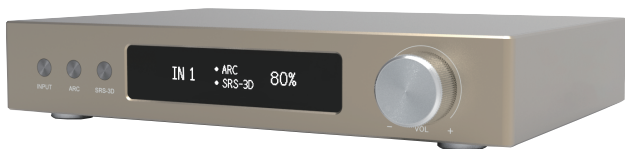


4K@60 4×1 Switcher with 2×50W Audio Amplifier



User Manual

VER 1.0

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 high performance 4K60Hz 4×1 Switcher supports four HDMI high definition inputs and one HDMI output, the highest resolution is up to 4K60Hz YCbCr 4:4:4, HDCP 2.2. It supports external analog audio input. It can extract HDMI audio and external analog audio to analog audio and 2×50W amplifier output. The product supports Audio Return Channel (ARC) function and 3D sound effect. It is controlled by on-panel buttons and IR remote control, the OLED screen on the front panel will display relative information.

2. Features

- ☆ HDMI 2.0, HDCP 1.4 and HDCP 2.2 compliant.
- ☆ Supports resolution up to 4K60Hz YCbCr 4:4:4.
- ☆ Supports 4K60Hz→1080P60Hz down scale function.
(According to displayer's adaptive ability)
- ☆ Supports Audio Return Channel (ARC) function and 3D sound effect that can be opened and closed through on-panel button and remote control.
- ☆ Supports 2.0/2.1 and Auto EDID setting that can be selected by remote control.
- ☆ Supports extracting HDMI audio and external analog audio to analog audio and 2×50W amplifier output.
- ☆ Controls by on-panel buttons and IR remote control.
- ☆ Compact design for easy and flexible installation.

3. Package Contents

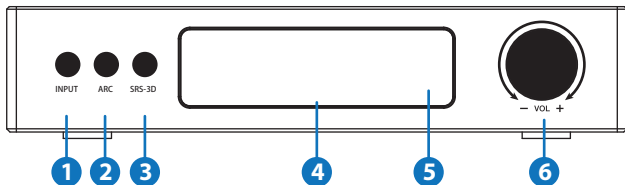
- ① 1× 4K@60Hz 4×1 HDMI Switcher
- ② 1× 24V/3.75A Locking Power Adapter
- ③ 1× Remote Control
- ④ 1× Phoenix Connector (3-pin, male)
- ⑤ 1× Phoenix Connector (4-pin, male)
- ⑥ 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	720P50/60Hz, 1080P50/60Hz, 4K2K24Hz, 4K2K30Hz, 4K2K@50/60Hz (YCbCr 4:4:4)
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Signal-Noise ratio	> 94dB
TND+N	< 0.03% (@1KHz 4Ω 1W) < 3.0% (@1KHz 4Ω 50W)
Frequency Response	20Hz - 20KHz (±3%)
Infrared Frequency	38KHz
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connections	
Input ports	4×HDMI Type A [19-pin female] 1×LINE [3.5mm Stereo Mini-jack]
Output ports	4×HDMI Type A [19-pin female] 1×LINE [3.5mm Stereo Mini-jack] 1×RS-232 [3-pin Phoenix Jack] 1×SPEAKER [4-pin Phoenix Jack]
Mechanical	
Housing	Aluminum Enclosure
Color	Champagne Gold
Dimensions	192.5mm(W)×160mm(D)×40mm(H)
Weight	838g
Power Supply	Input: AC100~240V 50/60Hz Output: DC24V/3.75A (US/EU standards, CE/FCC/UL certified)
Output power	2x50W @4Ω
Power Consumption	85W
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)

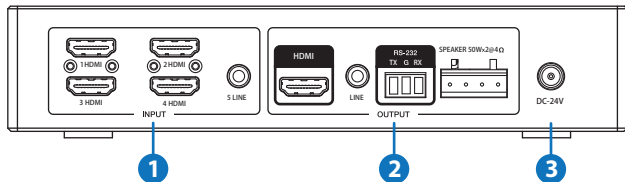
5. Operation Controls and Functions

5.1 Front Panel



Number	Name	Function description
1	INPUT button	The OLED screen will display relevant information when the INPUT button selects one input source.
2	ARC button	Start and stop ARC function. The OLED on front panel will display when the ARC is started.
3	SRS-3D button	Start and stop the 3D function. The OLED on front panel will display when the ARC is started.
4	OLED screen	Display the INPUT source, ARC, 3D and VOLUME information.
5	IR	IR receiver window.
6	VOLUME roll button	Adjust LINE and SPEAKER channel volume. Pressing the button will be mute and pressing again will be unmute.

5.2 Rear Panel



Number	Name	Function description
1	INPUT ports	<ul style="list-style-type: none"> ▪ 1~4 HDMI ports: Connect to HDMI source device such as DVD or PS4 player with an HDMI cable. ▪ 5 LINE port: Connect to external audio input such as MP3 or DVD.
2	OUTPUT ports	<ul style="list-style-type: none"> ▪ HDMI port: Connect to HDMI display device such as TV or projector with an HDMI cable. ▪ LINE port: Connect to audio amplifier. The port outputs audio from 1~5 INPUT source. ▪ RS-232 port: For firmware updated use. ▪ SPEAKER port: Connect to speaker output. The port outputs audio from 1~5 INPUT source. (Note: LINE port and SPEAKER port output the same audio.)
3	DC 24V	Connect to 24V/3.75A adapter to AC wall outlet for power supply.

6. Remote Control



	Pressing the button will be mute and pressing again will be unmute. The OLED on the front panel will display relative information
•	The dot is the button's signal indicator light.
	Select the 2.0 and 2.1 EDID setting.
	Copy the EDID setting of the HDMI OUT port to source device, the source device will send the signal to output again .
VOL+/ VOL-	The OLED on front panel will display relative information when the output volume are adjusted.
IN-/IN+	The OLED on front panel will display relative information when the last or next input source are selected .
INPUT	Loop selecting input source.
	Start or stop the ARC function. The OLED on front panel will display when the ARC is started.
	Start or stop the 3D function. The OLED on front panel will display when the ARC is opened.

7. Application Example

