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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, lightning 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 our 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.



# Introduction

This is one device of HDMI™ 2 ports bi-direction manual switches. It can easily switch two routes of UHD Source to any one UHD display or projector or distribute one UHD Display or projector to two displays (not synchronously). This newer bi-directional switch adopts integrated IC solution to substantially reduce product power consumption for improved compatibility. For added versatility, the switch can draw power from the input sources via HDMI™ Cable. It is very convenient in areas where access to power outlets is limited.



# Features

1. 2 HDMI-Host to 1 HDMI monitor
2. 1 HDMI-Host to 2 HDMI monitors
3. Max operation Current: 11mA
4. Backward compatible with the HDMI earlier versions
5. Support HDCP 2.2 and HDCP 1.4
6. Support high definition resolution 4K@60Hz YUV 4:4:4 and Full 3D
7. Support 600MHz/6.0Gbps per channel bandwidth (18Gbps all channels)
8. Support Consumer Electronics Control
9. Support High Dynamic Range (HDR) video
10. Manual port selection: Enables you to manually select your HDMI source with easy-to-use panel buttons.
11. LED working status indication
12. Easy installation & operation: plug and play

## Package Contents

Main Unit

User Manual

# Specifications

Input Ports	HDMI x 1 (1 in 2 out) / HDMI x 2 (2 in 1 out) /
Output Ports	HDMI x 2 (1 in 2 out) / HDMI x 1 (2 in 1 out) /
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	6.0Gbps/600MHz per channel(18Gbps all channels)
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p,4K@24/30Hz,4K@50/60Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0°C to 70°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	N/A
Power Consumption (Max)	5W
Switcher Unit Cert	FCC, CE, RoHS
Dimension(LxWxH)	52.4x51.6x14mm
Net Weight	30g
Material	ABS
User Manual	English Version

Note: Specifications are subject to change without notice.

# Troubleshooting

<b>Problems</b>	<b>Causes</b>	<b>Solutions</b>
Screen splash	HDMI cable may not be HDMI 2.0 specification or the cable is too long	Please use the standard HDMI 2.0 cable, the input/output cable length does not exceed 1.5M 4K/60Hz 4:4:4, 4K@30Hz/1080p can reach to 4M
Can't output to two displays at the same time	The product is a bi-direction switcher support 1 in 2 out (not synchronously) and 2 in 1 out	Manual select the most wanted display to show the picture at a time and press the select button to change the next display

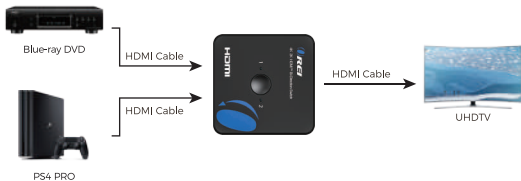
# Operation controls and functions



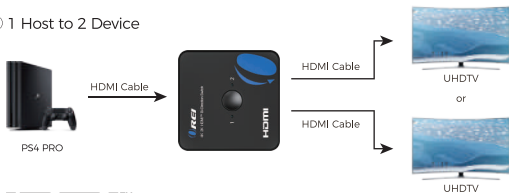
- 1 1-2:** HDMI Input/Output 1-2 LED Indicator
- 2 SELECT:** Select the Channel 1 or 2 to Pass-through the HDMI Signal
- 3 HDMI 1-2:** HDMI Output 1-2 port When 1 In 2 Out Mode and HDMI Input Port 1-2 When 2 In 1 Out Mode
- 4 HDMI Port:** HDMI Input Port When 1 In 2 Out Mode and HDMI Output Port When 2 In 1 Out Mode

# Connection Diagram

## ① 2 Host to 1 Device



## ② 1 Host to 2 Device



**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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**HDMI Bi-direction 1x2 splitter,  
2x1 switch v2.0 4Kx2K@60Hz**

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