

HDMI 18Gbps 4x1 Switcher with Audio Extractor

User Manual

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

The HDMI 18Gbps 4x1 Switcher can switch any of 4 HDMI 2.0 sources to an HDMI 2.0 display. It supports 10bits HDR (High Dynamic Range) pass through and HDMI high resolution digital audio bypass as well as HDCP and CEC bypass. It can also extract HDMI audio to L/R analog output (LPCM only).

2. Features

- ✧ HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- ✧ Video resolutions up to 4K2K@50/60Hz (YUV444)
- ✧ Supports 4 HDMI inputs and 1 HDMI output
- ✧ Built-in retiming and cable driver
- ✧ Extracts HDMI audio to L/R analog output (LPCM only)
- ✧ Supports HDMI High Bit Rate(HBR) audio pass through
- ✧ Audio sample rates up to 192kHz
- ✧ 10bits HDR (High Dynamic Range) pass through

- ✧ Supports HDCP, 3D and CEC bypass

3. Package Contents

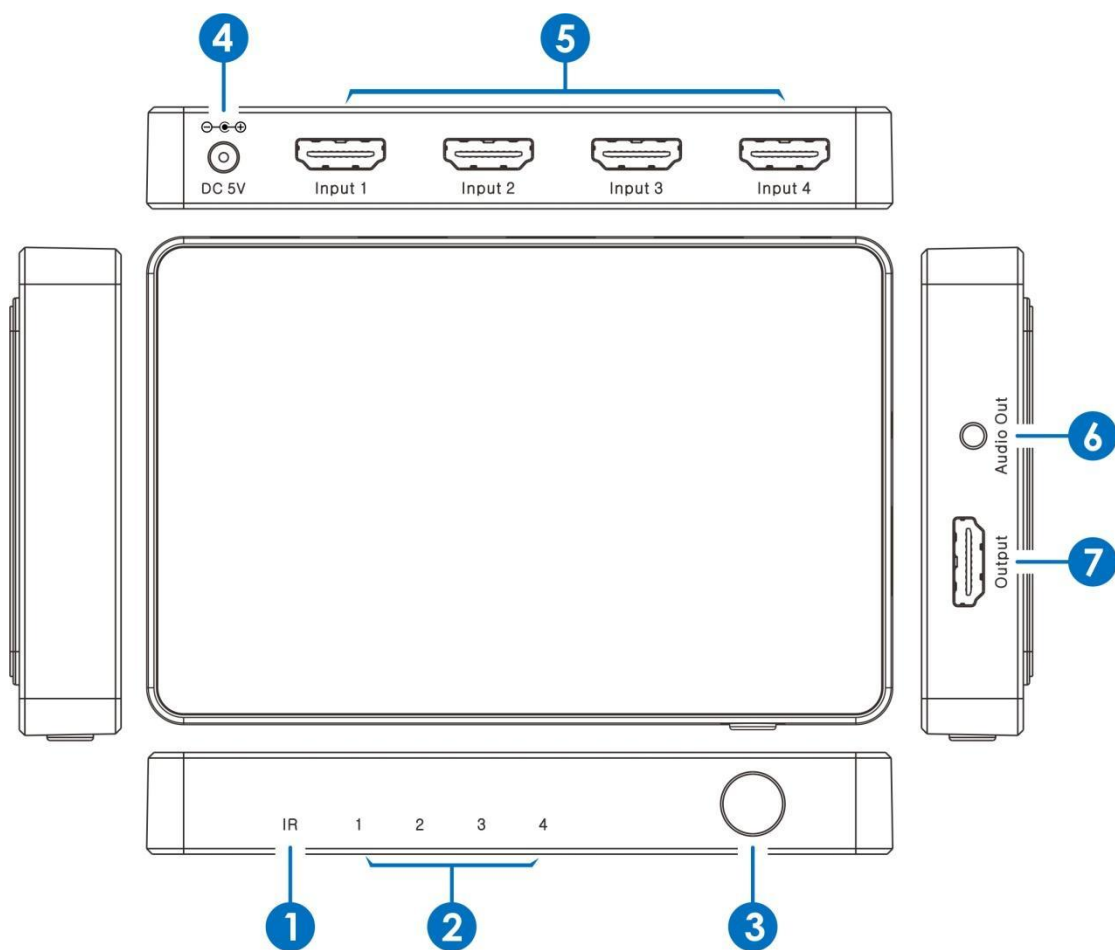
- ✧ 1 x HDMI 4x1 Switcher unit
- ✧ 1 x 5V/1A Power Adaptor
- ✧ 1 x Remote Control unit
- ✧ 1 x User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz(YUV4:4:4),4K2K@30Hz,1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	4x HDMI Type A [19-pin female]
Outputs	1x HDMI Type A [19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Plastic Enclosure
Color	Gray
Dimensions	120.97mm [W] x 79.17mm [D] x 16mm [H]
Weight	195g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1W (Max)

Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

5. Operation Controls and Functions



- 1** **IR:** IR receiver window.
- 2** **Input LED:** The LED will illuminate when corresponding HDMI input be chosen.
- 3** **Select Button:** This allows users to select HDMI input ports.
- 4** **DC 5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.
- 5** **HDMI Inputs:** Connect them to HDMI source devices such as Blu-ray

DVD or PS4 player.

- 6 **Audio Out:** Connect to audio amplifier or TV L/R audio input port.
- 7 **HDMI Output:** Connect to HDMI display device such as TV/Projector.

6. Connection Diagram

