

# DVDO



DVDO-Splitter-14-SE  
1x4 HDMI 2.0 18Gbps Splitter  
with Scaler / Audio Extraction

## User Manual

Version 1.0.0

## **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 1x4 HDMI 2.0 Splitter simultaneously routes one HDMI source to four HDMI displays. It supports resolutions up to 4K2K@60Hz (4:4:4) and HDCP 2.2. This product supports audio extraction from HDMI source to optical and analog outputs. It can select COPY, AUTO modes for EDID setting. Output supports bypass and downscaling (4K->1080P) function.

# 2. Features

- ☆ HDMI 2.0b, HDCP2.2/HDCP1.4 compliant.
- ☆ Supports HDMI resolutions up to 4K2K@50/60Hz (4:4:4)
- ☆ Supports digital and analog audio extraction output from HDMI source.
- ☆ Supports output bypass and 4K->1080P downscaling function via dial switch on panel.
- ☆ EDID can be selected to COPY and AUTO modes.

(COPY: Copies OUT 1 port EDID setting to all output ports, If no HDMI OUT 1 EDID is detected then the unit will copy HDMI OUT 2. If no HDMI OUT 1 and 2 EDID is detected then the unit will copy HDMI OUT 3, etc. The priority order is OUT 1 to OUT 4.

AUTO: Compare OUT 1~OUT 4 EDID settings and output the best resolution to all outputs.)

- ☆ Supports analog audio PCM 2.0.
- ☆ Supports optical audio pass-through format LPCM 2.0/2.1/5.1CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS 5.1, DTS-ES 6/DTS-HDMA 5.1, DTS HD-HRA 5.1.

### 3. Package Contents

- ① 1× 1×4 HDMI 2.0 Splitter
- ② 1× 5V/1A Power Adapter
- ③ 1× User Manual

## 4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	720P50/60Hz, 1080P50/60Hz, 4K2K24Hz, 4K2K30Hz, 4K2K@50/60Hz (4:4:4)
Color Depth	4K60Hz 8-bit, 1080P 12-bit
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
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
L/R Audio Formats	PCM 2.0
Optical Audio Formats	LPCM [2.0/2.1]CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS 5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1
ESD Protection	Human-body Model:  $\pm 8\text{kV}$ (Air-gap discharge) , $\pm 4\text{kV}$ (Contact discharge)

<b>Connections</b>	
Input ports	1×HDMI Type A [19-pin female]
Output ports	4×HDMI Type A [19-pin female] 1×L/R Audio out [3.5mm Stereo Mini-jack] 1×Optical out [S/PDIF]
<b>Mechanical</b>	
Housing	Metal Enclosure
Color	Black
Dimensions	180mm(W)×62mm(D)×14mm(H)
Weight	227g
Power Supply	Input: AC100~240V 50/60Hz, Output: DC5V/1A  (US/EU standards, CE/FCC/UL certified)
Power Consumption	3.5W (max)
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

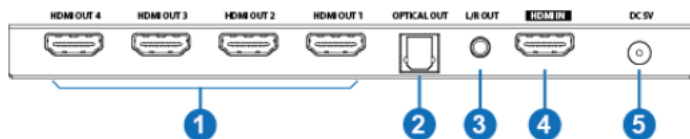


Number	Name	Function description
1	POWER LED	This blue LED will illuminate when the unit has connected power supply.
2	HDMI INPUT LED	This blue LED will illuminate when the HDMI IN has connected an active HDMI source device with a HDMI cable.
3	HDMI OUTPUT LED	These blue LEDs will illuminate when the HDMI OUT port has connected an active display device with a HDMI cable.
4	SERVICE port	Firmware update used. (Manufacturer use only.)
5	EDID	<ul style="list-style-type: none"><li>AUTO: Compare the EDID setting of the HDMI OUT 1~ 4 port display device, then</li></ul>



		<p>transmit the best EDID signal to source device, the source device will transmit again the EDID signal to all outputs.</p> <ul style="list-style-type: none"> <li>• COPY: Copy the HDMI OUT 1 port EDID setting to source device (If no HDMI OUT 1 capable EDID is detected then the unit will copy HDMI OUT 2. If no HDMI OUT 1~2 capable EDID is detected then the unit will copy HDMI OUT 3, etc. The priority order is OUT 1 to OUT 4).</li> </ul>
6	Dial switch (4K→ 1080P)	<p>OFF: When the dial switch is dialed to 'OFF' position, signal input and output is bypass status.</p> <p>ON: When the dial switch is dialed to 'ON' position, signal input will downscale (4k-&gt;1080P ) output.</p>

## 5.2 Rear Panel



Number	Name	Function description
1	HDMI OUTPUT	Connect to HDMI display device such as TV or monitor.
2	OPTICAL OUT	Optical audio output. (This port outputs audio from HDMI IN port.)
3	L/R OUT	Analog audio output. (This port outputs audio from HDMI IN port.)
4	HDMI IN	Connect to HDMI source device such as DVD player or PS4.
5	DC 5V	Plug the 5V/1A DC power supply into the unit and connect the adapter to an AC outlet.

## 6. Application Example

