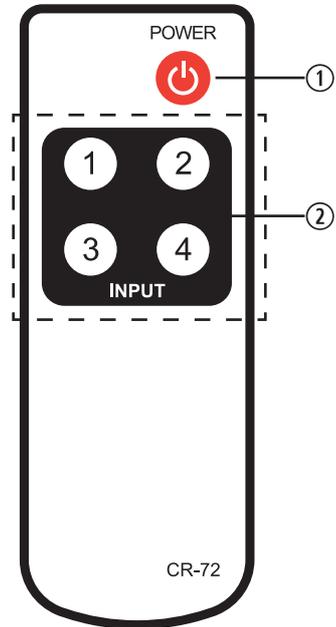
6.4 Rear Panel



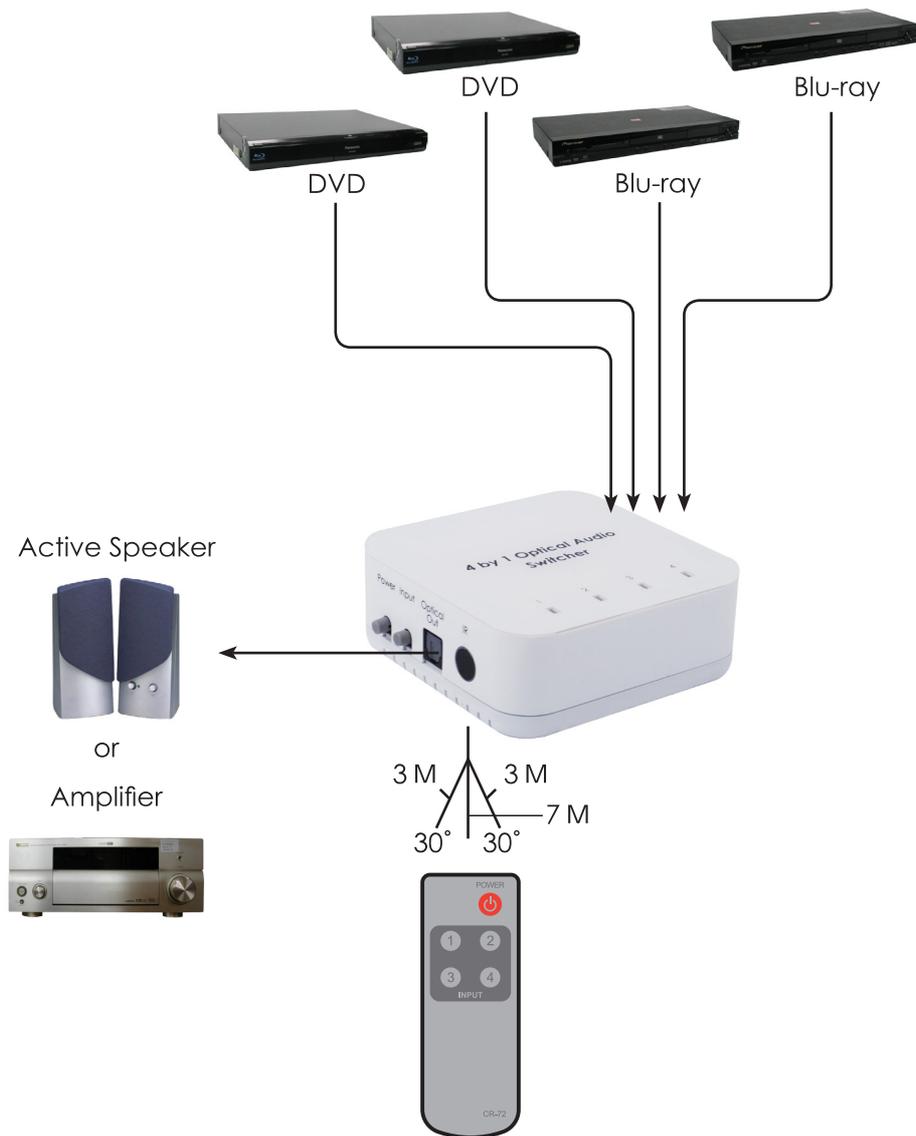
- ① DC 5V: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.

7. Remote Control

- ① Power button: Press to switch On the device,press it again to set the device in standby mode.
- ② 1~4: Press the desire input button to select the input source.



7. Connection and Installation



Acronyms



Acronym

Complete Term



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