4K60 1:8 HDMI Splitter
SP-0108-SCL

WyreStorm

Quickstart Guide

💡 WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.
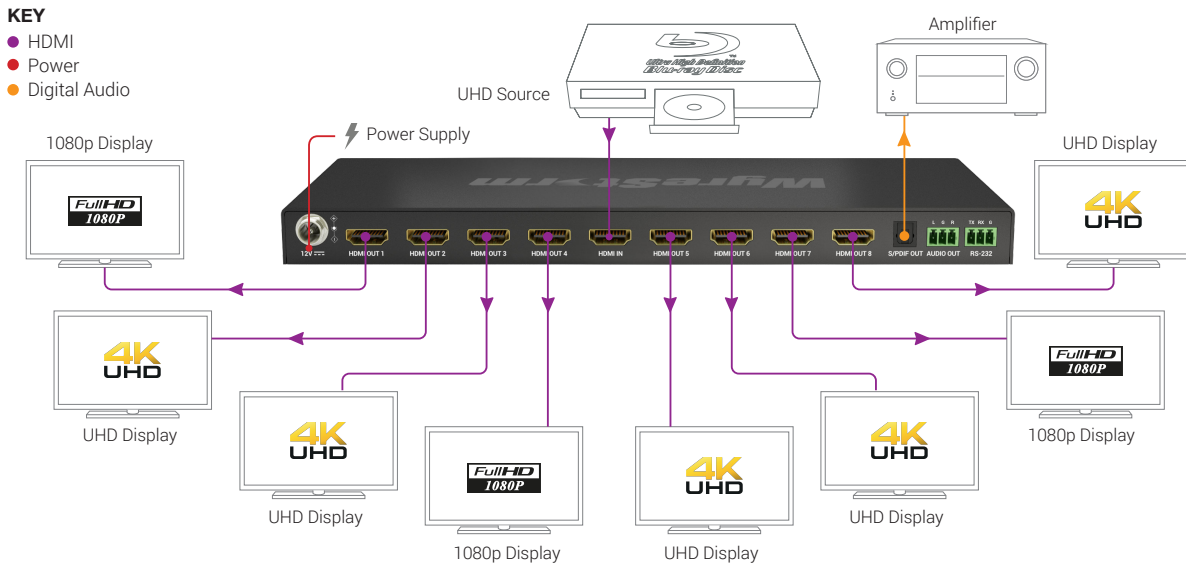
2160p 4:4:4 60 **4K HDR** **HDMI** **HDCP 2.2**

⚠️ **IMPORTANT! Installation Requirements**

- Read through the Wiring and Connections section for important wiring guidelines before creating or choosing premade cables.
- While this product supports CEC, WyreStorm cannot guarantee compatibility with all forms of CEC communication.
- Visit the product page to download the latest firmware, document version, additional documentation, and configuration tools.

In the Box

1x SP-0108-SCL Splitter
1x DC 12V PSU (US/UK/EU/AU)
2x 3-Pin Terminal Block
2x Wall Mounting Brackets (with Screws)
1x Quickstart Guide (This Document)

Basic Wiring Diagram

KEY
- ● HDMI
- ● Power
- ● Digital Audio

1080p Display · Power Supply · UHD Source · Amplifier · UHD Display · UHD Display · UHD Display · 1080p Display · UHD Display · 1080p Display · UHD Display · UHD Display

Troubleshooting

No or Poor Quality Picture (snow or noisy image)
- Verify that power is being supplied to the device.
- Verify that all HDMI connections are not loose and are functioning properly.
- Verify that the output resolution of the source and display is supported by this device.
- Configure EDID Settings to a lower resolution.
- If transmitting 4K, verify that the HDMI cables used are 4K rated.

No or Intermittent 3rd party Device Control
- Verify that the RS-232 cables are properly terminated.

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

Warranty Information

WyreStorm Technologies ProAV Corporation warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.
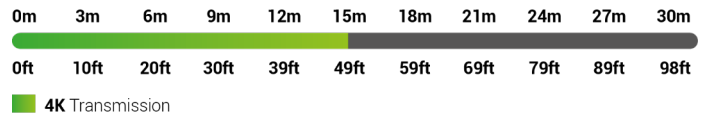
5 YEAR WARRANTY

Wiring and Connections

WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the switcher. Read through this section in its entirety before running or terminating any wires to ensure proper operation and to avoid damaging the equipment.

⚠ **IMPORTANT! Wiring Guidelines**

- The use of patch panels, wall plates, cable transmitters, kinks in cables, and electrical or environmental interference will have an adverse effect on signal transmission which may limit performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends using pre-terminated HDMI cables due to the complexity of these connector types. Using pre-terminated cables will ensure that these connections are accurate and will not interfere with the performance of the product.

HDMI Cable Performance Guide

0m	3m	6m	9m	12m	15m	18m	21m	24m	27m	30m
0ft	10ft	20ft	30ft	39ft	49ft	59ft	69ft	79ft	89ft	98ft

🟩 **4K** Transmission

Note: HDMI signal transmission distance can be increased to up to 50m/164ft by using WyreStorm's Hybrid Active Optical cables.

Communication Connections

3-Pin Analog Audio

WyreStorm Connector			3rd Party Device
Pin 1	L (Left Signal)	---> To --->	Left Signal (L+)
Pin 2	G (Ground)	---> To --->	L-/R- (Grounds)
Pin 3	R (Right Signal)	---> To --->	Right Signal (R+)

RS-232 Wiring

The SP-0108-SCL uses a 3-pin RS-232 with no hardware flow control. Most control systems and computers are DTE where pin 2 is RX, this can vary from device to device. Refer to the documentation for the connected device for pin functionally to ensure that the correct connections can be made.

WyreStorm Connector			3rd Party Device
Pin 1	TX (Transmit)	---> To --->	RX (Receive)
Pin 2	RX (Receive)	---> To --->	TX (Transmit)
Pin 3	G (Ground)	---> To --->	G (Ground)

EDID Management

This device equips a 4-pin DIP switch for EDID management, including copy mode, fixed mode and customized mode. The DIP Switch settings and the corresponding functions are as follows:

	EDID	Descriptions
	Copy mode (Default)	Default: Copy output 1. Users can use EDID COPY buttons or API commands to copy EDID of the displays connected with any output port in this mode.
	Fixed EDID: 4K@60Hz 4:4:4 7.1CH with HDR	Support HLG and HDR10; Support PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X.
	Fixed EDID: 4K@60Hz 4:4:4 5.1CH with HDR	Support HLG and HDR10; Support PCM 2.0/5.1, Dolby Digital and DTS 5.1.
	Fixed EDID: 4K@60Hz 4:4:4 2.0CH with HDR	Support HLG and HDR10; Support PCM 2.0 only.
	Fixed EDID: 4K@60Hz 4:2:0 7.1CH with HDR	Support HLG and HDR10; Support PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
	Fixed EDID: 4K@60Hz 4:2:0 5.1CH with HDR	Support HLG and HDR10; Support PCM 2.0/5.1, Dolby Digital and DTS 5.1.
	Fixed EDID: 4K@60Hz 4:2:0 2.0CH with HDR	Support HLG and HDR10; Support PCM 2.0 only.
	Fixed EDID: 1080P@60Hz 7.1CH	Support PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X.

	EDID	Descriptions
	Fixed EDID: 1080P@60Hz 5.1CH	Support PCM 2.0/5.1, Dolby Digital and DTS 5.1.
	Fixed EDID: 1080P@60Hz 2.0CH	Support PCM 2.0 only.
	Fixed EDID: 1080i@60Hz 7.1CH	Support PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
	Fixed EDID: 1080i@60Hz 5.1CH	Support PCM 2.0/5.1, Dolby Digital and DTS 5.1.
	Fixed EDID: 1080i@60Hz 2.0CH	Support PCM 2.0 only.
	Fixed EDID: DVI 1920x1200@60 no audio	No audio
	Fixed EDID: DVI 1280x1024@60 no audio	No audio
	Customized EDID	Users can upload their own EDID files through API commands or PC tools. If no EDID is uploaded, a default EDID (4K@60Hz 4:4:4 7.1ch with HDR/HLG support) will be used in this mode.

Downscaler Settings

Downscaler dipswitches 1-8 correspond to HDMI outputs 1-8 respectively.
Up Position: The down scaler of the corresponding output is off.
Down Position: The down scaler of the corresponding output is on (default).