



Hall Research Technologies, Inc.

## Model SP-HDMI-4A

### HDMI Video Splitter - 1 input x 4 output

Splits and boosts your digital HDMI A/V signal for display on 4 HDTVs




SP-HDMI-4A User's Manual

UMA1103 Rev. n/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 Technologies**, 1163 Warner Ave. Tustin, CA 92780  
Web site: [www.hallresearch.com](http://www.hallresearch.com) • E-mail: [info@hallresearch.com](mailto:info@hallresearch.com)

### Trademarks Used In this Manual

Hall Research, HRT, and  (logo) are trademarks of Hall Research Technologies, Inc. *HDMI is a registered trademark of HDMI Licensing LLC. Any other trademarks mentioned in this manual are properties of the trademark owners.*

### 1.0 General

Thank you for purchasing Hall Research Technologies' Model SP-HDMI-4A 4-channel HDMI Video Splitter. This device is used to split an HDMI audio/video source for display on 4 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 all outputs.

### 2.0 Features

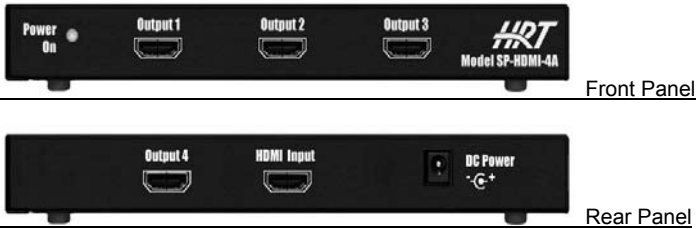
- Perfect solution for high-end home-theatre setups
- Splits an HDMI source to 4 outputs without loss
- Supports PC & HDTV resolutions, VGA to UXGA and 480p to 1080p
- Allows each output to work independently when connected to different HDTV displays
- Can be cascaded up to 3 levels
- Can be used to split a DVI source for DVI displays by using HDMI-to-DVI adapter cables
- Small compact size
- LED for power-on indication
- Each of the buffered outputs can run up to 12 meters (40 feet) at 1080i
- Plug and play installation – takes minutes to setup
- Bandwidth of 1.65 Gbps (Giga bits / second) for sharp digital image
- HDMI1.1, HDCP 1.1, and DVI1.0 Compliant

### 3.0 Package Contents

- One SP-HDMI-4A HDMI Splitter unit
- One Universal Switching Power Supply
- This User's Manual

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

## 4.0 Controls, Functions, and Indicators



### Input Power Indicator

The unit does not have an on-off button. This light comes on as soon as you plug in the power adapter.

### Outputs 1 through 3

These outputs are located on the front panel as shown

### HDMI Input and Output #4

These connectors are located on the rear panel to keep the unit size as small as possible

### DC Input Power Jack

Plug the included power supply to this jack. The LED on the front panel should come on indicating power is on. NEVER SUBSTITUTE ANY OTHER POWER SUPPLY AS THIS MAY (and probably will) DESTROY THE UNIT.

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

You can use Output #4 to connect the splitter to another SP-HDMI-4A to expand the # of outputs.

## 6.0 Contacting Hall Research and Shipping/Packaging

Contact HRT Support at 714-641-6607 or 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

<b>Bandwidth</b>	1.65 Gbps (Giga bits / second)
<b>Resolutions</b>	Output resolution is the same as input resolution. <b><u>Supported PC Resolutions</u></b> VGA - SVGA - XGA - SXGA - UXGA (1600x1200) <b><u>Supported Component (YPbPr) Resolutions</u></b> 480p - 576p - 720p - 1080i - 1080p
<b>Temperature</b>	Operating: 32 to 122°F (0 to 50°C); Storage: -40 to +185°F (-40 to +85°C)
<b>MTBF</b>	95,000 hours (calculated estimate)
<b>Power</b>	From utility-power (mains) outlet, through included external power supply. Voltage: 5 V DC Center-Positive 2600 ma
<b>Size</b>	0.85" High x 7.5" Wide x 3.75" Deep
<b>Weight</b>	1.1 lbs (17 Ounces)

## 8.0 Connection Block Diagram

