

# WYRESTORM 4X4 HDBASET MATRIX POH SWITCHER KIT WITH 4 X POH 70M/230FT RECEIVERS

MX-0404-POH-KIT



## KEY FEATURES

- 4x4 HDBaseT Matrix HD switcher and 4 x Slimline HDBaseT Display Receivers
- for quick and easy installation straight out of the box
- Power-over-HDBaseT (PoH) technology enables receivers to be remotely powered by the matrix for no local power connectivity required at display zones
- Capable of 1080p/36bit HD video @60Hz, HD multichannel audio, two-way IR control and central RS232 matrix control up to 70m/230ft per output
- Quick-sync feature allows for instant switching of source signals

Flexible, powerful, convenient and affordable; the WyreStorm MX-0404-POH-KIT offers the integrator the best of all worlds with a combined HDBaseT PoH matrix and PoH display receiver solution offering remote power to display zones for plug-and-play simplicity for small-to-medium sized distribution and control integrations.

## ADDITIONAL FEATURES & BENEFITS

- 6.75 Gbps bandwidth range/signalling rate
- Each output port can be fed/cascaded to multiple displays (using WyreStorm extender sets or the AMP-001-010 HDBaseT Digital Amplifier as a transmission device)
- Supports all high definition resolutions up to and including 1080p and standard video formats
- Choose from 6 Matrix switching methods – infrared remote control, front panel buttons, local IR, IR call-back, RS232 and LAN
- 36bit Deep Colour supported
- Suitable for residential or commercial installation
- 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
- Central RS232 control – fully compatible with all market leading control systems with full integration protocols available - check website for listing
- Each output able to show any connected source simultaneously regardless of whether the input carries HDCP encryption.
- Additional infrared extension port for longer IR connections
- Conform to IEEE-568B standards

## ADDITIONAL FEATURES ON RECEIVERS

- Low profile 18mm chassis height for convenient installation at display zones, even behind the slimmest wall plates.
- Multichannel audio supports 7.1 DT Master HD and Dolby True HD
- Power-over-HDBaseT (PoH) - low-voltage power passed directly along Cat5e/6 up to 70m/230ft from matrix to all connected PoH-enabled receivers so no additional power supply is required at display locations
- Additional power connectivity via threaded bushings for both standard and locking DC power plugs and phoenix connector
- Automatically adjusts feedback, equalization and amplification of signal for easy installation.
- Switchable RS232 for firmware updates or third party control of matrix switching from display zones with open source integration protocols available for market leading control systems
- LED indication for visual power supply to receiver via PoH or mains, signal status to show established connection to display, HDBaseT link to matrix and HDCP confirmation to illustrate the presence of encryption within a signal

## IN THE BOX

1 x MX-0404-POH-KIT main unit  
 4 x WyreStorm RX-70-POH display receivers  
 1 x Printed manual (also downloadable on this product page)  
 1 x (pair) of matrix mounting brackets  
 4 x (pair) receiver mounting brackets  
 1 x 24V DC power supply  
 4 x receiver 12V DC power supplies

1 x IR Extension cable  
 4 x IR TX emitters  
 4 x IR RX receivers  
 4 x IR RX receivers for receiver connection to display device  
 (IR frequency range: 940nm IR Frequency: 38KHZ)  
 1 x MX-0404-POH-KIT remote control incl. battery (size/ type: CR2025 3V)

## SPECIFICATIONS

I/O Connections:	MATRIX	4 x HDMI IN 4 x HDBaseT OUT 1 x RS232 1 x IR EXT 1 x EDID DIP switch
	RECEIVER	1 x HDBaseT IN 1 x HDMI OUT
Output Signal Type		HDMI1.3 with HDCP
Output Bandwidth Signalling Rate		6.75Gb/s
Input Video Signal		0.5-1.2V p-p
Input DDC Signal		5 volts p-p (TTL)
Maximum Single Link Range		1080p 36bit Deep Colour
Transmission distance		1080p @60Hz signal up to 70m/230ft using WyreStorm 70m HDBaseT receivers behind each display (Under recommended transmission conditions including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets)
Maximum Pixel Clock		225 MHz
Video Impedance		100 $\Omega$
Power Supply		24V DC
Power Consumption	MATRIX	27.5w max (without PoH), 55.6w max. (with PoH)
	RECEIVER	6.6w
BTU Rating		93.6 (without PoH), 189.7 (with PoH)
Video Format Supported		480i, 576i, 480p, 576p, 720p @ 50, 720p @ 60, 1080p @ 24, 1080i @ 25, 1080i @ 30, 1080p @ 30, 1080p @ 50, 1080p @ 60 (Resolution @ Hz)
Audio Format Supported		Multichannel audio - DTS-HD 5.1 / 7.1, Dolby HD 5.1 / 7.1
Output Video		HDMI 1.3 with HDCP + full 3D (up to 1080p) - frame packing (Blu-ray) & stereoscopic (satellite/cable)
Control Method		IR control / Front panel buttons / RS232 / LAN
Operating Temperature		32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing
Storage Temperature		-4°F ~ 140°F (-20°C ~ 70°C) 10% ~ 90%, non-condensing
ESD Protection		±8kV (air-gap discharge) ±4kV (contact discharge)
Surge Protection		Voltage: ±1kV
Dimensions (WxHxD)	MATRIX	440mm x 43.5mm x 171.4mm / 17.3" x 1.7" x 6.7"
	RECEIVER	181.7mm x 18mm x 94mm / 7.15" x 0.71" x 3.70"
Weight (Main unit)	MATRIX	2kg / 4.4lbs
	RECEIVER	0.4kg / 2.2lbs (each)
Rack space required		1U
Certification		CE, FCC, RoHS

# WYRESTORM PRODUCT SPECIFICATION SHEET

