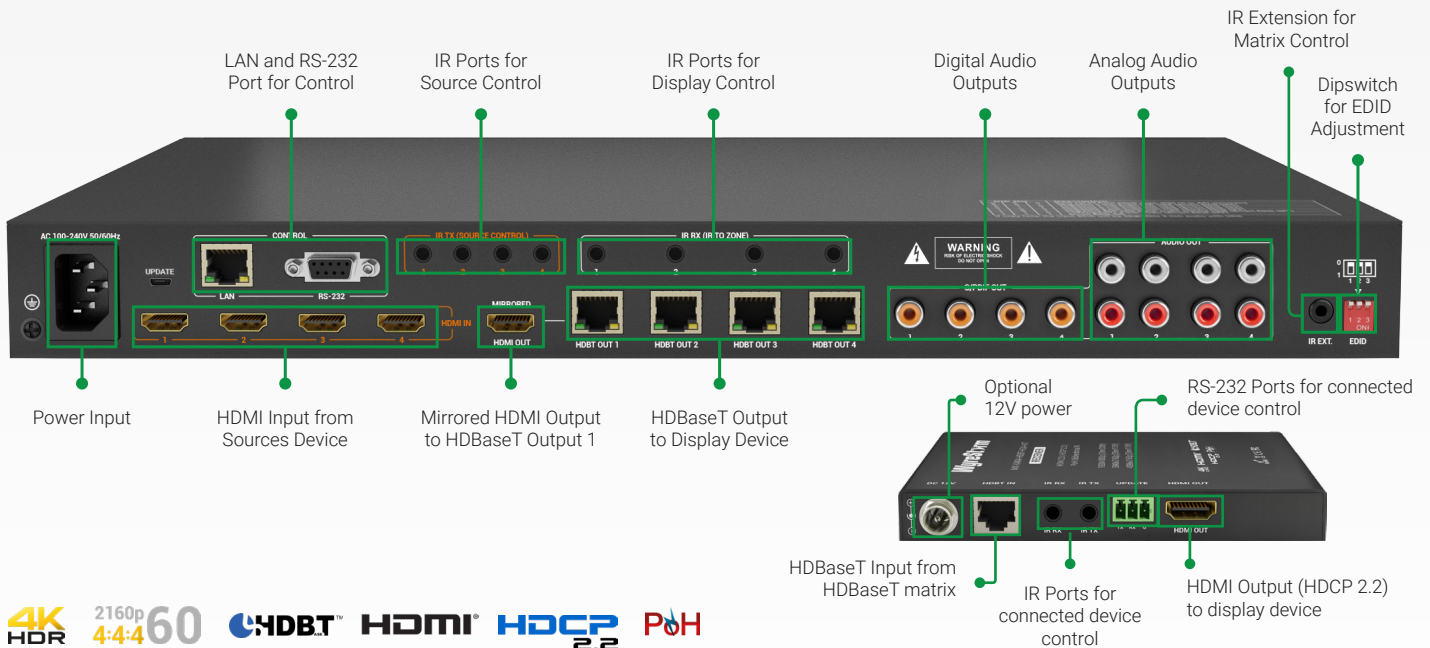


4x4 4K HDR HDBaseT Matrix Kit with HDCP 2.2

MXV-0404-H2A-KIT



WyreStorm - Because the Technology Matters.

Introduction

The latest in WyreStorm's H2 matrix line up gets an upgrade in the form of WyreStorm's light compression technology meaning the MXV-0404-H2A-KIT can handle HDMI content up to 4K/60 4:4:4 including HDR. CEC triggering for connected screens and A/V mute function enhances the offering for the modern home or commercial installation. The MXV-0404-H2A-KIT also lets you do even more with your audio with internal audio switching allowing de-embedded audio via S/PDIF and analog stereo ports offering audio breakout from source or HDBaseT output.

Key Features

- 4x4 HDBaseT™ 4K matrix switcher supporting:
 - Content up to 4K/60 4:4:4 & RGB 8-bit
 - The latest HDR standards, including HDR-10, HLG and Dolby Vision.
 - HDCP 2.2 encryption technology ensuring compatibility with the latest 4K UHD content and sources
 - HD Multichannel audio up to DTS:X and Dolby Atmos to all outputs
- HDMI Inputs HDBaseT outputs and mirrored HDMI port supports bandwidths of up to 18Gbps
- Capable of transmitting content to 35m/115ft over Cat6 cable or 1080p/60Hz to 70m/230ft over HDBaseT using light compression
- Automatic (signal sensing) or manual (API operated) CEC power triggering of all connected screens or projectors (CEC compatibility required)
- Assignable audio outputs allow audio to be de-embedded from sources or HDBaseT™ output via mirrored stereo RCA and S/PDIF ports
- Mirrored HDMI output allows connection of a local AVR, local screen or additional display over distance via an HDBaseT™ extender or hybrid optical HDMI cable
- API triggered A/V mute allows a signal to be deactivated to any zone.
- 4x PoH receivers included - a complete kit for quicker, easier and more reliable installation and AV distribution straight out of the box
- HDBaseT™ technology handles video, audio, bidirectional IR and PoH to display zones along a single Cat6 cable
- Can be combined with WyreStorm EXP-CON-DAC-D digital audio converter to downmix Dolby Digital 5.1 content to mix stereo and surround sound zones
- SmartEDID™ removes conflict when mixing 1080p & 4K displays by dynamically detecting display/source capabilities and automatically requesting the highest possible resolution for all displays
- Additional EDID management through DIP switches for global setting or via WebUI for independent management of EDID per source
- Flexible control options – front panel buttons, infrared remote control, local IR, RS-232, Telnet or WebUI
- Central RS-232 control compatible with WyreStorm Enado and other major third party control systems with full integration protocols available for Crestron, AMX, RTI & Control4
- Embedded WebUI allows installer setup and configuration and provides switching interface

In the Box

- 1x MXV-0404-H2A-KIT Matrix
- 4x MXV-0404-H2A-KIT Receivers
- 1 x AC Power Cord with EU pins
- 1 x AC Power Cord with US pins
- 1 x AC Power Cord with UK pins
- 1 x AC Power Cord with AU pins
- 1x IR Remote

- 4x IR Emitter
- 4x IR Receiver
- 1x IR Receiver for Matrix IR Ext.
- 2x Matrix Mounting Brackets with screws
- 8x Receiver Mounting Brackets with screws (2 per RX)
- 1x Quickstart Guide

Specifications

	Matrix	Receiver		
Audio and Video				
Inputs	4x HDMI In: 19-pin type A	1x HDBT In: 8-pin RJ-45 Female		
Outputs	4x Audio Out: RCA Female Stereo (L/R) 4x S/PDIF Out: RCA Female 4x HDBT Out: 8-pin RJ-45 Female	1x HDMI Out: 19-pin type A		
Output Video Encoding	HDBaseT Class B			
Encoding Data Rate	9.2Gbps			
End to End Latency (Max)	10µs (micro seconds)			
Audio Formats	Analog: 2ch Analog S/PDIF: 2ch LPCM Dolby Digital/DTS up to 5.1ch HDMI: 2ch LPCM Multichannel up to Dolby Atmos and DTS-X			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	40m/131ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	40m/131ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft Input 15m/49ft Output	35m/115ft	40m/131ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:4:4	3m/10ft	35m/115ft	40m/131ft
	Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference			
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDMI: 600MHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDMI 2.0 HDCP 2.2 EDID CEC DVI/D supported with adapter (not included)			
HDBaseT	HDMI 2.0 HDCP 2.2 EDID CEC 1-way PoH Bidirectional IR			
CEC	CEC power triggering for connected screens – Requires CEC compatibility			
IR	1x IR Ext: 3.5mm (1/8in) TRS Stereo 4x IR RX: 3.5mm (1/8in) TRS Stereo 4x IR TX: 3.5mm (1/8in) TS Mono Bidirectional over HDBaseT	1x IR TX: 3.5mm (1/8in) TS Mono 1x IR RX: 3.5mm (1/8in) TRS Stereo Bidirectional over HDBaseT		
RS-232	1x RS-232: 9-pin DB9 Female	1x RS-232: 3-pin Terminal Block - 3.5mm		
Ethernet	1x LAN: 8-pin RJ-45 Female	N/A		
Power				
Power Supply	100~240V AC 50/60Hz	18V DC (Optional)		
PoH	1-way Matrix to Receiver			
Max Power Consumption	85W with 4 RXs connected via PoH	8W with External PSU each receiver 12.5W via PoH each receiver		
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/hr	290 BTU/hr	28 BTU/hr with External PSU each receiver 43 BTU/hr via PoH each receiver		
Dimensions and Weight				
Rack Units/Wall Box	1U	<1U		
Height	43.5mm/1.72in	15.2mm/0.6in		
Width	440mm/17.33in	136.4mm/5.38in		
Depth	300mm/11.82in	74.2mm/2.93in		
Weight	4.06kg/8.93lbs	0.24kg/0.53lbs		
Regulatory				
Safety and Emission	CE FCC RoHS RCM			

