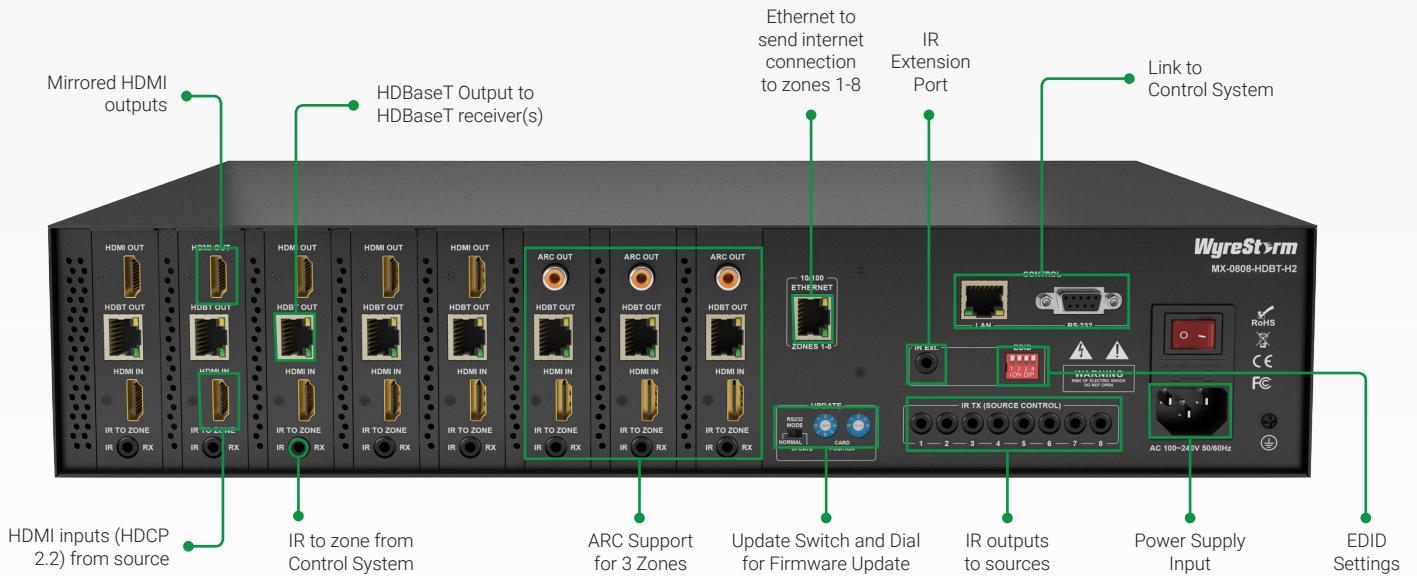


8x8 4K HDR HDBaseT™ Matrix Switcher featuring SmartEDID and ARC (4K: 70m/230ft | 1080p: 100m/328ft)

MX-0808-HDBT-H2 v2



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

The MX-0808-HDBT-H2 matrix offers the latest in 4K HDR and HDCP 2.2 distribution and control, ensuring compatibility with the latest broadcast standards and next generation 4K source devices and content. Mirrored HDMI outputs and S/PDIF audio breakout for ARC (Audio Return Channel) zones, the MX-0808-HDBT-H2 lets you do more with 4K UHD and HDR content than you ever thought possible.

Key Features

- Compliant for distribution of video, audio, bidirectional IR control, power to display zones and ethernet along a single Cat6 cable
- 4K@60Hz 8bit 4:2:0 and 4K HDR @24Hz 10bit with chroma sub-sampling rate of 4:2:0 supported to 70m/230ft
- 1080p@60Hz 48bit color supported to 100m/328ft, including 3D
- 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
- 5 Mirrored HDMI outputs for connection to additional displays or local HDMI devices such as AVR
- HDMI Inputs and Outputs support bandwidths of 18Gb/s
- S/PDIF audio breakout for 3 ARC zones, with additional ARC zones possible by combining with an ARC compatible extender via a mirrored HDMI output
- SmartEDID feature also dynamically detects display/source capabilities and automatically outputs the highest possible resolution
- PoH technology powers the receivers from the matrix
- Manual EDID management via DIP to read and copy EDID from connected devices to aid communication and device compatibility
- QuickSync™ technology for near instant seamless I/O switching
- Flexible control options – front panel push button, local IR, IR call-back from remote locations, local RS-232, and LAN, including Telnet and WebUI
- Embedded WyreStorm WebUI enables simple source switching and installer set-up and configuration
- Bidirectional, wide range IR control of inputs/outputs
- Local RS-232 serial control with drivers for leading third party control systems available
- Additional infrared extension port for longer IR connections
- Supports Ethernet routing through matrix to any connected HDBaseT™ receivers at display zones location for network communication
- Conforms to IEEE-568B standards

In the Box

- 1x MX-0808-HDBT-H2 Matrix Switcher
- 1x IR Remote Handset
- 1x IR Receiver (38Khz)
- 8x Wide-band IR Receivers (30-50KHz)
- 8x IR Emitters
- 1x USB to DB9 RS-232 Cable

- 1x 100~240V AC 50/60Hz Power Cord with US Plug
- 1x 100~240V AC 50/60Hz Power Cord with UK Plug
- 1x 100~240V AC 50/60Hz Power Cord with EU Plug
- 2x Mounting Brackets
- 1x Quickstart Guide

Specifications

Audio and Video				
Inputs	8x HDMI 19-pin type A			
Outputs	5x HDMI 19-pin type A (Mirrors HDBaseT) 8x HDBaseT 8-pin RJ-45 female			
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Resoluton	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 4:4:4 8bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @24Hz 4:2:0 HDR 10bit	3m/9.8ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A	
Color Depth	1080p: 16bit 4K UHD: 8bit HDR @24p: 10bit BT.2020			
Maximum Pixel Clock	HDMI: 600mHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDCP 2.2 EDID DVI-D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID ARC 1-way PoH to RX Bidirectional IR and Ethernet			
Ethernet	1x 8-pin RJ-45 female Web UI IP Control Bidirectional over HDBaseT			
IR	1x IR Ext - 3.5mm (1/8in) Stereo Matrix Control 8x IR RX - 3.5mm (1/8in) Stereo Bidirectional over HDBaseT 8x IR TX - 3.5mm (1/8in) Mono Bidirectional over HDBaseT			
RS-232	Matrix Control Firmware Updates			
Audio Return Channel (ARC)	Returns audio to source location from remote display via HDBaseT Outputs 6-8 only			
Power				
Power Supply	100~240V AC 50/60Hz			
PoH	48V 15.4W (each HDBT output)			
Max Power Consumption	140W			
Environmental				
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing			
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing			
Maximum BTU	477.6 BTU/hr			
Dimensions and Weight				
Rack Units Wall Box	2U			
Height	87.7mm/3.46in			
Width	438mm/17.25in			
Depth	396mm/15.6in			
Weight	8.48kg/18.66lbs			
Regulatory				
Safety and Emission	CE FCC RoHS			

Right Product for the Right Application.

