

# 8x8 Class A HDBaseT matrix with ARC and HDCP 2.2 Support (70m/230ft)

MX-0808-HDBT-H2



## Key Features

- Supports transmissions of 4K@60hz 4:2:0 (70m/230ft) | 1080p@60Hz 48bit (100m/328ft)
- Class A HDBaseT transmission supporting 5Play
- Latest encryption technology ensuring compatibility with HDCP 2.2 content
- S/PDIF audio breakout for 3x ARC (Audio Return Channel) zones
- Mirrored HDMI outputs for connection of additional sink devices
- PoH technology powers receivers from the matrix - no local power required at display zones

Our hugely popular 8x8 form-factor now has been made part of the H2 matrix switcher family. The MX-0808-HDBT-H2 matrix brings the latest in 4K and HDCP 2.2 support. All 8 inputs and 8 HDBaseT outputs support the newest generation of HDCP encryption ensuring the best compatibility with the newest UHD source devices. Additionally we have made allowance for 5 mirrored HDMI outputs, meaning 13 sink devices can be supported from this matrix. New to the H2 family is the ability to support ARC, meaning that the on-demand audio from your smart TV can now be sent from the zone to the matrix where it can be fed into an AVR or audio system. Controlling this device couldn't be easier, with no less than 6 options: Local buttons & IR, RS-232, LAN, IR call-back and our new WebUI.

## Additional Features & Benefits

- Independent switching and control of up to eight 4K/UHD or HD HDMI sources to eight individual display zones
- HDBaseT 5Play compliant for distribution of video, audio, bi-directional IR, Power to remote HDBaseT receiver and Ethernet along a single Cat5/52/6/6a cable
- 4K@60HZ 24bit with chroma sub-sampling rate 4:2:0 | 1080p@60Hz 48bit Deep Color
- Multichannel audio up to 7.1 including DTS Master HD & Dolby TrueHD
- Additional ARC zones possible by combining with an EX-70-4K-ARC extender via a mirrored HDMI output
- Full 3D up to 1080p@60Hz
- Flexible control options – front panel push button, local IR, IR call-back from remote locations, local RS-232, and LAN, including Telnet and Web UI
- Embedded WyreStorm WebUI enables simple source switching and installer set-up and configuration
- Bi-directional, wide range IR control of inputs/outputs from source and display locations via discrete IR control with IR Code Edit function
- Local RS-232 serial control with available drivers for leading third party control systems
- Additional infrared extension port for longer IR connections
- EDID management via DIP switches and Web UI to aid communication and device compatibility
- QuickSync™ technology for virtually instantaneous I/O switching
- Stylish chassis design with laser-engraved aluminium front fascia and ice-blue LED display
- 3 year warranty

## 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  
 1x USB to DB9 Male RS-232 Cable  
 2x Mounting Brackets  
 1x Quickstart Guide

## Specification

Audio and Video	
<b>Inputs</b>	8x HDMI 19-pin type A
<b>Outputs</b>	8x HDMI 19-pin type A   6x HDBaseT 8-pin RJ-45 female
<b>Audio Formats</b>	2ch analog and Up to 7.1 DTS-HD Master Audio and Dolby TrueHD
<b>Video Resolution</b>	1920x1080@60Hz (1080p60)   4096x2160p@30Hz 4:2:0 (4K)
<b>Color Depth</b>	1080p: 36bit   4K: 24bit
<b>Maximum Pixel Clock</b>	297MHz
Communication and Control	
<b>HDMI</b>	HDCP   EDID   DVI/D supported with adapter (not included)
<b>HDBaseT</b>	HDCP   EDID   ARC   PoH   Bi-directional IR, RS-232, and Ethernet
<b>RS-232</b>	Matrix Control   Bi-directional over HDBaseT
<b>Ethernet</b>	1x 8-pin RJ-45 female   Web UI   IP Control   Bi-directional over HDBaseT
<b>IR</b>	1x IR Ext - 3.5mm (1/8in) Stereo   6x IR TX/RX - 3.5mm (1/8in) Mono   Matrix Control   Bi-directional over HDBaseT
<b>Audio Return Channel</b>	Returns audio to source location from remote display via HDBaseT   Transmission modules 5-6 only
Power	
<b>Power Supply</b>	Input: 100~240V AC 50/60Hz
<b>PoH</b>	48V 15.4W
<b>Max Power Consumption</b>	21W
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>Max BTU</b>	71.65 BTU/hr
Dimensions and Weight	
<b>Height</b>	87.7mm/3.36in
<b>Width</b>	438mm/17.25in
<b>Depth</b>	396mm/15.6in
<b>Weight</b>	8.2kg/18.04lbs
Regulatory	
<b>Safety and Emission</b>	CE   FCC   RoHS

## Basic Wiring Diagram

