

# HDMI™ 2x1 Bi-directional Switcher



Model:  
**AC1814**



Please read and save all instructions to ensure safe and effective use of this product.

## Instruction Manual

## SAFETY INSTRUCTIONS

Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

## PRODUCT DESCRIPTION

This HDMI 2 ports bi-direction manual switches. It can easily switch two routes of 8K@60Hz UHD Source to any one UHD display or projector or distribute one 8K@60Hz 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.

## BOX CONTENTS

- HDMI 2x1 Bi-directional Switcher 8K@60Hz 4:4:4
- User Manual

## PRODUCT OVERVIEW



1. IN/OUT: Function as HDMI Input port in 1x2 splitter mode (not synchronously) and HDMI Output port in 2x1 switch mode
2. IN/OUT1-2: Function as HDMI Output port in 1x2 splitter mode (not synchronously) and HDMI Input port in 2x1 switch mode
3. Select Button: Pressing to select in/out port 1 and 2 at each mode
4. 1-2: in/out port 1 and 2 LED Indicator
5. Power LED Indicator

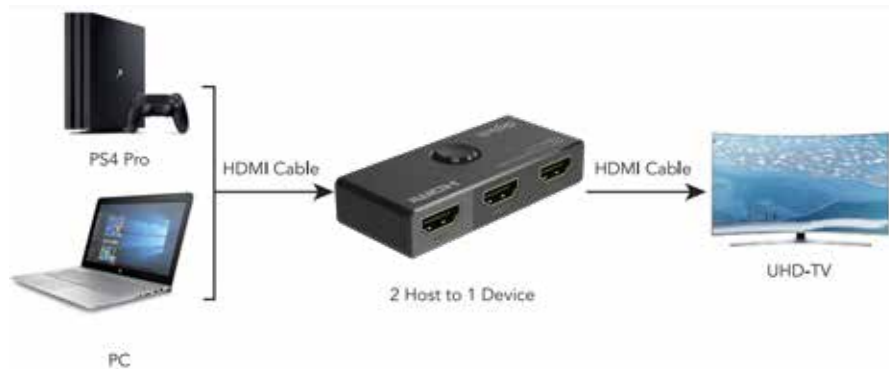
## FEATURES

- 2 HDMI-Host to 1 HDMI monitor
- 1 HDMI-Host to 2 HDMI monitors
- Support high definition resolution 8K@60Hz 4:4:4, 4K@120Hz and 1080P@240Hz
- Support 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- Support 12bit per channel (36bit all channels) deep color
- Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- Support High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- Support VRR (Variable Refresh Rate), ALLM (Auto Low-latency Mode), and QFT (Quick Frame Transport) function
- Support Consumer Electronics Control
- Support uncompressed audio such as LPCM
- Support compressed audio such as DTS, Dolby Digital - including DTS-HD Master Audio™ and Dolby TrueHD
- Easy installation & operation: plug and play

**NOTE: If you would like to output 8K@60Hz, 4K@120Hz and 1080P@240Hz via the switcher in your displays, please make sure your source devices, your cable and your monitors can all support the resolution and refresh rate you need to output before**

**NOTE: You need connect standard HDMI-compatible 2.1 cable to enjoy 8K visual effects**

## CONNECTION DIAGRAM



## TROUBLESHOOTING

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

First, please check the following items:

1. Ensure that your device's HDMI input device properly connected and power it on.
2. Check the HDMI port is selected correctly properly connected as using.

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

This may be caused by one or more of the following:

1. Make sure the HDMI cable and switcher are securely connected.
2. Ensure the HDMI is standard HDMI 2.1 cable and the length is under the switcher limited length 1.5 meters HDMI in and out at 8K/60Hz 4:4:4, 4K@60Hz can reach 4M in and 4m out.
3. Change to the another port to have a try of the display

### **The switcher can't output to two displays at the same time. Is it normal?**

Yes, the product is only a bi-directional switcher which can't out two displays synchronously. Manual select the most wanted display to show the picture at a time and press the select button to change the next display.

## SPECIFICATIONS

<b>Input Ports</b>	HDMI x 1 (1 in 2 out) / HDMI x 2 (2 in 1 out)
<b>Output Ports</b>	HDMI x 2 (1 in 2 out) / HDMI x 1 (2 in 1 out)
<b>Vertical Frequency Range</b>	50/60/100/120/240Hz
<b>Video Amplifier Bandwidth</b>	12Gbps/1200MHz per channel (48Gbps all channels)
<b>Interlaced(50&amp;60Hz)</b>	480i,576i,1080i
<b>Progressive(50&amp;60Hz)</b>	480p,576p,720p,1080p,4K@24/30Hz,4K@50/60/120Hz, 8K@24/30/50/60Hz
<b>Limited Warranty</b>	1 Year Parts and Labor
<b>Operating Temperature</b>	0°C to 70°C
<b>Storage Humidity</b>	5% to 90% RH non-condensation
<b>Power Supply</b>	N/A
<b>Power Consumption (Max)</b>	5W
<b>Switcher Unit Cert</b>	FCC, CE, RoHS
<b>Dimension(LxWxH)</b>	73.5x32x14.5mm
<b>Net Weight</b>	28g
<b>Material</b>	ABS
<b>User Manual</b>	English Version

**Note: Specifications are subject to change without notice.**

## WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

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 failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

Address 46 Eastern Creek Drive, Eastern Creek NSW 2766

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