WyreStorm Essentials 4K HDR 4x1 HDMI Switcher with Auto-Switching, HDCP 2.2 & Remote

EXP-SW-0401-H2

WyreStorm Essentials

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.

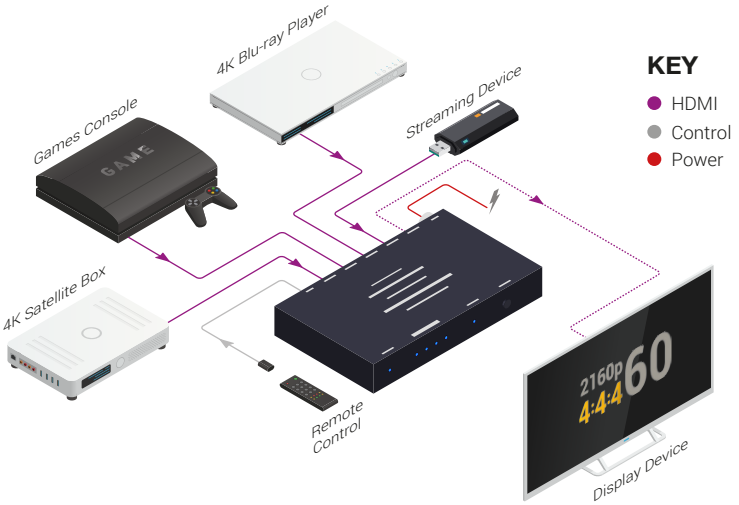
IMPORTANT! Installation Requirements

- Visit the product page to download the latest firmware, document version, additional documentation, and configuration tools.
- Read through the Wiring and Connections section for important guidelines before creating or choosing premade cables.

In The Box

1x EXP-SW-0401-H2 Switcher
1x 12V DC Power Supply (US/UK/EU/AU)
2x Mounting Brackets
1x IR Remote Control
1 x IR Receiver Cable

Basic Wiring Diagram



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 the wires to ensure proper operation and to avoid damaging equipment.

IMPORTANT! HDMI Wiring Guidelines

- The use of patch panels, wall plates, cable extenders, kinks in cables, and electrical or environmental interference will have an adverse effect on HDMI transmission limiting performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends using high quality HDMI cables such as WyreStorm Essentials to ensure the highest content performance available.

Installation and Operation

1. Connect HDMI sources to the HDMI IN ports using a good quality HDMI cable.
2. Connect an HDMI display devices to the HDMI OUT port of the switcher.

Note: The switcher is powered via mains power supply to the unit. WyreStorm recommend using only power adapter supplied.

3. Turn the power on ensuring LED power indicators are fully lit on the front of the switcher. If not, check power cable is firmly connected.

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Troubleshooting

No or Poor Quality Picture (snow or noisy image)

- Verify that power is being supplied to all devices in the system and that they are powered on.
- Verify that all HDMI connections are not loose and are functioning properly.
- If transmitting 3D or 4K, verify that the HDMI cables used are 4K rated.

Troubleshooting Tips:

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

Specifications

Audio and Video		
Inputs	4x HDMI In: 19-pin type A	
Outputs	1x HDMI Out: 19-pin type A	
Video Encoding	HDMI | TMDS	
Encoding Data Rate	NA	
End to End Latency	NA	
Audio Formats	2ch PCM | Multichannel: LPCM and up to DTS-X and Dolby Atmos	
Video Resolutions (Max)	**Resolution**	**HDMI**
	1920x1080p @60Hz 16bit	7m/23ft
	3840x2160p @60Hz 8bit 4:4:4 HDR	3m/12ft
	4096x2160p @60Hz 12bit 4:2:2 Dolby Vision/HDR10	3m/12ft
Supported Standards	DCI | RGB | HDR | HDR10 | Dolby Vision | HLG | ALLM | VRR | BT.2020 | BT.2100	
Maximum Pixel Clock	600MHz	
Color Depth	12bit	
Communication and Control		
HDMI	HDCP 2.2 | EDID | DVI-D supported with adapter (not included)	
IR	1x IR Ext. Port	
Push Button	Front Panel Push Button	
Power		
Power Supply	12V DC 1A	
Max Power Consumption	3.2W	
Environmental		
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing	
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing	
Maximum BTU	10.92 BTU/hr	
Dimensions and Weight		
Rack Units/Wall Box	<1U	
Height	16mm/0.62in	
Width	175mm/6.9in	
Depth	66.2mm/2.6in	
Weight	0.25kg/0.55lbs	
Regulatory		
Safety and Emission	CE | FCC | RoHS | EAC | RCM	

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.