



# 1x2 HDMI 18Gbps Splitter

USER MANUAL

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## 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, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

# Registration page

Please Activate your warranty by registering your product through the link below - [www.orei.com/register](http://www.orei.com/register)

## **Technical Support**

### ***Need Help?***

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

### **OREI Live Technical Support Hours**

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 6 p.m. Central Time

**Support Email** - [info@orei.com](mailto:info@orei.com) | **Support Number** - 877-290-5530

Or

### **Chat Live on [www.orei.com](http://www.orei.com)**

Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

### **Scan the QR code to watch a Video of How to Use the product.**

Please Activate your Warranty by registering your product through the link below. - [www.orei.com/register](http://www.orei.com/register)



# Introduction

1x2 HDMI 18Gbps Splitter is an advanced solution for splitting a HDMI content to 2 HDMI outputs synchronously. It provides high performance audio and video up to 4K2K@60Hz (4:4:4) and is capable of receiving, retiming and transmitting up to 18Gbps of bandwidth with no data loss.



1. HDMI 2.0b, HDCP 2.2 compliant
2. Up to 4K2K@60Hz with 24bit RGB/YCBCR 4:4:4
3. VESA format up to QSXGA@60Hz
4. Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
5. Built-in equalizer, retiming and driver
6. Smart EDID, STD(1080p) mode and TV(copy OUT1) mode
7. Compact design for an easy and flexible installation

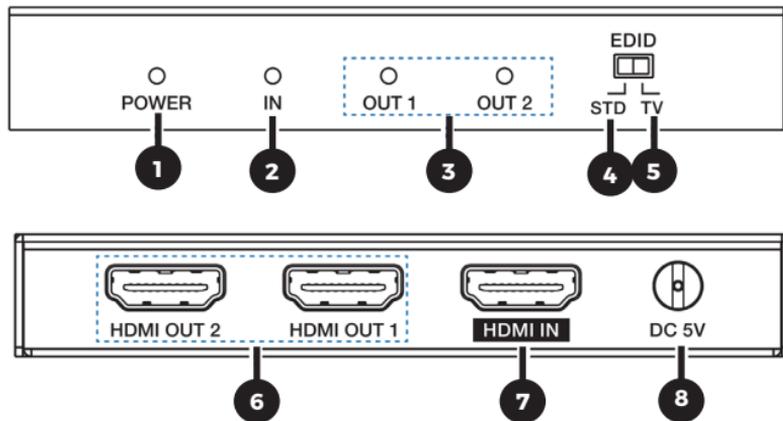
## Package Contents

1.	1×2 HDMI 18Gbps Splitter	1 pcs
2.	5V/1A Power Adapter	1 pcs
3.	User Manual	1 pcs

# Specification

<b>Technical</b>	
Video Bandwidth	600MHz/18Gbps
Input Port	1×HDMI Type A (19-pin female)
Output Ports	2×HDMI Type A (19-pin female)
Video Resolution	4K2K@24/25/30/60Hz
ESD Protection	Human body model—±8kV (Air-gap discharge) &±4kV (Contact discharge)
<b>Mechanical</b>	
Chassis Material	Metal
Silkscreen Color	Black
Power Consumption	2W
Weight	165g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Dimensions	56 mm(W)×100 mm(D)×16mm(H)
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)

# Operation controls and functions



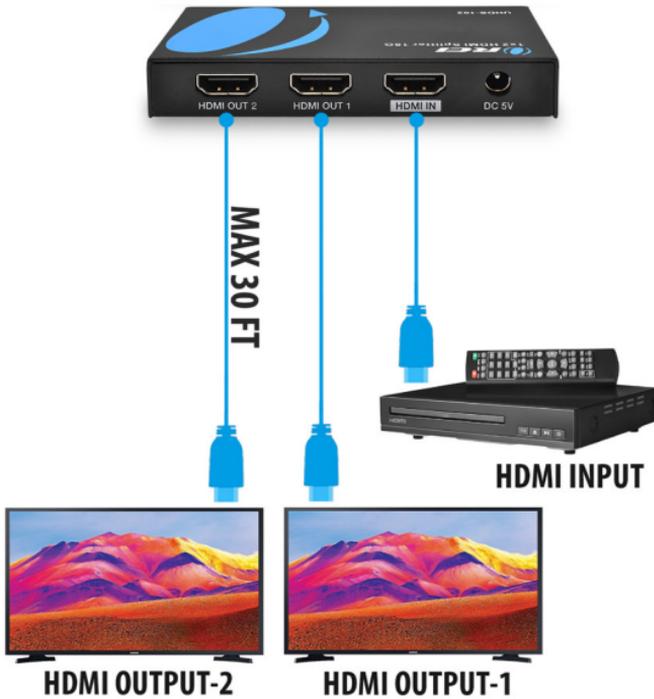
No	Name	Function Description
1.	POWER LED	This blue LED illuminate when the device is connected with power supply.
2.	IN LED	This blue LED illuminate when the Source is connected to the device.
3.	OUT LED	These blue LEDs will light up to indicate which HDMI output port is connected to an active TV/ display/monitor.
4.	EDID STD	When in 'STD' mode, the unit will use its own built-in EDID settings. In this mode, the video output will be set to 1080p@60Hz and the audio output at LPCM 2CH Stereo.

# Operation controls and functions

No	Name	Function Description
5.	EDID TV	When in 'TV' mode (COPY OUT1), INPUT EDID is set to COPY OUT1, the unit supports Downscaler function: If the HDMI OUT1 port is connected with 1080P TV, all output is bypass. If the HDMI OUT1 port is connected with 4K TV, 4K output is bypass, 1080P output will be Downscaled.
6.	HDMI OUT 1-2	Connect each of the HDMI outputs to an HDMI display for simultaneous HDMI distribution, or cascade the output to another splitter to extend the operating distance.
7.	HDMI IN	Connect the input port to the HDMI output of your source device such as a DVD player or set-top box with an HDMI cable.
8.	DC 5V	Plug the 5V DC power supply into the unit and connected the adaptor to an AC outlet.

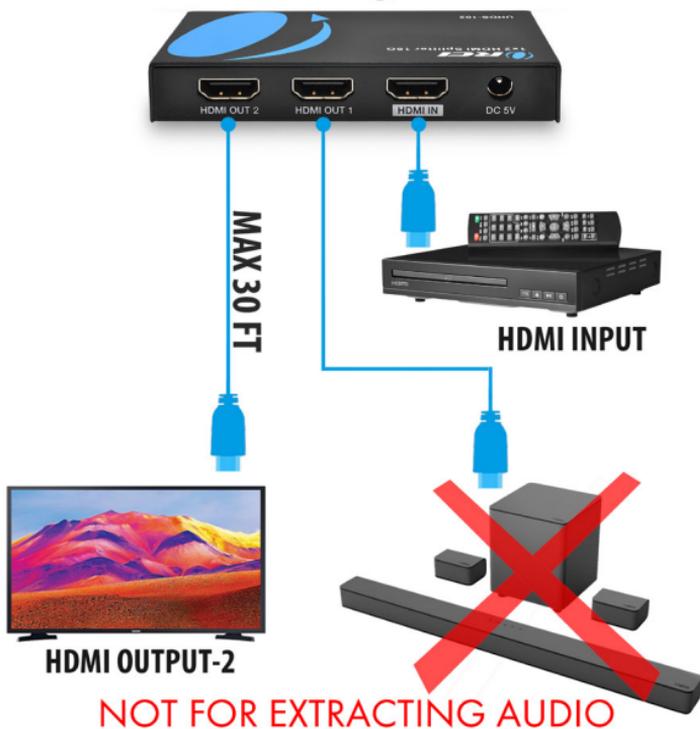
# Application Example

## UPTO 4K @ 60HZ



# Application Example

## UPTO 4K @ 60HZ





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Splitter**

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