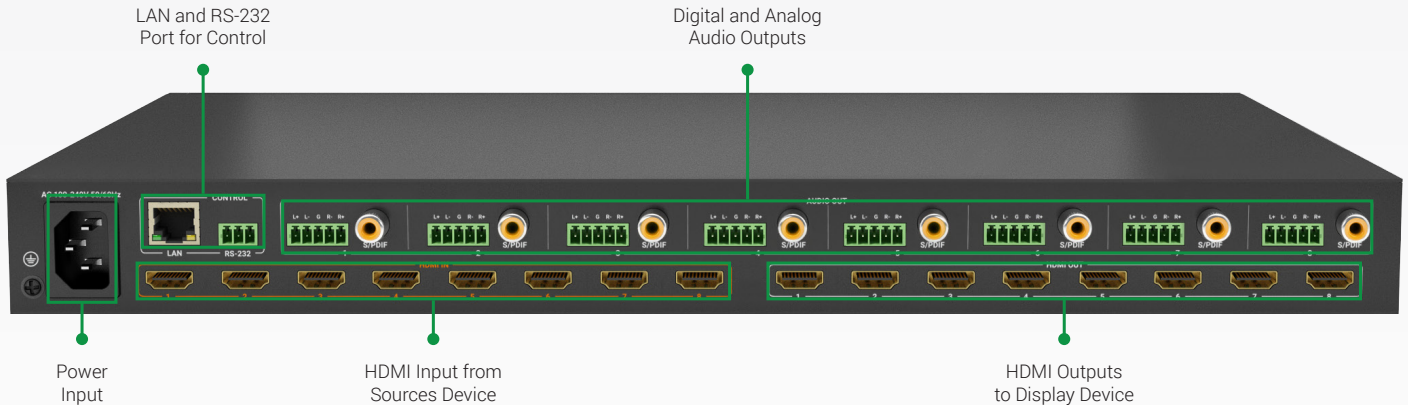


# 4K HDR 8x8 Pure HDMI Matrix with Scaling Outputs, Audio De-embed & ARC

**MX-0808-H2A-MK2**

**WyreStorm**

**Specification Sheet**



**4K HDR** **2160p 4:4:4 60** **HDMI** **HDCP 2.2**

*WyreStorm - Powerful. Reliable. Simple.*

## Introduction

The MX-0808-H2A-MK2 is a welcome refresh to the powerful line of H2A pure HDMI switchers. The MK2 is familiar on the surface but has a host of improvements and added features. To start, the HDMI outputs now feature 4K > 1080p downscalers promoting easier integration of mixed resolution displays into a single system. The HDMI outputs also now support Audio Return Channel from smart TVs to bring audio from apps like Netflix, Prime Video, Hulu, etc... to an external audio system. Speaking of audio, the analog audio outputs have been updated to balanced connections to ensure there is no loss in fidelity or interference.

## Key Features

- Uncompressed HDMI signal distribution supporting full 18Gbps bandwidth and 4K60 444 video content
- Pair with WyreStorm HAOC cables to send uncompressed HDMI video up to 50 meters.
- Compatible with latest HDR video standards including HDR10, HDR10+ Dolby Vision and HLG
- Balanced analog and digital S/PDIF audio de-embed for distributing audio to an amplifier or DSP
- Each HDMI output supports 4K to 1080p downscaling to support mixed resolution systems
- Output downscaling controlled intuitive web UI or API commands
- Automatic or manual CEC power triggering of displays through HDMI outputs via API. Allows custom CEC commands to expand compatibility with displays.
- Audio Return Channel supported on all 8 outputs allowing up to 5.1 audio from smart TV apps to be distributed to external audio systems such as an AVR or stereo amplifier.
- Supports AV Mute for enabling/disabling HDMI outputs per zone
- API triggered standby mode puts unit into low power state during downtime
- EDID Management through API or front panel buttons
- 1U 19" chassis for convenient installation into standard equipment racks

## In the Box

1x MX-0808-H2A-MK2 Matrix  
1x AC Power Cord (US/UK/EU/AU)  
8x 3.5mm 5-Pin Terminal Block  
1x 3.5mm 3-Pin Terminal Block

1x IR Remote (CR2025 Battery not Included)  
2x Matrix Mounting Brackets with screws  
1x Quickstart Guide

# Specifications

Audio and Video		
<b>Inputs</b>	8x HDMI In: 19-pin type A	
<b>Outputs</b>	8x HDMI Out 19-pin HDMI type A 8x 5-pin Phoenix Balanced Analog Audio 8x Toslink Digital Audio	
<b>Video Encoding</b>	Uncompressed 18Gbps	
<b>End to End Latency</b>	None	
<b>Audio Formats</b>	2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos	
<b>ARC</b>	Supported	
<b>Video Resolutions (Max)</b>	<b>Video Resolution</b>	<b>HDMI</b>
	1920x1080p @60Hz 16bit	7m/23ft
	3840x2160p @60Hz 10bit 4:2:2 HDR10/10+	5m/16ft
	3840x2160p @60Hz 12bit 4:2:0 Dolby Vision	5m/16ft
	3840x2160p @50Hz 10bit 4:2:2 HLG	5m/16ft
4096x2160p @60Hz 8bit 4:4:4	5m/16ft	
<b>Supported Standards</b>	DCI   RGB   HDR10   HDR10+   Dolby Vision   HLG   BT.2021	
<b>Maximum Pixel Clock</b>	600MHz	
Communication and Control		
<b>HDMI</b>	HDMI 2.0   HDCP 2.2   EDID   CEC (display power trigger)	
<b>RS-232</b>	1x 3-pin Phoenix for API control	
<b>LAN</b>	1x 8-pin RJ-45 for API control	
Power		
<b>Power Supply</b>	100V - 240V 50/60Hz AC	
<b>Max Power Consumption</b>	60W	
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>	205 BTU/hr	
Dimensions and Weight		
<b>Rack Units/Wall Box</b>	1U	
<b>Height</b>	43.5mm/1.72in	
<b>Width</b>	440mm/17.33in	
<b>Depth</b>	300mm/11.82in	
<b>Weight</b>	3.58kg/7.88lbs	
Regulatory		
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC	