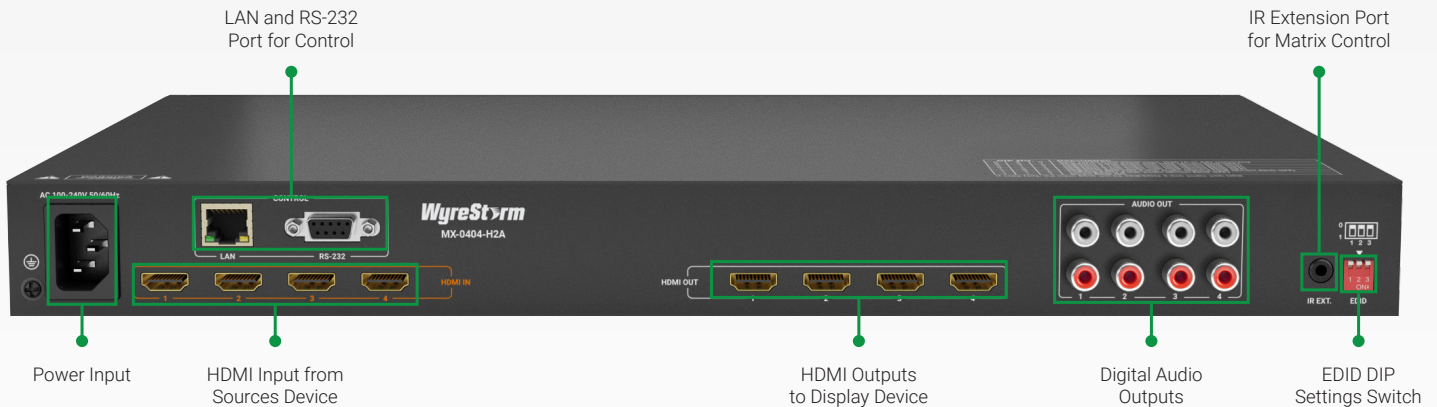


# 4K HDR 4:4:4 60Hz HDMI 4x4 Matrix Switcher with Audio Outputs, CEC Power Triggering and A/V Mute Function

MX-0404-H2A

**WyreStorm**

## Specification Sheet



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

*WyreStorm - Because the Technology Matters.*

## Introduction

Compact and fully-featured, the MX-0404-H2A matrix switcher might be the entry level model of the H2 matrix family, but don't let that fool you. Supporting 18Gbps throughput to the full video capability of HDMI 2.0 it handles distribution of 4:4:4/60 and HDR content, supporting the latest broadcast standards and next generation 4K HDR source content. Further features such as audio de-embed and A/V mute enhance the offering and with CEC power triggering for compatible connected screens, the MX-0404-H2A is the perfect match for WyreStorm's range of hybrid optical HDMI cables.

## Key Features

- 4x4 HDMI 4K matrix switcher supporting:
  - Content up to 4K/60 4:4:4 & RGB 8-bit
  - The latest HDR standards, including HDR-10, HLG and Dolby Vision at 60Hz
  - HDCP 2.2 encryption technology ensuring compatibility with the latest 4K UHD content and sources
  - HD Multichannel audio up to DTS:X and Dolby Atmos to all outputs
- HDMI Inputs and HDMI outputs support bandwidths of up to 18Gbps
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- Stereo RCA Audio outputs allow audio to be de-embedded from HDMI outputs
- Automatic (signal sensing) or manual (API operated) CEC power triggering of all connected screens or projectors (CEC compatibility required)
- A/V Mute function gives complete distribution control to a user allowing the signal to any zone to be independently switched off
- SmartEDID feature also dynamically detects display/source capabilities and automatically outputs the highest possible resolution
- Additional EDID management through DIP switches for global setting or via WebUI for independent management of EDID per source
- Assign a different EDID to each connected source device
- Embedded WyreStorm WebUI enables simple source switching and installer set-up & configuration
- WebUI includes full EDID management to read, copy, store or import EDID from connected devices
- Flexible control options – front panel buttons, infrared remote control, local IR, RS-232, Telnet or WebUI
- 3.5mm jack input for receiving local IR commands out of line-of-sight
- Simple switching matrix remote control included, which can also be learned into a universal remote handset to allow the control of multiple devices from one handset
- Option for end-user WebUI switching interface
- Compact 1U chassis with adjustable depth rack mounting brackets included
- US, UK, EU & AU Power cables included
- Can be combined with WyreStorm EXP-CON-DAC-D digital audio converter to downmix Dolby Digital 5.1 content to mix stereo and surround sound zones
- Capable of transmitting content to 50m/164ft using WyreStorm HAOC range of hybrid optical HDMI cables

## In the Box

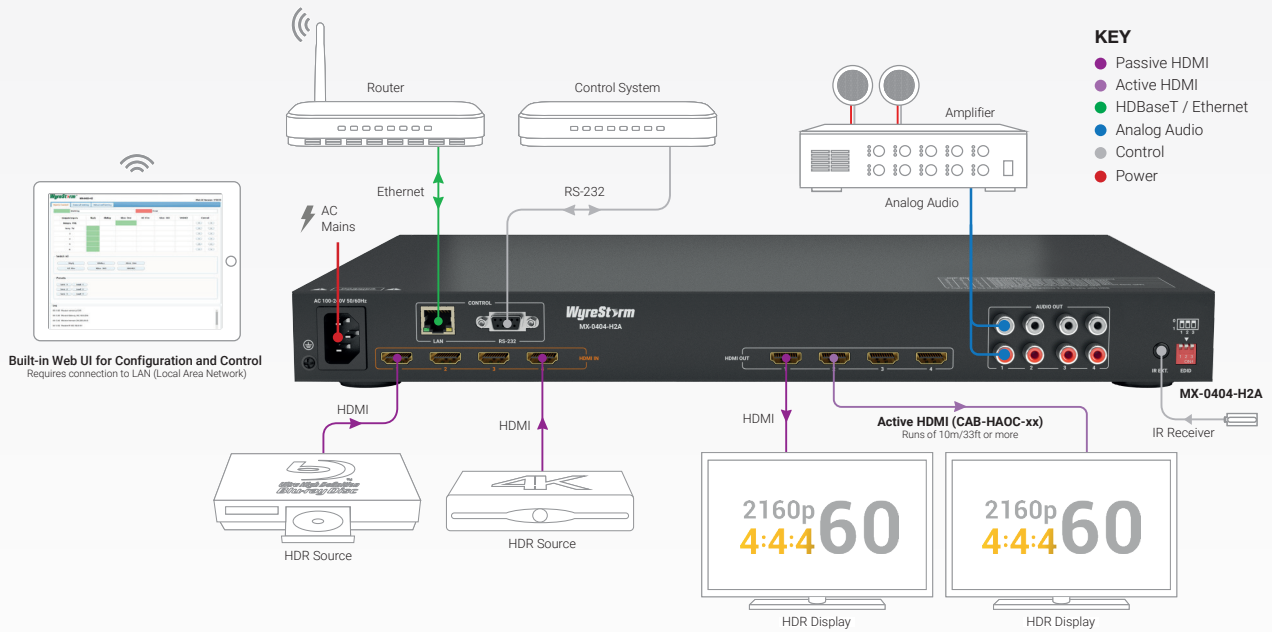
1x MX-0404-H2A Matrix  
1 x AC Power Cord with EU pins  
1 x AC Power Cord with US pins  
1 x AC Power Cord with UK pins  
1 x AC Power Cord with AU pins

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

# Specifications

Audio and Video		
<b>Inputs</b>	4x HDMI In: 19-pin type A	
<b>Outputs</b>	4x HDMI Out: 19-pin type A 4x Audio Out: RCA Female Stereo (L/R)	
<b>Audio Formats</b>	Analog: 2ch Analog HDMI: 2ch LPCM   Multichannel up to Dolby Atmos and DTS-X	
<b>Video Resolutions (Max)</b>	<b>Video Resolution</b>	<b>HDMI</b>
	1920x1080p @60Hz 12bit	15m/49ft
	1920x1080p @120Hz 12bit	7m/23ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	15m/49ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	5m/16ft
	3840x2160p @60Hz 12bit 4:2:2 HDR	5m/16ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft
4096x2160p @60Hz 8bit 4:4:4	5m/16ft	
<b>Supported Standards</b>	DCI   RGB   HDR   HDR10   Dolby Vision up to 60Hz   HLG   BT.2020   BT.2100	
<b>Maximum Pixel Clock</b>	600MHz	
Communication and Control		
<b>HDMI</b>	HDMI 2.0   HDCP 2.2   EDID Input supports DVI/D and DisplayPort Dual-Mode (DP++) v1.3 with adapter (not included)	
<b>CEC</b>	CEC power triggering   Requires CEC compatibility	
<b>IR</b>	1x Front Panel IR Sensor   Handheld IR Remote Included   1x IR Ext 3.5mm (1/8in) TRS Stereo	
<b>RS-232</b>	1x RS-232: 9-pin DB9 Female   Matrix Control   Telnet commands supported	
<b>Ethernet</b>	1x LAN: 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>	27.5W	
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>	94 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	

# Right Product for the Right Application.



**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.