

HDMI V2.1 8K 2 Input Switcher

Operating Instructions



Features

- HDMI 2.1 and HDCP 2.3 compliant
- 48Gbps video bandwidth
- Supports resolutions 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
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- VRR, FVA, ALLM supported
- Supports HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio (see specifications for more information).
- 2x1 switch output, auto switch supported
- Built-in Equalizer and Driver
- Auto EDID management
- Compact design for easy and flexible installation

Overview

This switcher can switch any of 2 HDMI sources to 1 HDMI display. It supports video resolution up to 8K@60Hz 4:4:4, 48Gbps video bandwidth. It is suitable for outdoor display, video conference, security monitoring, home theater and other applications.

By using this HDMI 8K switcher, you are allowed to connect from HDMI IN1 and HDMI IN2 ports to two HDMI source devices via an individual HDMI cable, then connect from HDMI OUT port to your external monitor (such as HDMI projector, HDMI TV or HDMI ordinary display). You can 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, we suggest you to plug the Micro USB cable in the package into your USB device to power the switcher.

Please pay attention that this switcher is not a bi-directional switcher, you can only use from two sources to one display (only 2 in 1 out, not 1 in 2 out). It can work well with Xbox or PS5 to achieve 4K@120hz on your TVs or HDMI enabled monitors.

Box Contents

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

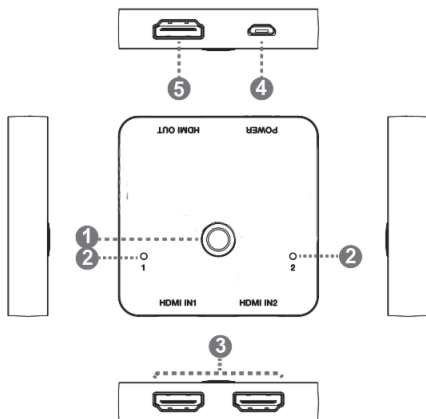
Notes

1. While using the HDMI switcher, power supply via Micro USB cable is not necessary. But in case some HDMI devices carrying insufficient power, please connect Micro USB cable to a USB 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 above resolution.
3. The length of the HDMI cables connected to both ends of the switcher should not be too long. Otherwise, it will easily cause the screen to flicker. 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.

Specifications

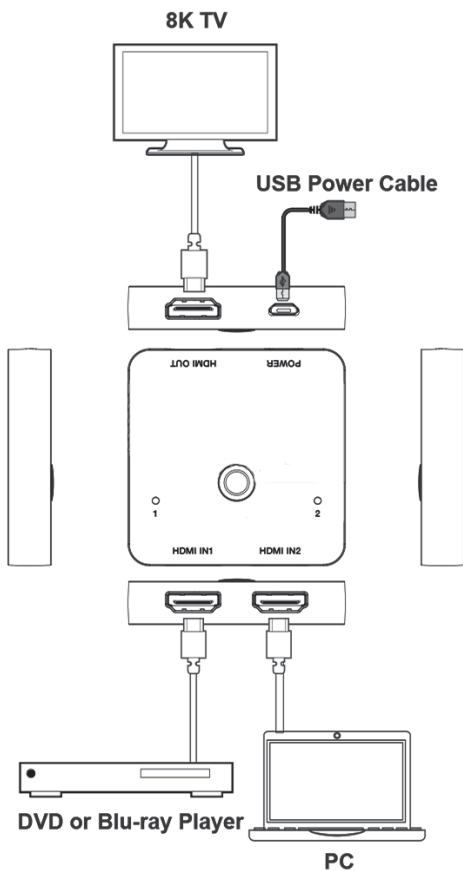
Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps
Video Resolution	Up to 8K@60Hz 4:4:4 8/10/12bit, 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Colour Depth	8-bit, 10-bit, 12-bit
Colour Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Connection	
Input Ports	2×HDMI IN Type A (19-pin female)
Output Ports	1×HDMI OUT Type A (19-pin female)
Mechanical	
Housing	Plastic Enclosure
Silkscreen Colour	Black
Dimensions (mm)	60W × 60D × 12H
Weight	31g
Power Supply	5V USB
Power Consumption	1.25W (Max)
Operation Temperature	-0°C to 40°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	20~90% RH (non-condensing)

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, connecting to HDMI source device 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, connecting to HDMI display device such as TV or Monitor with an HDMI cable.

Application Diagram



A 3104 48Gbps 2 Input HDMI Switcher

Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),

- a) Calling your nearest store location and quoting your tax invoice number.
- b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customers expense.
- c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.
- d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.
- e) Please quote the R.A. number in any correspondence to us.

2. FOR OVER THE COUNTER PURCHASES to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).

- a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.
- b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.

It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorised Altronics service centre, as this will invalidate the warranty!

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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