

4K60 1x4 HDMI™ Extension Splitter

Operating Instructions



Overview

The 18Gbps HDMI 1×2 Splitter can distribute 1 HDMI input source to 2 HDMI display devices, with video resolution up to 4K2K@ 60Hz 4:4:4. It supports auto downscaling and advanced EDID management. Its video bandwidth is up to 18Gbps, achieving perfect transmission of HD signal without distortion. It can be widely used for video conference, multimedia teaching and other similar installations.

Features

- HDCP 2.3/1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth, as specified in HDMI 2.0b
- Support video resolution up to 4K2K@60Hz 4:4:4, and HDMI 3D audio format
- Support PCM, Dolby TrueHD, DTS-HD Master Audio up to 7.1CH
- Support auto downscaling
- Support CEC by-pass from IN to OUT1
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG
- Support EDID control, including STD (1080p) mode and TV (copy OUT1) mode

Package Contents

- 1× 18Gbps HDMI 1×2 Splitter
- 1× 5V/1A Multinational Power Supply
- 1× User Manual

Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3 / 1.4
DVI Compliance	DVI 1.0
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
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

Specifications (continued).

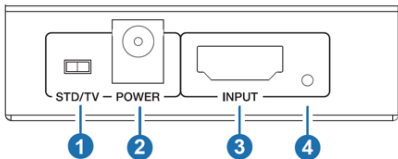
Audio Formats	LPCM 2.0/5.1/7.1CH, DD, DD+, DTS, Dolby
Sample Rate	44.1KHz/48KHz/88.2KHz/96KHz/176.4KHz/192KHz
ESD Protection	IEC 61000-4-2: $\pm 8\text{kV}$ (Air-gap discharge) & $\pm 4\text{kV}$ (Contact discharge)
Connection	
Input	1 $\times$ HDMI INPUT [Type A, 19-pin female]
Output	2 $\times$ HDMI OUTPUT [Type A, 19-pin female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	70mm (W) $\times$ 60mm (D) $\times$ 20.5mm (H)
Weight	118g
Power Supply	5V/1A
Power Consumption	1.41W (Max.)

Specifications (continued).

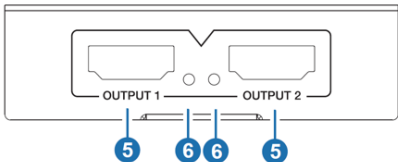
Operation Temperature	0°C ~ 40°C		
Storage Temperature	-20°C ~ 60°C		
Relative Humidity	20~90% RH (non-condensing)		
Recommended HDMI Cable			
Video Resolution	4K60	4K30	1080P
HDMI Cable Length (HDMI IN / OUT)	5m	10m	15m
The use of "Premium High Speed HDMI" cable is highly recommended.			

Operation Controls and Functions

Front Panel



Rear Panel

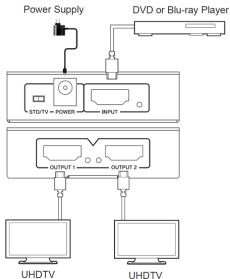


No.	Name	Function Description
1	STD/TV dial switch	Used to switch the EDID mode. STD: Fixed EDID of 1080p 2CH, physical address is copied from OUT1. TV: Copy EDID from OUT1 by default. If OUT1 is not connected, copy from OUT2.
2	POWER port	Connects to a DC 5V power supply.
3	INPUT port	Connects to an HDMI source device such as DVD or set-top box with HDMI cable.
4	INPUT LED	When the HDMI INPUT port connects an active source device, the red LED will be on.
5	OUTPUT port (1~2)	Connects to HDMI display devices such as TV or monitor with HDMI cable.
6	OUTPUT LED (1~2)	When the OUTPUT 1/2 port connects to a display device, the corresponding red LED will be on.

Note: This product supports auto downscaling on each output port, according to the available resolution of the connected display devices.

If the maximum resolution supported by the display device is lower than the input source signal, the input source will be downscaled to output, no matter what mode the EDID is.

Application Example



The terms HDMI, HDMI High-Definition Multimedia interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Warranty Statement

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:

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

- a. Ringing us on 08 9428 2122 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.

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.