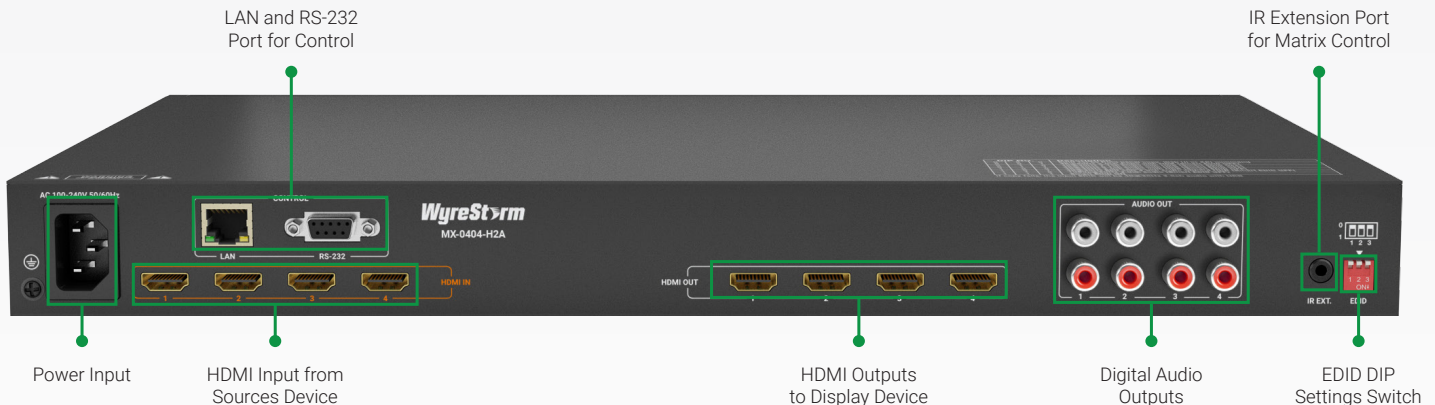


4K HDR 4:4:4 60Hz HDMI 4x4 Matrix Switcher with Audio Outputs, CEC Power Triggering and A/V Mute Function

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

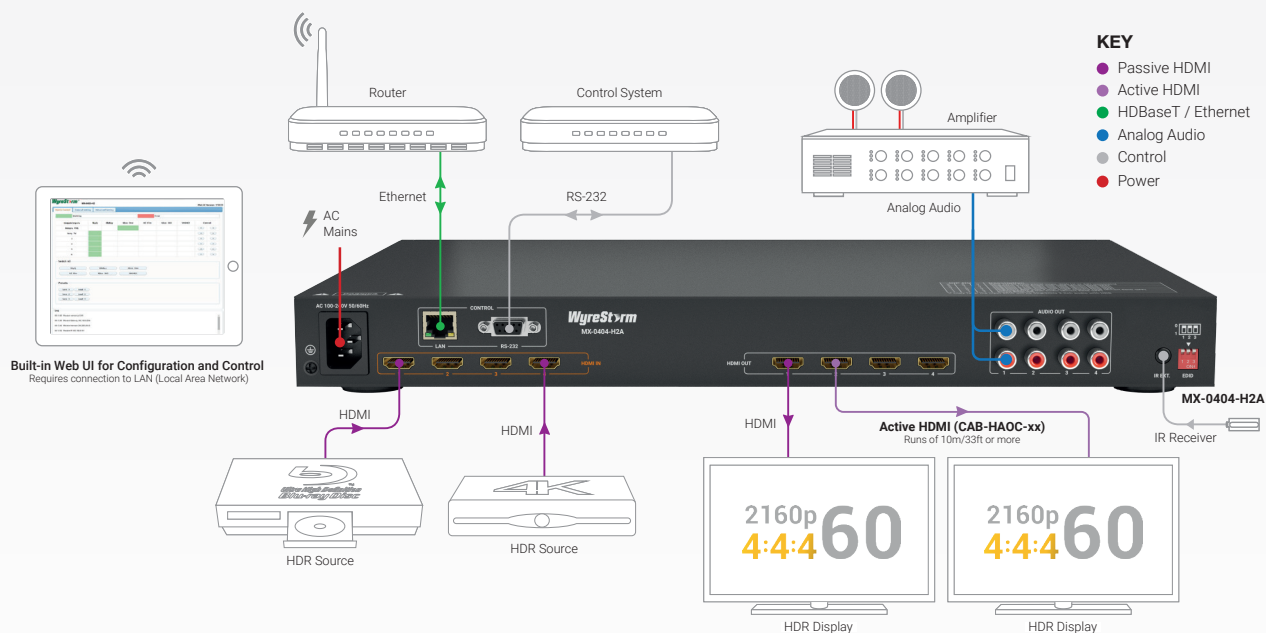
1x MX-0404-H2A Matrix
1 x AC Power Cord with EU pins
1 x AC Power Cord with US pins
1 x AC Power Cord with UK pins
1 x AC Power Cord with AU pins

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

Specifications

Audio and Video		
Inputs	4x HDMI In: 19-pin type A	
Outputs	4x HDMI Out: 19-pin type A 4x Audio Out: RCA Female Stereo (L/R)	
Audio Formats	Analog: 2ch Analog HDMI: 2ch LPCM Multichannel up to Dolby Atmos and DTS-X	
Video Resolutions (Max)	Video Resolution	HDMI
	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
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 60Hz HLG BT.2020 BT.2100	
Maximum Pixel Clock	600MHz	
Communication and Control		
HDMI	HDMI 2.0 HDCP 2.2 EDID Input supports DVI/D and DisplayPort Dual-Mode (DP++) v1.3 with adapter (not included)	
CEC	CEC power triggering Requires CEC compatibility	
IR	1x Front Panel IR Sensor Handheld IR Remote Included 1x IR Ext 3.5mm (1/8in) TRS Stereo	
RS-232	1x RS-232: 9-pin DB9 Female Matrix Control Telnet commands supported	
Ethernet	1x LAN: 8-pin RJ-45 Female 10/100 Mbps auto-negotiating Built-in Web UI IP Control	
Power		
Power Supply	100~240V AC 50/60Hz	
Max Power Consumption	27.5W	
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	94 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	

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.