

18Gbps HDMI Switcher 3×1

User Manual

VER 1.1

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

This 18G HDMI switcher can switch any of these 3 HDMI 2.0 inputs to 1 HDMI 2.0 output. Each input and output supports up to 4K60 444 resolution and 10bits HDR (High Dynamic Range) pass through. The product can be controlled by on-panel button and IR remote control.

2. Features

- ☆ HDMI 2.0, HDCP 2.2 / HDCP 1.4 compliant
- ☆ Support 18Gbps bandwidth
- ☆ Three 18G HDMI 2.0 video inputs support up to 4K60 444 resolution
- ☆ One 18G HDMI 2.0 video output supports up to 4K60 444 resolution
- ☆ Support 10bits HDR pass through
- ☆ Four methods of control: Front panel and IR remote
- ☆ Compact design for easy and flexible installation
- ☆ 5V 1A DC PSU

3. Package Contents

Qty	Item
1	18Gbps HDMI Switcher 3×1
1	5V/1A Power Adapter
1	IR Remote
1	User Manual

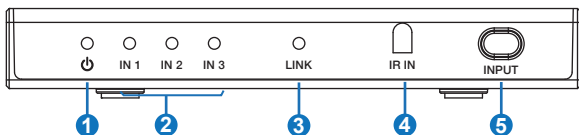
4. Specifications

Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz /18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200, 3840 x 2160
Color Depth	8/10/12-bit (1080P60Hz, 4K30&4K60 YCbCr 4:2:0) 8-bit (4K60Hz YCbCr 4:4:4)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YCbCr 4:2:0
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
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input Ports	3×HDMI Type A (19-pin female)
Output Ports	1×HDMI Type A (19-pin female)
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	122mm (W) × 64mm (D) × 19mm (H)
Weight	230g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1.45W
Operation Temperature	-10°C ~ 50°C / 14°F ~ 122°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Resolution / Cable Length	4K60 - Feet / Meters	4K30 - Feet / Meters	1080P60 - Feet / Meters
HDMI IN / OUT	10ft / 3M	30ft / 10M	42ft / 15M
The use of "Premium High Speed HDMI" cable is highly recommended.			

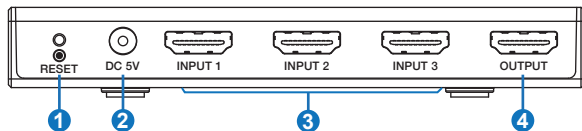
5. Operation Controls and Functions

5.1 Front Panel



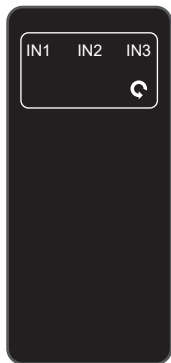
Number	Name	Function description
1	POWER LED	The LED will illuminate when the device is connected power supply.
2	IN LED	These LEDs will illuminate when HDMI IN port is connected an active source device.
3	LINK	Network connection LED. The LED illuminates when the device connects network signal.
4	IR IN	IR receiver window. It receives IR remote control from the product only.
5	INPUT button	Pressing this button will select IN1/IN2/IN3 input source to OUTPUT port.

5.2 Rear Panel




Number	Name	Function description
1	RESET button	Network connection and firmware upgrade button. <ul style="list-style-type: none"> ▪ The product will enter network setting status when the button is pressed up to 3s. ▪ The product will enter firmware upgrade status when the button is pressed less 0.2s. (The FOTA to upgrade.)
2	DC 5V	Plug the DC 5V/1A power supply into the unit and connect the adaptor to an AC outlet.
3	INPUT 1/2/3	Connect to HDMI source devices such as DVD player or set-top box with an HDMI cable.
4	HDMI OUTPUT	Connect to one HDMI display device such as TV or Monitor with an HDMI cable.

6. IR Remote



IN1/IN2/IN3: Select IN1/IN2/IN3 input source to output display.

: Loop select input source to output display.

7. Application Example

