

BLACKBIRD™



8K 2x1 HDMI 2.1 Switcher

P/N 44434
Quick Start Guide

Thank you for purchasing this product

To ensure optimum performance and safety, read the following instructions before connecting, operating, or adjusting the product. Keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may have been damaged by electrical spikes, surges, electric shocks, lightning strikes, etc. The use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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Introduction

The 8K 2x1 HDMI 2.1 switcher can switch any 2 HDMI sources into 1 HDMI display. Video resolution is supported up to 8K@60Hz 4:4:4, 48Gbps video bandwidth, making it suitable for outdoor display, video conference, security monitoring, home theater, and other applications.

Use the HDMI 8K switcher to connect from HDMI IN1 and HDMI IN2 ports to two HDMI source devices via an individual cable before connecting from the HDMI OUT port to an external monitor (such as an HDMI projector, HDMI TV, or HDMI ordinary display). Switch between two sources by pressing the switch button on the top panel of the switcher. In order to make sure that your display shows normally, it is highly suggested to plug the Micro USB cable into the USB device to power the switcher. Always remember that the switcher is not a bi-directional switcher. It can only be used from two sources to one display (only 2 in 1 out, not 1 in 2 out).

The device works well with Xbox or PlayStation5, achieving 4K@120hz on your televisions or relative monitors.

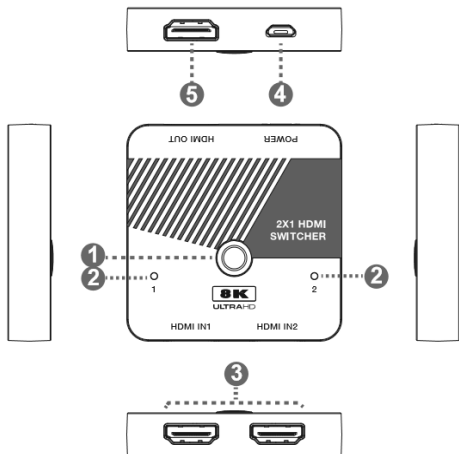
Features

- HDMI 2.1 and HDCP 2.3 compliant
- 48Gbps video bandwidth
- 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, and 4K@120Hz 4:4:4 10-bit video support
- HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through
- VRR, FVA, and ALLM
- HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- 2x1 switch output, auto-switch supported
- Built-in Equalizer and Driver
- Auto EDID management
- Compact design for easy and flexible installation

Package Contents

- 1 × 8K Two-Input HDMI Switcher
- 1 × Micro USB Power Cable
- 1 × User Manual

Operation Controls and Functions



No.	Name	Function Description
1	Switch button /Power LED	Short pressing the switch button will allow the device to switch any of the two HDMI input signals to the HDMI display; long press this button to enter the auto-switching mode . When the device is powered on, the green power LED is on.
2	Input LED (1~2)	When the HDMI IN1/2 port is selected as the input source channel, the corresponding green LED is on.
3	HDMI IN1/2 port	HDMI signal input ports, connect to HDMI source devices such as DVD or PS5 with an HDMI cable.
4	POWER	DC 5V USB power input port.
5	HDMI OUT port	HDMI signal output port connects to the HDMI display device such as televisions or monitors with an HDMI cable.

Notes:

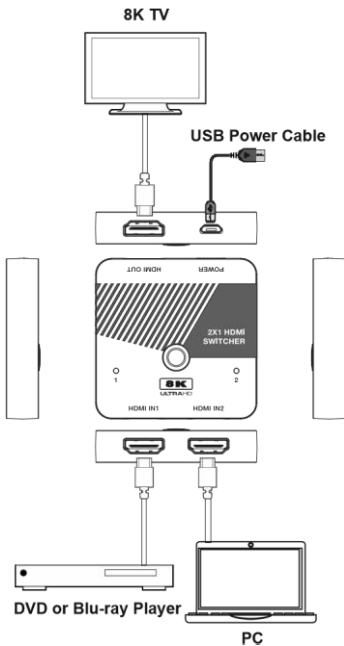
1. While using the HDMI switcher, a power supply via the Micro USB cable is not necessary, but in case some of your HDMI devices have insufficient power, please connect the Micro USB cable to your USB devices for power supply.
2. If you need to use the switcher to output signals of 4K@120Hz or 8K@60Hz, please make sure that your HDMI cable, HDMI signal source, and HDMI display all support the resolution above.
3. The length of the HDMI cables connected to both ends of the switcher should not be too long in order to prevent a flickering screen. The following HDMI cables are suggested:

8K60, 8K30, 4K120: Ultra HDMI2.1 cable, IN/OUT 2 meters.

4K60 4:4:4: HDMI2.0 cable, IN/OUT 3 meters.

4K60 4:2:0, 4K30, 1080P: HDMI cable, IN/OUT 5 meters.

Application Example



Specifications

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit
Color Depth	8-bit,10-bit,12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
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
Input Connection	
Input	2×HDMI IN [Type A, 19-pin female]
Output	1×HDMI OUT [Type A, 19-pin female]
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	60mm (W) × 60mm (D) × 12mm (H)
Weight	31g
Power Supply	USB 5V
Power Consumption	1.25W (Max)
Operation 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)

CUSTOMER SERVICE

The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problems with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website www.monoprice.com or via email at support@monoprice.com. Check the website for support times and links.

TECHNICAL SUPPORT

Monoprice™ is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website www.monoprice.com or through email by sending a message to tech@monoprice.com. Check the website for support times and links.

To download the latest drivers, firmware, manuals, etc., go to www.monoprice.com and type **44434** into the search bar. If available, support files are linked at the bottom of the product page.

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice for ISED Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



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