

HR HALL RESEARCH

Model SP-HDMI-2A

HDMI Video Splitter - 1 input x 2 output

Allows display of HDMI A/V signal 2 HDTV Displays




UMA1102 Rev. C

**CUSTOMER
SUPPORT
INFORMATION**

Order toll-free in the U.S. 800-959-6439
FREE technical support, Call 714-641-6607 or fax 714-641-6698
Mail order: **Hall Research** 1163 Warner Ave. Tustin, CA 92780
Web site: www.hallresearch.com • E-mail: info@hallresearch.com

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1.0 General

Thank you for purchasing the 2-channel HDMI Video Splitter - Model SP-HDMI-2A. This device splits an HDMI audio/video source for display on two identical outputs. It supports HDTV resolutions to 1080p. It can drive each buffered output more than 12 meters (40 feet) on quality HDMI cable.

The device is a high-performance unit that digitally splits and buffers the input signal for a 100% perfect image and sound reproduction on both outputs.

2.0 Features

- Perfect solution for high-end home-theatre setups
- Splits an HDMI source to 2 outputs without loss
- Supports PC & HDTV resolutions, VGA to UXGA and HD from 480p to 1080p
- Can be cascaded up to 3 levels
- Small compact size
- LED for power-on indication
- Each of the buffered outputs can run up to 12 meters (40 feet) at 1080i/1080p depending on color depth
- Plug and play installation – takes minutes to setup
- Bandwidth of 2.25 Gbps (Giga bits / second) for sharp digital image
- HDMI1.3, HDCP 1.1, and DVI1.0 Compliant
- Deep Color (Up to 12-bit)
- High bit-rate digital audio - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio
- Dolby Digital, DTS digital audio transmission (32-192 kHz)
- Supports xvYCC Color Space (IEEC 61966-2-4)
- CEC Bypass
- EDID Pass-through

3.0 Package Contents

- One SP-HDMI-2A HDMI Splitter unit
- One Power Supply
- This User's Manual



Note: Cables not supplied with this unit. Please order those separately

4.0 Controls, Functions, and Indicators



Front Panel



Rear Panel

Input Power Indicator

The unit does not have an on-off button. The power indicator is illuminated when power is applied to the unit.

HDMI Video Input and Outputs #1 & #2

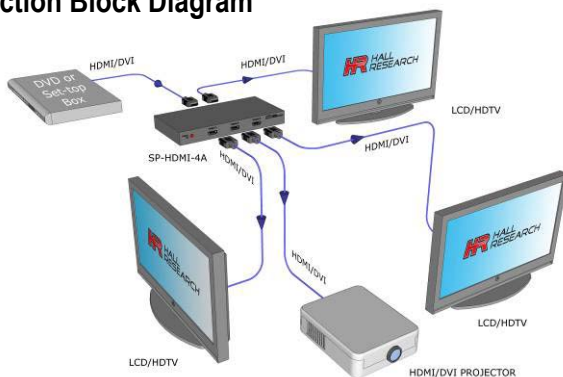
All video connectors are located on the rear panel. You must have at least one display connected to output #1

DC Input Power Jack

Plug the included power supply to this jack. The LED on the front panel will illuminate indicating power has been applied.

NEVER SUBSTITUTE ANY OTHER POWER SUPPLY AS THIS CAN DESTROY THE UNIT.

8.0 Connection Block Diagram



5.0 Cascading (daisy-chaining) to expand # of outputs

You can use either output (#1 or #2) to connect the splitter to another SP-HDMI-2A to expand the # of outputs. This can be done to a maximum of 3 levels deep.

6.0 Contacting Hall Research and Shipping/Packaging

Contact the Hall Research Technical Support Department at 714-641-6607, via email or web.

Before you do, make a record of the history of the problem.

We will be able to provide more efficient and accurate assistance if you have a complete description.

If you need to ship your converter for repair, make sure to get a Return Material Authorization (RMA) number first.

7.0 Specifications

Bandwidth	2.25 Gbps (Giga bits / second) (Single Link)
Resolutions	Output resolution is the same as input resolution. <u>Supported PC Resolutions</u> VGA - SVGA - XGA - SXGA - UXGA (1600x1200) <u>Supported Component (YPbPr) Resolutions</u> 480i - 480p - 720p - 1080i - 1080p
Input Port	1x HDMI Female Locking Connector (Type A)
Output Ports	2x HDMI Female Locking Connector (Type A)
Temperature	Operating: 32 to 122°F (0 to 50°C); Storage: -40 to +185°F (-40 to +85°C)
MTBF	95,000 hours (calculated estimate)
Power	From utility-power (mains) outlet through included external power supply. Voltage: 5 V DC Center-Positive >= 1000 mA
Size	1.0" High x 5.0" Wide x 3.0" Deep
Weight	1.1 lbs (17 Ounces)





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