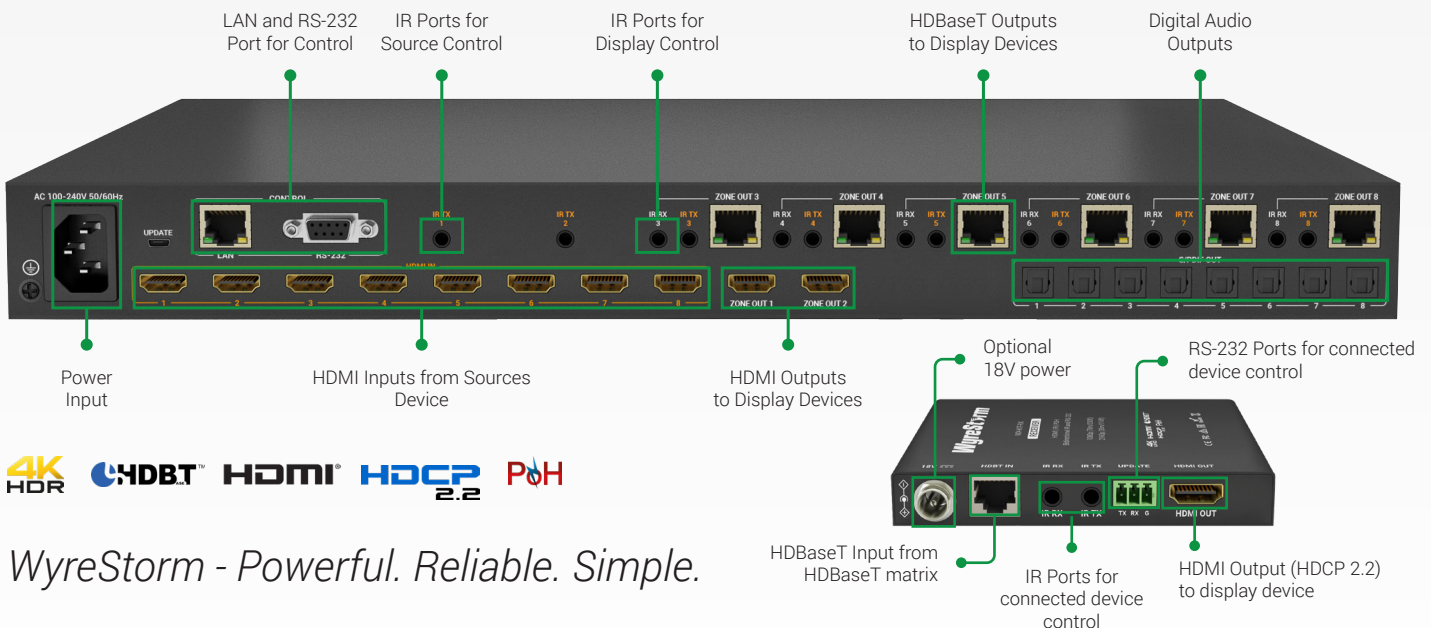


4K UHD 4:2:0 60Hz 4x4 HDBaseT™ Matrix Switch with 3/6 Receivers & S/PDIF De-Embed

MX-0404-KIT | MX-0808-KIT



Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

Introduction

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 MX-0404-KIT and MX-0808-KIT has HDBaseT zone outputs with PoH and switched HDMI outputs which can be paired with WyreStorm's HAOC hybrid optical HDMI cables or any extender for transmission via HDBaseT or OM3 fibre. They don'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™ 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
 - HD Multichannel audio up to DTS:X and Dolby Atmos to all outputs
- True matrix with HDBaseT zones and switched HDMI 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 (up to 9Gbps or 4K/30)
- 8 assignable Toslink outputs allow audio to be independently de-embedded from outputs or inputs
- 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 installer set-up & configuration
- WebUI includes full EDID management to copy EDID from connected devices
- Independent user control interface with separate password-protected installer settings
- Personalise switching interface with source and output labelling
- Hide unused I/O for cleaner appearance and navigation
- 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
- 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 outputs 1&2 up to 50m/164ft using a WyreStorm HAOC HDMI cable

In the Box

- 1x MX-0x0x-KIT Matrix
- 3/6x MX-KIT-RX Receivers
- 1x AC Power Cord (US/UK/EU/AU)
- 1x IR Remote (Battery not Included)
- 4/8x IR Emitters

- 3/6x IR Receivers
- 2x Matrix Mounting Brackets
- 6/12x Receiver Mounting Brackets (2 per RX)
- 1x Quickstart Guide

Specifications

	MX-0404-KIT	MX-0808-KIT	Receivers	
Audio and Video				
Inputs	4x HDMI In: 19-pin type A	8x 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	8x Optical Audio Out: Toslink Female 6x HDBT Out: 8-pin RJ-45 Female 2x Switched 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			
Supported Standards	DCI (4096x2160) RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
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	15m/49ft	60m/197ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	40m/131ft
	3840x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	40m/131ft
	Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference			
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	6x IR RX: 3.5mm (1/8in) TRS Stereo 8x 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	109.5W	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	374 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			