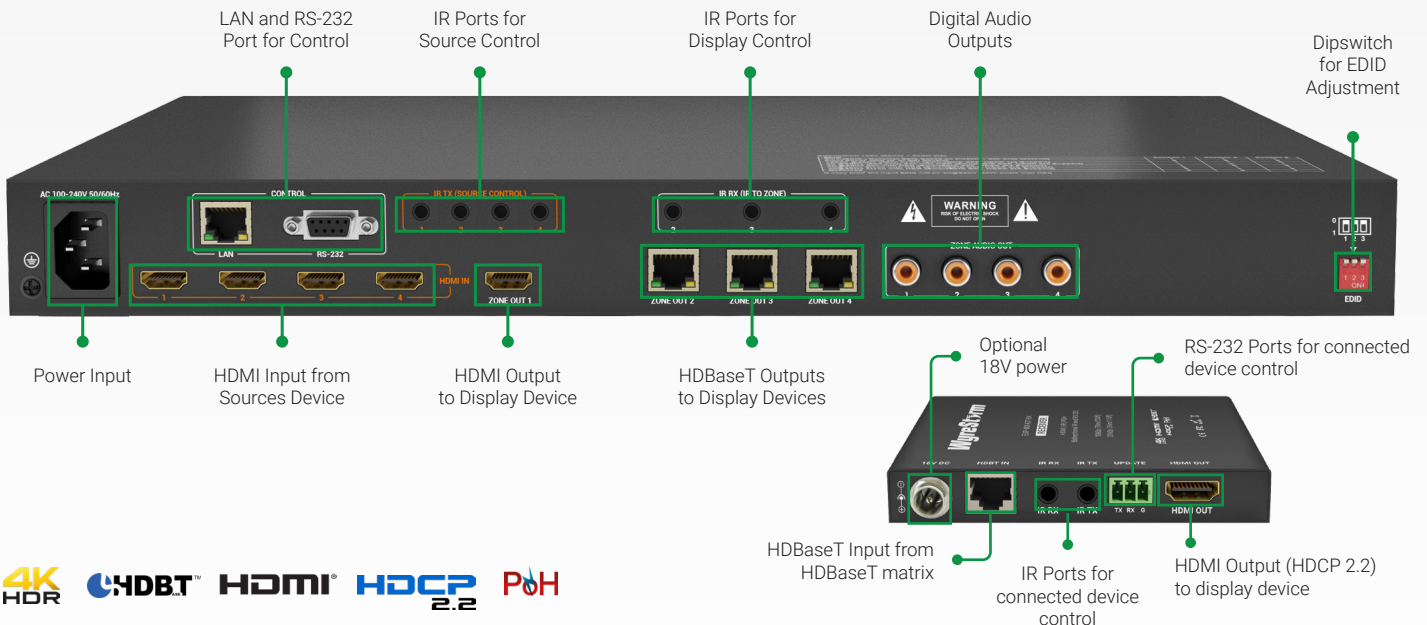


4K UHD 4:2:0 60Hz 4x4 HDBaseT™ Matrix Switch with 3 Receivers & S/PDIF De-Embed

EXP-MX-0404-KIT

WyreStorm
Essentials

Specification Sheet



4K HDR | CHDBT™ | HDMI™ | HDCP 2.2 | PoH

WyreStorm - Powerful. Reliable. Simple.

Introduction

An established leader in AV matrix solutions, WyreStorm packs a wealth of experience into this powerful yet compact 1U chassis. Offering transmission of HDMI content up to 4K UHD & HDR content to 35m/115ft, pairing HDBaseT with WyreStorm's powerful crosspoint HDMI switching chipset. The EXP-MX-0404-KIT has 3 HDBaseT zone outputs with PoH and a single switched HDMI output which can be paired with WyreStorm's HAOC hybrid optical HDMI cables or any extender for transmission via HDBaseT or OM3 fibre. The EXP-MX-0404-KIT doesn't stop there, offering zone audio breakout via S/PDIF, CEC triggering for all connected screens and the A/V mute function enhances the offering for the modern home or commercial installation.

Key Features

- 4K UHD HDBaseT™ 4x4 Matrix Switch, supporting:
 - Content up to 4K/60 4:2:0 8-bit or 4K/30 4:2:0 10-bit
 - The latest HDR standards, including 30Hz HDR-10 & Dolby Vision
 - HDCP 2.2 encryption technology ensuring compatibility with the latest 4K UHD content and sources
- True 4x4 matrix with 3 HDBaseT zones and 1 switched HDMI output
 - HD Multichannel audio up to DTS:X and Dolby Atmos to all outputs
- HDBaseT enables 60Hz 4K UHD content (8-bit) to be sent over HDBaseT to 35m/115ft
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- 4 audio outputs allow audio to be independently de-embedded from outputs via S/PDIF coaxial
- Automatic (signal sensing) or manual (API operated) CEC power triggering of all connected screens or projectors (CEC compatibility required)
- A/V Mute function gives complete distribution control to a user allowing the signal to any zone to be independently switched off
- SmartEDID feature also dynamically detects display/source capabilities and automatically outputs the highest possible resolution
- Additional EDID management through DIP switches for global setting or via WebUI for independent management of EDID per source
- Embedded WyreStorm WebUI enables simple source switching and installer set-up & configuration
- WebUI includes full EDID management to read, copy, store or import EDID from connected devices
- Assign a different EDID to each connected source device
- API triggered standby mode puts unit into low power state during downtime
- Flexible control options – front panel buttons, infrared remote control, local IR, RS-232, Telnet or WebUI
- 3.5mm jack input for receiving local IR commands out of line-of-sight
- Simple switching matrix remote control included, which can also be learned into a universal remote handset to allow the control of multiple devices from one handset
- 2-way IR for far-end device control from control system or source control from a zone.
- Compact 1U chassis with adjustable depth rack mounting brackets included
- US, UK, EU & AU Power cables included
- 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
- Transmit content from HDMI output 1 up to 50m/164ft using a WyreStorm HAOC HDMI cable

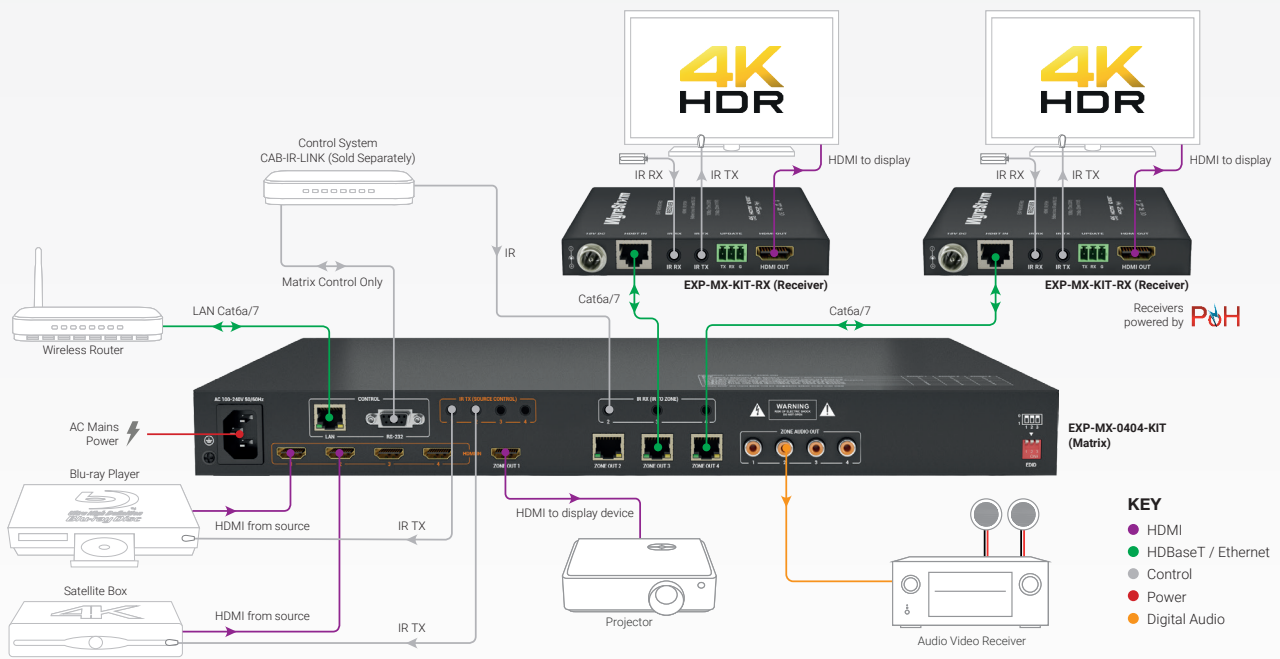
In the Box

- 1x EXP-MX-0404-KIT Matrix
- 3x EXP-MX-KIT-RX Receivers
- 1x AC Power Cord with EU pins
- 1x AC Power Cord with US pins
- 1x AC Power Cord with UK pins
- 1x AC Power Cord with AU pins
- 1x IR Remote (CR2025 Battery not Included)
- 4x IR Emitters
- 3x IR Receivers
- 2x Matrix Mounting Brackets with screws
- 6x Receiver Mounting Brackets with screws (2 per RX)
- 1x Quickstart Guide

Specifications

	Matrix	Receivers		
Audio and Video				
Inputs	4x HDMI In: 19-pin type A	1x HDBT In: 8-pin RJ-45 Female		
Outputs	4x S/PDIF Out: RCA Female 3x HDBT Out: 8-pin RJ-45 Female 1x HDMI Out: 19-pin type A	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	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 8bit 4:2:0	7m/23ft Input 15m/49ft Output	35m/115ft	40m/131ft
	Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference			
Supported Standards	DCI (4096x2160) RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDBaseT: 340MHz			
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			
Consumer Electronics Control (CEC)	CEC power triggering for connected screens – Requires CEC compatibility			
IR	3x 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 (matrix control only)	1x RS-232: 3-pin Terminal Block - 3.5mm (update only)		
Ethernet	1x LAN: 8-pin RJ-45 Female	NA		
Power				
Power Supply	100~240V AC 50/60Hz	18V DC (Optional)		
PoH	1-way Matrix to Receiver			
Max Power Consumption	48.2W	4.5W with External PSU 5W via PoH		
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	164 BTU/hr	15.4 BTU/hr with External PSU 17 BTU/hr via PoH		
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 EAC			

Right Product for the Right Application.



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