



REI BK-22 8K Two Input Dual View HDMI Splitter User Manual

[Home](#) » [REI](#) » REI BK-22 8K Two Input Dual View HDMI Splitter User Manual 

Contents

- [1 REI BK-22 8K Two Input Dual View HDMI Splitter](#)
- [2 Registration Page](#)
- [3 Technical Support](#)
- [4 Introduction](#)
- [5 Features](#)
- [6 Package Contents](#)
- [7 Specifications](#)
- [8 Operation Controls and Functions](#)
- [9 Application Example](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)



REI BK-22 8K Two Input Dual View HDMI Splitter



Thank you for purchasing this product

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 service life of your equipment.

Registration Page

Please Activate your warranty by registering our product through the link below – 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
Support Number – 877-290-5530

Or

Chat Live on 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 8K Two-Input Dual View HDMI Splitter can not only switch any of the two HDMI input signals, but also distribute it to two displays simultaneously. It supports video resolution up to 8K@60Hz 4:2:0. As able to be used either as a splitter or a switcher, this multi-functional product can be widely applied in scenarios of demonstration, video conference, multimedia teaching and other occasions requiring for big-screen demonstration.

Features

1. HDMI 2.1 and HDCP 2.3 compliant
2. Support 40Gbps video bandwidth
3. Support video resolution up to 8K@60Hz 4:2:0
4. Support HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
5. Support HDR, HDR10, HDR10+, Dolby Vision, ALLM/VRR pass through
6. 2×1 Switch with Dual Output
7. Built-in Equalizer, Retiming and Driver
8. Auto EDID management
9. Compact design for easy and flexible installation

Package Contents

1.	8K Two-Input Dual View HDMI Splitter	1pcs
2.	5V/1A Integrated Power Adaptor	1pcs
3.	User Manual	1pcs

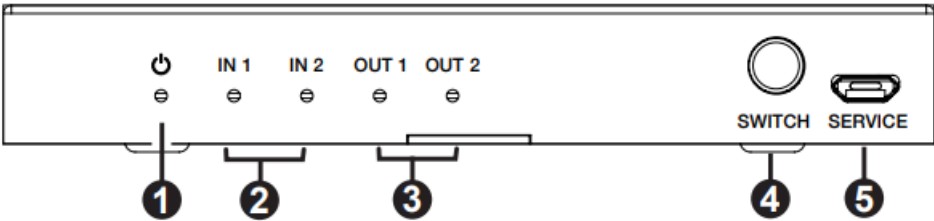
Specifications

Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	40Gbps
Video Resolution	Up to 8K@60Hz YCBCR 4:2:0 10bit, 8K30 RGB/ YCBCR 4:4:4 10bit or,4K120 RGB/YCBCR 4:4:4 10bit
Color Depth	8-bit,10-bit,12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YCbCr 4:2:0
HDR	Support HDR, HDR10, HDR10+, Dolby Vision, ALLM/VRR pass through
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)
Connection	
Input	2×HDMI IN [Type A 19-pin female]
Output	2×HDMI OUT [Type A 19-pin female]
Control	1×SERVICE [Micro USB, Update port]

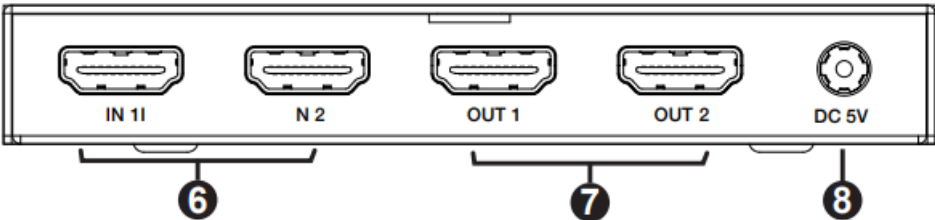
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	115mm (W) × 68mm (D) × 18mm (H)
Weight	220g
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (Non-condensing)
Power Consumption (Max)	2.25W (Max)
Power Supply	Input: AC100 – 240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)

Operation Controls and Functions

Front Panel



Rear Panel



No.	Name	Function Description
1.	POWER LED	When the device is powered on, the red LED will be on.
2.	IN LED (1~2)	When the HDMI IN 1/2 port connects an active source device, the corresponding green LED will be on.
3.	OUT LED (1~2)	When the HDMI OUT 1/2 port connects an active display device, the corresponding green LED will be on.
4.	SWITCH	Pressing this button will allow the device to switch any of the two HDMI input signals and distribute it to two displays simultaneously. Firmware update port.
5.	SERVICE	
6.	IN (1~2) port	HDMI signal input port, connect to HDMI source device such as DVD or PS5 with an HDMI cable.
7.	OUT (1~2) port	HDMI signal output port, connect to HDMI display device such as TV or Monitor with an HDMI cable.
8.	DC 5V	DC 5V Power input port.

Note:

1. When the device is powered on, it will start to work. Both OUT1 and OUT2 are defaulted to output the source signal from the IN1 port.

2. The device supports memory function in case of power-down.
3. AUTO SWITCH: When there is no input signal, empty switching is allowed; when there is input signal detected, the device will switch to the latest source signal automatically.
4. Ports of IN1, IN2, and OUT1 support CEC function.
5. After comparing the EDID of two output signals, the device prefers to output the one with lower definition.
6. When the software needs to be updated, it can be updated through the SERVICE port.

Application Example





8K Two-Input Dual
View HDMI Splitter
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Documents / Resources



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BK-22, 8K Two Input Dual View HDMI Splitter, BK-22 8K Two Input Dual View HDMI Splitter

References

- [OREI | Pro AV Solutions & Audio Video HDMI Accessories – OREI.COM](#)
- [OREI | Warranty Registration Form - OREI – OREI.COM](#)