


# 1x2 4K HDMI Splitter with HDCP 2.2 Encryption

## SP-0102-H2

Pure HDMI 1x2 splitter switch with support for full 4K resolutions and HDCP 2.2.

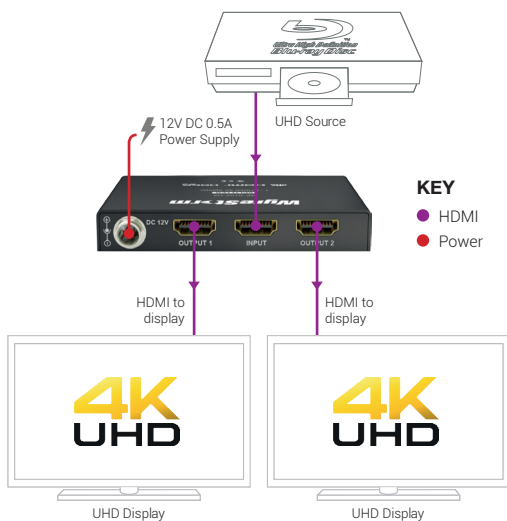
 WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



### In the Box

- 1x SP-0102-H2 Splitter
- 1x 12V DC 0.5A Power Supply
- 2x Mounting Brackets
- 1x Quickstart Guide (This Document)

### Basic Wiring Diagram



### IMPORTANT!

Disconnecting and connecting (hot plugging) HDMI or HDBaseT while devices are powered on may cause damage. WyreStorm recommends powering off devices before disconnecting these connections.

### Additional Information

This Quickstart Guide provides the basic steps for the common uses of this product. Refer to the Installation Guide and other documentation on the product page for additional information.

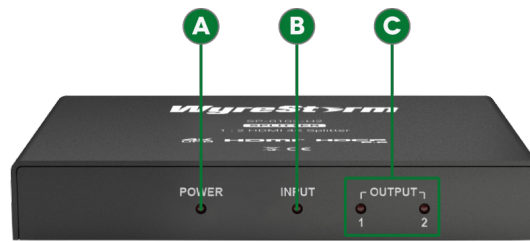
### Before Beginning

- WyreStorm recommends visiting the product page before installing this product for updates to this Quickstart Guide as well as other information about the product.
- Verify that all items are included in the packaging per the [In the Box](#) list.

### Installation

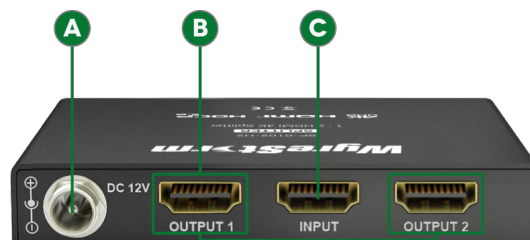
1. Connect an HDMI source to the **HDMI In** on the splitter using an HDMI cable from a high quality brand such as [WyreStorm Express](#).
2. Connect HDTV displays to **Output 1** using an HDMI cable from a high quality brand such as [WyreStorm Express](#).
3. Repeat step 2 for additional displays or additional splitters.
4. Connect the included 12V DC 0.5A power supply to the **DC 12V** jack.

## Front Panel



- |                      |   |
|----------------------|---|
| <b>A</b> Input LED   | <b>Solid:</b> HDMI source is connected and powered On.<br><b>Off:</b> HDMI source is not connected or is powered Off. |
| <b>B</b> Output LEDs | <b>Solid:</b> Display is connected and powered On.<br><b>Off:</b> Display is not connected or is powered Off.         |
| <b>C</b> Power LED   | <b>Solid:</b> The splitter is powered On<br><b>Off:</b> The splitter is powered Off                                   |

## Rear Panel



- |                       |   |
|-----------------------|---|
| <b>A</b> Power In     | 5.5mm Male Barrel Jack<br>Connect to the included 12V DC 0.5A Power Supply.   |
| <b>B</b> HDMI Outputs | 19-pin type A HDMI female:<br>Supports HDMI and DVI/D (requires adapter-not included). Limited to 600MHz pixel clock. |
| <b>C</b> Input        | 19-pin type A HDMI female:<br>Supports HDMI and DVI/D (requires adapter-not included). Limited to 600MHz pixel clock. |

## HDMI Wiring



### IMPORTANT! Wiring Guidelines

- The use of patch panels, wall plates, cable extenders, kinks in cables, and electrical or environmental interference can have an adverse effect on HDMI transmission limiting performance. Steps should be taken to minimize these factors (or remove completely) during installation for best results.
- WyreStorm recommends using HDMI cables from a high quality brand such as [WyreStorm Express](#).
- Active HDMI cables or extenders must be used for distances greater than 10m between the splitter and connected devices in order to maintain the highest level of video performance.

## EDID Settings

EDIDs can be configured to resolve issues with video output on displays that may not accept the maximum resolution available from the source.

1. Connect the lowest resolution display to Output
2. Power on the Display.
3. Power on the Splitter.

The EDID from the display on Output 1 will be used for the source to allow for output on all displays.

## Specifications

Audio and Video	
Inputs	1x HDMI 19-pin type A
Outputs	2x HDMI 19-pin type A
Audio Formats	2ch PCM   Up to DTS-X and Dolby Atmos
Video Resolutions (Max)	<b>HDMI</b>
	1920x1080p @60Hz 12bit (15m/49.2ft)   16bit (15m/49.2ft)
	3840x2160p @30Hz 4:4:4 8bit (15m/49.2ft)   @24Hz 4:2:0 HDR 10bit (15m/49.2ft) 4096x2160p @60Hz 8bit 4:2:0 (15m/49.2ft)   @60Hz 8bit 4:4:4 (3m/9.8ft)
Color Depth	1080p: 48bit   4K UHD: 24bit   HDR @24p: 10bit BT.2020
Maximum Pixel Clock	HDMI: 600mHz
Communication and Control	
HDMI	HDMI 2.0   HDCP 2.2   EDID   DVI/D supported with adapter (not included)
Power	
Power Supply	Input: 100~240V AC 50/60Hz   Output: 12V DC 0.5A
Max Power Consumption	3.7W
Environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing
Storage Temperature	-4°F ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing
Maximum BTU	12.62 BTU/hr
Dimensions and Weight	
Rack Units	0.34U
Height	15mm/0.6in
Width	100mm/3.94in
Depth	70.2mm/2.77in
Weight	0.2kg/0.44lbs
Regulatory	
Safety and Emission	CE   FCC

## Troubleshooting

### No or Poor Quality Picture (snow or noisy image)

- Verify that power is being supplied to the splitter, sources, and display devices.
- Verify that the splitter supports the output resolution of the source.
- Verify that the splitter and display devices support the output resolution of

the source.

- Configure [EDID Settings](#) to a lower resolution.
- If transmitting 3D or 4K, verify that the HDMI cables used are 3D or 4K rated.

### Troubleshooting Tips:

- WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

## Warranty Information

This product is covered by a 2 year limited parts and labor warranty. During this period there will be no charge for unit repair, component replacement or complete product replacement in the event of malfunction. The decision to repair or replace will be made by the manufacturer. This limited warranty only covers defects in materials or workmanship and excludes normal wear and tear or cosmetic damage. Visit the product page located at [wyrestorm.com](http://wyrestorm.com) for additional information on this product including important technical information not provided in this document and warranty terms & conditions.

