

HSP-4001-2

18Gbps 1×2 HDMI Splitter



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.

Table of Contents

1. Introduction.	1
2. Features.	1
3. Package Contents.	2
4. Specifications.	2
5. Operation Controls and Functions.	4
6. Application Example.	6

1. Introduction

The 18Gbps HDMI 1×2 Splitter can distribute 1 HDMI input source to 2 HDMI display devices, with video resolution up to 4K2K@ 60Hz 4:4:4. It supports auto downscaling and advanced EDID management. Its video bandwidth is up to 18Gbps, achieving perfect transmission of HD signal without distortion. It can be widely used for video conference, multimedia teaching and other similar occasions.

2. Features

- ☆ HDCP 2.3/1.4 and DVI 1.0 compliant
- ☆ Support 18Gbps video bandwidth, as specified in HDMI 2.0b
- ☆ Support video resolution up to 4K2K@60Hz 4:4:4, and HDMI 3D audio format
- ☆ Support PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH
- ☆ Support auto downscaling
- ☆ Support CEC by-pass from IN to OUT1
- ☆ Support HDR, HDR10, HDR10+, Dolby Vision, HLG
- ☆ Support EDID control, including STD (1080p) mode and TV (copy OUT1) mode

3. Package Contents

- ① 1× 18Gbps HDMI 1×2 Splitter
- ② 1× 5V/1A Multinational Power Supply
- ③ 1× User Manual

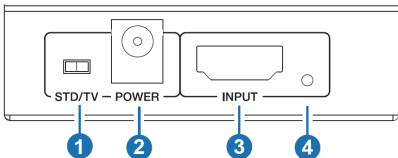
4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3 / 1.4
DVI Compliance	DVI 1.0
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	LPCM 2.0/5.1/7.1CH, DD, DD+, DTS, Dolby True HD, and DTS-HD Master
Sample Rate	44.1KHz/48KHz/88.2KHz/96KHz/176.4KHz/192KHz
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

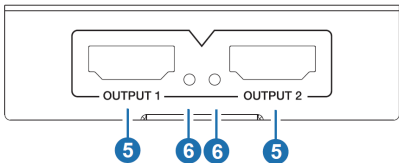
Connection			
Input	1 × HDMI INPUT [Type A, 19-pin female]		
Output	2 × HDMI OUTPUT [Type A, 19-pin female]		
Mechanical			
Housing	Metal Enclosure		
Color	Black		
Dimensions	70mm (W) × 60mm (D) × 20.5mm (H)		
Weight	118g		
Power Supply	5V/1A		
Power Consumption	1.41W (Max.)		
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F		
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F		
Relative Humidity	20~90% RH (non-condensing)		
Recommended HDMI Cable			
Video Resolution	4K60	4K30	1080P
HDMI Cable Length (HDMI IN / OUT)	5m/16ft	10m/33ft	15m/49ft
The use of "Premium High Speed HDMI" cable is highly recommended.			

5. Operation Controls and Functions

Front Panel



Rear Panel

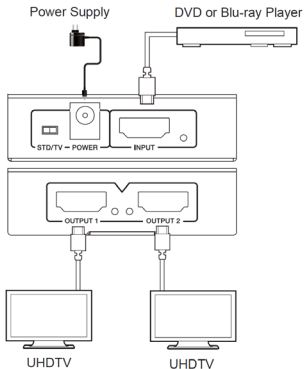


No.	Name	Function Description
1	STD/TV dial switch	Used to switch the EDID mode. STD: Fixed EDID of 1080p 2CH, physical address is copied from OUT1. TV: Copy EDID from OUT1 by default. If OUT1 is not connected, copy from OUT2.
2	POWER port	Connects to a DC 5V power supply.
3	INPUT port	Connects to an HDMI source device such as DVD or set-top box with HDMI cable.
4	INPUT LED	When the HDMI INPUT port connects an active source device, the red LED will be on.
5	OUTPUT port (1~2)	Connects to HDMI display devices such as TV or monitor with HDMI cable.
6	OUTPUT LED (1~2)	When the OUTPUT 1/2 port connects to a display device, the corresponding red LED will be on.

Note: This product supports auto downscaling on each output port, according to the available resolution of the connected display devices.

If the maximum resolution supported by the display device is lower than the input source signal, the input source will be downscaled to output, no matter what mode the EDID is.

6. Application Example



HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

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