



BK-401S

8K 4 In 1 Out HDMI Switch

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USER MANUAL



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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.

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.

Introduction

The OREI BK-401S HDMI Switch allows you to easily switch between 4 sources and output to one display. This switcher is designed to handle a maximum resolution of 8K@60Hz and also supports 4K@120Hz and 1080p@240Hz. It is HDMI 2.1, and HDCP 2.3 compliant. Experience exceptional video with HDR10+, Dolby Vision, and 48Gbps Video Bandwidth. The switch supports Automatic switching and Manual switching. Enhance your gaming experience with VRR (Variable Refresh Rate), ALLM (auto Low-Latency Mode), and QFT (Quick Frame Transport) functions. The BK-401S provides exceptional sound quality and supports audio formats such as LPCM, Dolby Digital, Dolby True HD, DTS, and DTS-HD Master Audio. It is the perfect device for home theatre or gaming setups.



Features & Package Contents

1. HDMI 2.1 & HDCP 2.3 Compliant
2. Video resolutions up to 8K@60Hz, 4K@120Hz, and 1080p@240Hz
3. 48Gbps combined video bandwidth of all outputs
4. HDR10+ and Dolby Vision support
5. Audio formats: LPCM, Dolby Digital, Dolby True HD, DTS, and DTS-HD Master Audio
6. VRR, ALLM, & QFT support
7. Auto Switching feature
8. CEC Support
9. Built-in Equalizer, Re-timing and Driver

Package Contents

1.	BK-401S	1 pcs
2.	Remote Control	1 pcs
3.	USB Power Cable	1 pcs
4.	User Manual	1 pcs

Specifications

Technical	
HDCP Compliance	HDCP 2.3
HDMI Compliance	HDMI 2.1
Video Bandwidth	48Gbps
Video Resolution	8K@60Hz, 4K@120Hz, 1080p@240Hz up to 480p
Color Space	YCbCr 4:4:4/YCbCr 4:2:2/YCbCr 4:2:0/RGB
Color Depth	12 Bit per channel
Audio Formats	LPCM, Dolby Digital, Dolby True HD, DTS, and DTS-HD
HDR	HDR10+ & Dolby Vision
Connection	
Input	4 × HDMI IN [Type A, 19-pin female] 1 × USB-C [For Power]
Output	1 × HDMI OUT [Type A, 19-pin female]

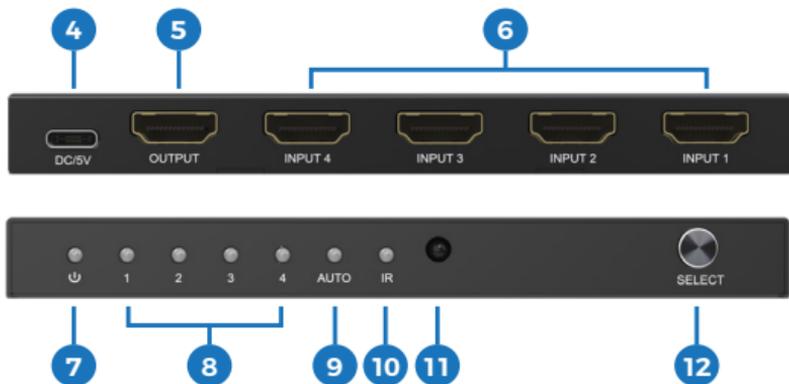
Mechanical	
Housing	Metal
Color	Black
Dimensions	136.3mm [L] × 61.5mm [W] × 14.5mm [H]
Weight	173g / 6.1oz
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	5W (Max)
Operation Temperature	0°C - 70°C / 32°F - 158°F
Storage Temperature	-20°C - 60°C / -4°F - 140°F
Relative Humidity	5-90% RH (non-condensing)

Operation Control & Functions

Remote Control



No.	Name	Function Description
1.	Power	Turn the device on/off
2.	1-4	Press the button to select the respective input source
3.	IR@	Press to turn on/off IR control



Operation Control & Functions

No.	Name	Function Description
4.	DC 5V	USB-C Input for power. Connect the included cable here.
5.	OUTPUT	HDMI Output Port to connect a display device such as a TV, Monitor, etc.
6.	INPUT1-4	HDMI Input Port to connect a source device such as a DVD Player, Streaming device, etc.
7.	Power LED	Power LED Indicator Blue Light: Device is working properly No Light: Device not powered on or not working
8.	1/2/3/4 LED	Input LED Indicators that light up when an active source is detected.
9.	AUTO LED	Auto Mode LED Indicator, ON: Automatic Switching Mode Enabled OFF: Automatic Switching Mode Disabled
10.	IR LED	IR Mode LED Indicator, ON: IR Control Turned On OFF: IR Control Turned Off
11.	IR WINDOW	IR Signal Receiver Window
12.	SWITCH	Short press to change the input channel. Long press for up to 3 seconds to turn on/off Automatic Switching. Long press for up to 6 seconds to turn on/off IR control.

Application Example



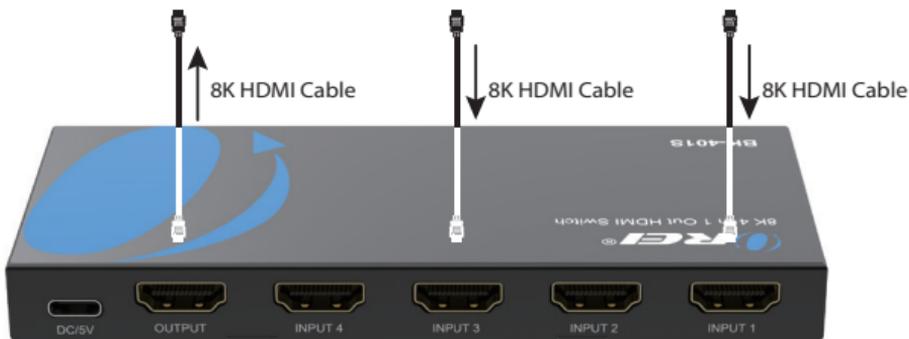
8K UHD TV



Xbox-Series- X



PC Host with
RTX3080



PS5



Laptop

1. Power light is off and product is not working. How can I fix this?

- > Check if the Power supply is connected properly.
- > Check if the other LEDs on the front are lighting up.
- > Try connecting the device to a different power source.

2. My display flickers when I use the switcher. What could be causing this?

- > Check if all the cables are connected properly.
- > Check if all the cables are HDMI 2.1.
- > Try a lower resolution and/or refresh rate from the source.

3. The auto switching feature is not functioning properly. What could be causing this?

- > The device automatically switches only when a source is powered on or just connected.

4. What is the maximum cable length of the device?

We recommend using high quality HDMI cables under 30 feet.

5. Can I connect a 4K and 8K display at the same time?

Yes, you can, but the output will be limited to 4K for both displays as this device does not support Downscaling.



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