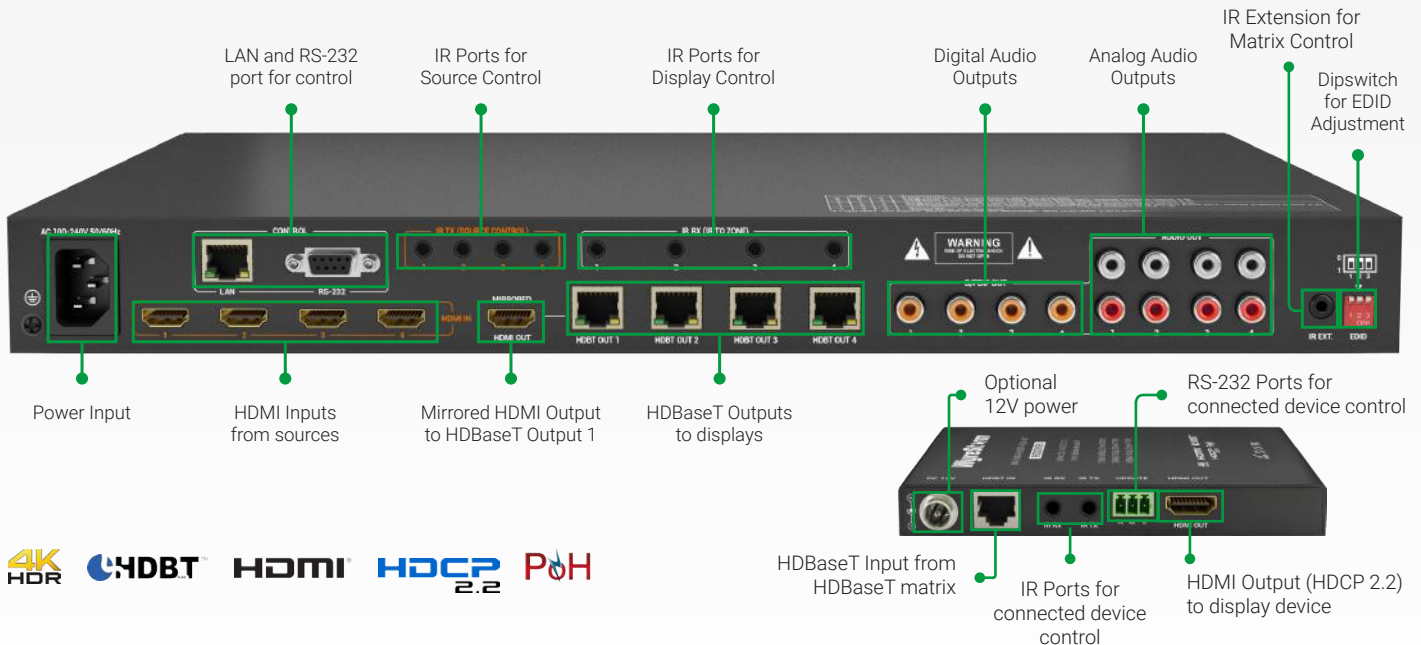


# 4x4 4K HDR HDBaseT™ Matrix with audio breakout & 4x PoH Receivers including HDCP 2.2 Support and SmartEDID

## MX-0404-HDBT-H2A-KIT



## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

The latest in WyreStorm's 4x4 H2 matrix + PoH receiver kit line gets an audio upgrade in the form of the MX-0404-HDBT-H2A-KIT for 4K distribution with CEC triggering of connected screens and enhanced audio fit for the modern home.

The MX-0404-HDBT-H2A-KIT also lets you do even more with your audio with internal audio switching allowing de-embedded audio from sources or HDBaseT™ outputs and 4x S/PDIF and 4x analog stereo offering audio breakout from source or HDMI input.

## Key Features

- Independent switching and control of up to four 4K or HD HDMI sources to four individual 4K or HD HDMI display zones
- Supports transmission of the latest 4K 10-bit HDR content to 35m/115ft over Cat6 cable or 1080p/60Hz to 70m/230ft
- Latest HDCP 2.2 encryption technology supported ensuring compatibility with the latest 4K UHD content and sources
- Multichannel audio up to 7.1 including DTS:X and Dolby Atmos
- Internal audio switching allows de-embedded audio from sources or HDBaseT™ output
- Can be combined with WyreStorm EXP-CON-DAC-D digital audio converter to downmix 5.1 content if mixing stereo and surround sound zones (up to 1080p/2.2 source content only)
- HDMI Inputs and Outputs support bandwidths of 18Gb/s
- Mirrored HDMI output allows connection of a local AVR, local screen or additional display over distance via an HDBaseT™ extender or Hybrid Active Optical Cable (CAB-HAOC-xx)
- PoH technology powers the receivers from the matrix
- CEC triggering of connected screens
- QuickSync™ technology for instant seamless I/O switching
- SmartEDID™ removes conflict when mixing 1080p & 4K displays by dynamically detecting display/source capabilities and automatically outputting the highest possible resolution compatible with displays
- Additional EDID management through customizable DIP switch settings
- 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
- Embedded WebUI allows installer setup and configuration and provides switching interface
- Simple switching matrix remote control included
- IR 3.5mm mini-jack ports for each output for IR emitters and IR receivers
- Conforms to IEEE-568B standards
- Stylish chassis design with laser-engraved aluminium front fascia and blue LED I/O display

## In the Box

1x MX-0404-HDBT-H2-KIT HDBaseT Matrix Switcher  
 4x HDBaseT PoH display receivers  
 1x Handheld IR Remote  
 4x Wide-band IR TX Emitter  
 4x Wide-band IR RX Receiver (30-50KHz)

1x 100~240V AC Power Supply (US | EU | UK)  
 1x USB to UART Serial Cable  
 2x Mounting Brackets (matrix)  
 8x Mounting brackets (receivers)  
 1x Quickstart Guide

# Specifications

Audio and Video				
	Matrix	Receiver		
<b>Inputs</b>	4x HDMI 19-pin type A female	1x HDBaseT 8-pin RJ-45 female		
<b>Outputs</b>	4x HDBaseT 8-pin RJ-45 female 4x S/PDIF Out RCA Digital Coax 4x Audio Out Stereo Pairs RCA Analog Coax (Audio from Source or HDMI Output)	1x HDMI 19-pin type A female		
<b>Audio Formats</b>	HDMI/HDBaseT: 2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos S/PDIF: 2ch PCM   Multichannel: Up to 5.1 DTS and Dolby Digital Analog: 2ch Analog			
<b>Video Resolutions (Max)</b>	<b>Resoluton</b>	<b>HDMI</b>	<b>Cat6</b>	<b>Cat6a/7</b>
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	35m/115ft
	3840x2160p @30Hz 4:4:4 8bit	7m/23ft	35m/115ft	35m/115ft
	3840x2160p @24Hz 4:2:0 HDR 10bit	3m/9.8ft	35m/115ft	35m/115ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	35m/115ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A	
<b>Color Depth</b>	1080p: 16bit   4K UHD: 8bit   HDR @24p: 10bit BT.2020			
<b>Maximum Pixel Clock</b>	HDMI: 600mHz   HDBaseT: 297mHz			
Communication and Control				
<b>HDMI</b>	HDMI   HDCP 2.2   EDID   CEC   DVI-D with adapter (not included)			
<b>HDBaseT</b>	HDMI   HDCP 2.2   EDID   CEC   1-way PoH to receiver   Bidirectional IR			
	Matrix	Receiver		
<b>IR</b>	1x Front Panel IR Sensor 1x IR Ext 3.5mm (1/8in) TRS Stereo   Matrix Control 4x IR TX 3.5mm (1/8in) TS Mono 4x IR RX 3.5mm (1/8in) Stereo   Transmits via HDBaseT	1x IR TX 3.5mm (1/8in) TS Mono 1x IR RX 3.5mm (1/8in) Stereo   Transmits via HDBaseT		
<b>RS-232</b>	Matrix Only: 1x 9-pin DB9 Female   Matrix Control (Telnet commands supported)			
<b>Ethernet</b>	Matrix Only: 1x 8-pin RJ-45 female   10/100 Mbps auto-negotiating   Built-in Web UI   IP Control			
Power				
<b>Power Supply</b>	100~240V AC 50/60Hz			
<b>Max Power Consumption</b>	70W			
<b>PoH</b>	48V 15.4W (each HDBT output)			
Environmental				
<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing			
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing			
<b>Maximum BTU</b>	239 BTU/hr			
Dimensions and Weight				
	Matrix	Receiver		
<b>Rack Units   Wall Box</b>	1U	0.34U		
<b>Height With   Without Feet</b>	51.3mm/2.02in   43.5mm/1.72in	N/A   15mm/0.6in		
<b>Width With   Without Brackets</b>	482.6mm/19in   440mm/17.33in	N/A   135mm/5.32in		
<b>Depth With   Without Handles</b>	N/A   300.1mm/11.82in	N/A   74.2mm/2.93in		
<b>Weight</b>	4.96kg/10.91lbs	0.4kg/0.88lbs		
Regulatory				
<b>Safety and Emission</b>	CE   FCC   RoHS			

# Right Product for the Right Application.

