

CONCORD



8K HDMI 4 Way Splitter

Instruction Manual

AC5008

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.

INTRODUCTION

This 1x4 splitter can distribute one HDMI source signal to any of four display devices. Video resolution is supported up to 8K@60Hz 4:2:0 12-bit. It supports data rates up to 48 Gbps to comply with HDMI 2.1 and HDCP 2.3 requirements. It includes several features for ease of integration, such as EDID management and cable equalisation. Resolution downscaling is also supported. It is an easy-to-use solution for HDMI installations, and it can transmit audio signals to any sound system with 5.1/2.0 CH.

This multifunctional product can be widely applied in scenarios such as demonstrations, video conferences, multimedia teaching, and other occasions.

BOX CONTENTS

- 1 × 8K HDMI 1x4 Splitter
- 1 × 5V/2A Power Supply
- 1 × User Manual

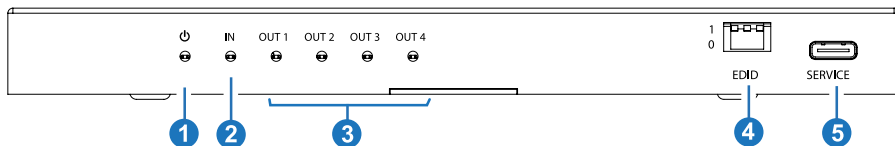
FEATURES

- HDCP 2.3 compliant
- Supports 48 Gbps FRL and 18 Gbps TMDS video bandwidth
- Supports resolutions up to 8K@60Hz 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit 8K@30Hz 4:4:4 12-bit, as specified in HDMI 2.1
- Supports VRR, ALLM, QMS, QFT, and SBTM
- Supports HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through
- Supports HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, Atmos, and DTS-HD Master Audio
- Supports resolution auto-downscaling and conversion on each output port
- Advanced EDID management

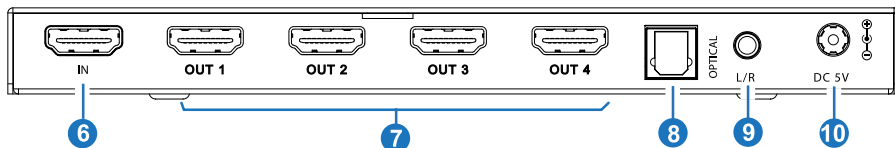
SURGE PROTECTION

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

PRODUCT DIAGRAM



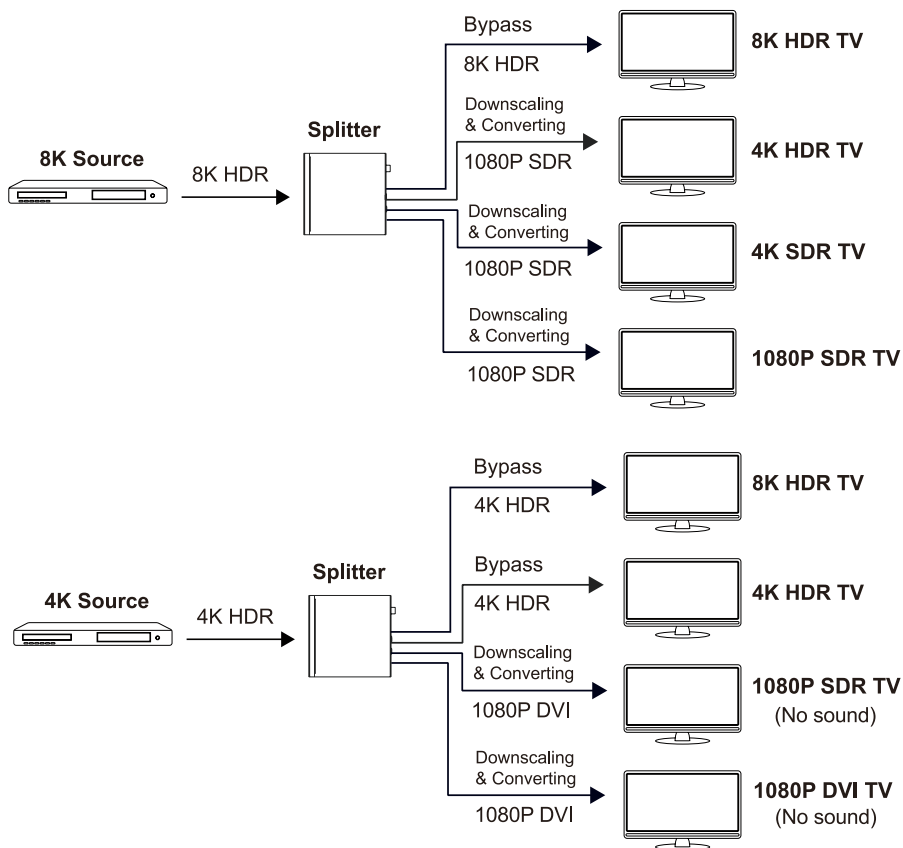
1. **POWER LED** - When the device is powered on, the red LED will be on.
2. **IN LED** - When the HDMI IN port connects an active source device, the green LED will be on.
3. **OUT LED (1~4)** - When the HDMI OUT 1/2/3/4 port connects a display device and outputs signal, the corresponding green LED will be on.
4. **EDID DIP switch** - Use the DIP switch to set EDID.
 - [DIP]=111: Copy OUT port sink EDID (as factory default)
 - [DIP]=110: 4K60(4:4:4), 2.0CH
 - [DIP]=101: FRL12G_8K_HDR, 2.0CH
 - [DIP]=100: FRL12G_8K_HDR, 5.1CH
 - [DIP]=011: FRL12G_8K_HDR, 7.1CH
 - [DIP]=010: FRL10G_8K_HDR, 2.0CH
 - [DIP]=001: FRL10G_8K_HDR, 5.1CH
 - [DIP]=000: FRL10G_8K_HDR, 7.1CH
5. **SERVICE** - Firmware update port.



6. **IN port** - HDMI signal input port, connecting to HDMI source device such as DVD or PS5 with an HDMI cable.
7. **OUT port (1~4)** - HDMI signal output port, connecting to HDMI display device such as TV or Monitor with an HDMI cable.
8. **OPTICAL** - Optical fiber audio output port.
9. **L/R** - Analog audio output port.
10. **Power port** - 5V/2A Power input port.

AUTO DOWNSCALING & AUTO CONVERTING

This 8K HDMI splitter supports automatic downscaling and conversion on all outputs. It will automatically output the correct HDMI signal according to the EDID of the display device. For this splitter, before downscaling, it compares the EDID of all connected display devices and selects the minimum resolution to downscale and output. For example:

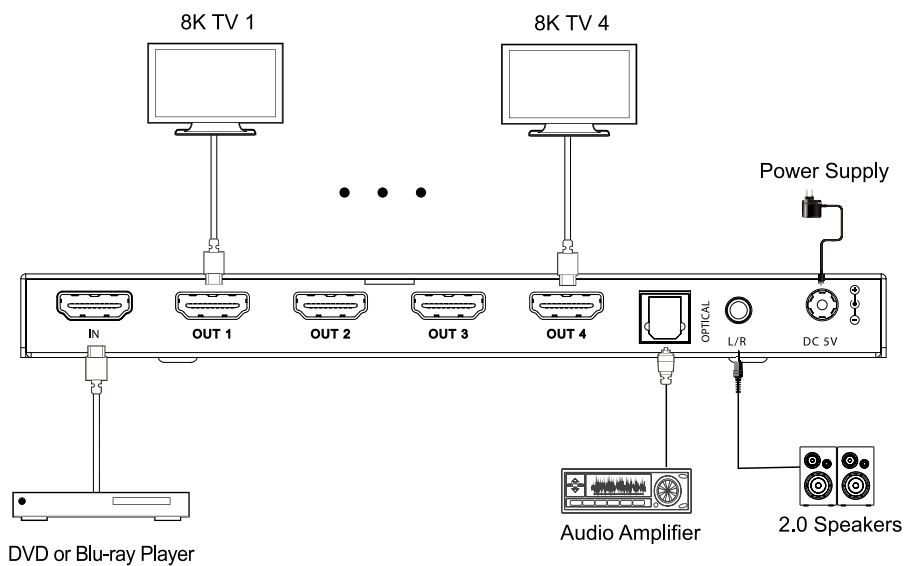


NOTE: When the source resolution is downscaled and converted to 1080p DVI based on the EDID of the connected display, the TV will display the video but without any sound.

Downscaling will not work in the following conditions:

1. The input source is 8K DSC format.
2. The input source resolution is not supported by the splitter.

APPLICATION EXAMPLE



SPECIFICATIONS

Technical	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3, HDCP 1.4
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit, 8K@30Hz 4:4:4 12bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	<p>HDMI input/output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD</p> <p>Audio de-embedding output: Optical: LPCM/ Dolby/ DTS 5.1CH Analog: LPCM 2CH</p>
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection				
Input	4 × HDMI IN [Type A, 19-pin female]			
Output	4 × HDMI OUT [Type A, 19-pin female] 1 × OPTICAL [S/PDIF] 1 × L/R [3.5mm Stereo Mini-jack]			
Control	1 × SERVICE [USB Type C, Update port]			
Mechanical				
Housing	Metal Enclosure			
Color	Black			
Dimensions	176mm [W] × 68mm [D] × 18mm [H]			
Weight	295g			
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)			
Power Consumption	6W (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)			
Recommended HDMI Cable				
Video Resolution	8K	4K60	4K24	1080P
HDMI Cable Length (HDMI In/Out)	3m/10ft (Ultra HDMI 2.1)	8m/26ft	12m/39ft	15m/49ft

The use of “Premium High Speed HDMI” cable is highly recommended.

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

Ph. 1300 738 555



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