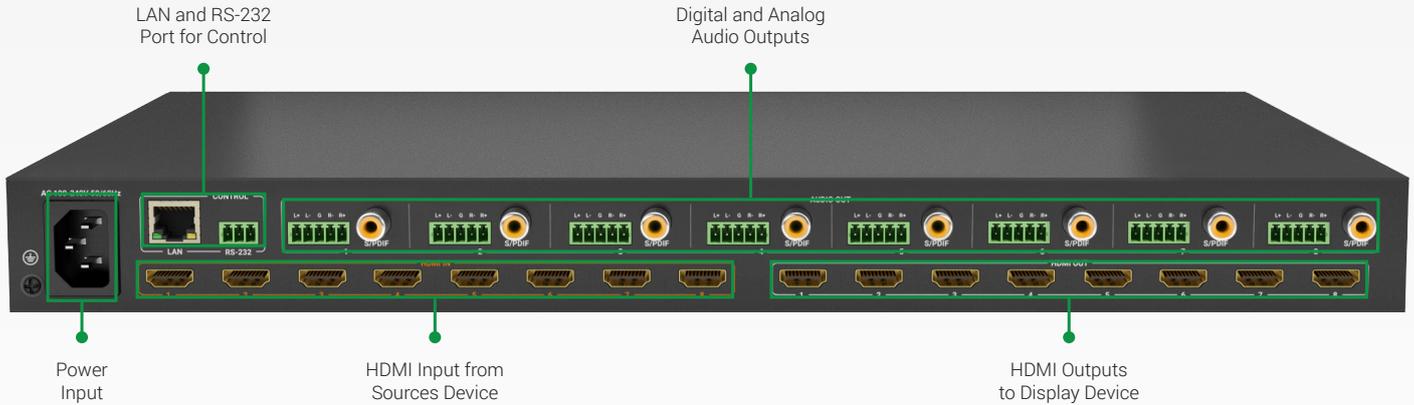


4K HDR 8x8 Pure HDMI Matrix with Scaling Outputs, Audio De-embed & ARC

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