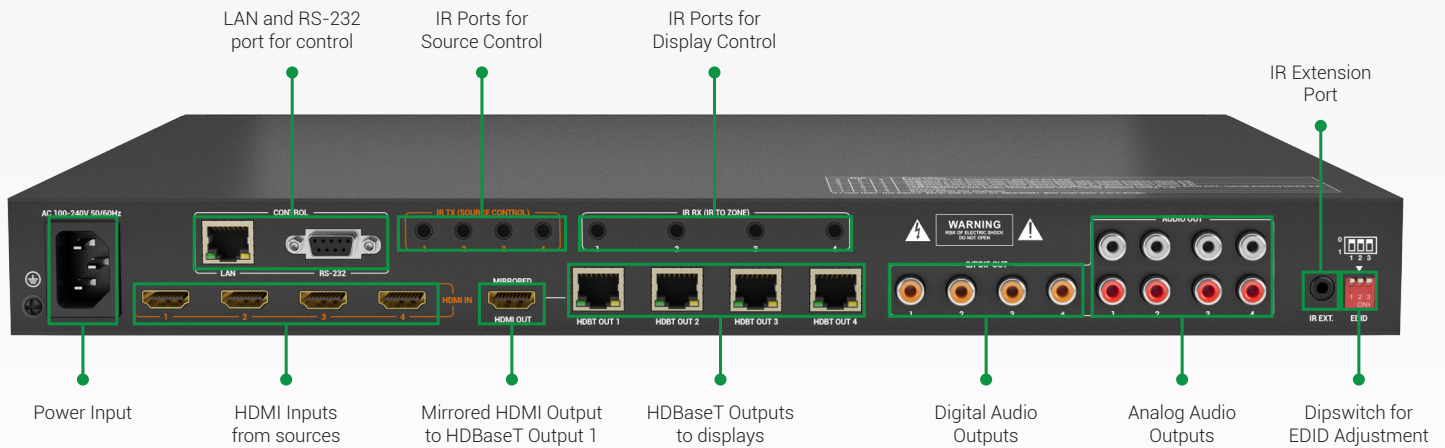


4x4 4K UHD HDBaseT (35m/115ft) Matrix with audio breakout, HDCP 2.2 and PoH Receivers

MX-0404-HDBT-H2A-KIT

WyreStorm

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

WyreStorm's 4x4 H2 matrix + PoH receiver kit line gets an audio upgrade in the form of the MX-0404-HDBT-H2A-KIT with 4K distribution, enhanced audio and CEC triggering of connected screens making it an ideal one-package AV signal management solution for the home.

The H2A-KIT features a 4x4 HDBaseT matrix switcher distributing 4K HDR 10-bit video with HDCP 2.2, multichannel audio, bidirectional IR and RS-232 control to 4x included low profile PoH receivers for plug-and-play distribution of the latest 4K content to 4K screens.

Packed with features, the H2A includes a mirrored HDMI output, QuickSync™ instant switching and SmartEDID™ to dynamically combat mixed resolution conflicts when combining 2K and 4K screens in an installation.

Internal audio switching allows de-embedded audio from sources or HDBaseT outputs and 4x S/PDIF and 4x analog stereo offering audio breakout from source or HDMI input. What's more, the H2A can be combined with the WyreStorm EXP-CON-DAC-D to downmix 5.1 content if combining stereo and surround sound zones.

Key Features

- 4x4 Class B HDBaseT Matrix with PoH and support for 4K/UHD sources and HDCP 2.2
- Complete kit includes 4x HDBaseT PoH receivers
- Supports transmission of the latest 10-bit HDR content to 35m/115ft over Cat6 cable
- Internal audio switching allows de-embedded audio from sources or HDBaseT output
- Can be combined with WyreStorm EXP-CON-DAC-D to downmix 5.1 content if mixing stereo and surround sound zones
- Mirrored HDMI output allows connection of a local AVR, HDMI screen or remote screen via HDBaseT extender
- SmartEDID™ dynamically reacts to source routing to remove conflict when mixing 1080p and 4K Displays
- Bidirectional IR pass-through for source and sink control
- Matrix switching control via IR, front panel, WebUI, IP Telnet, or RS-232
- Control drivers available for Enado and other major control systems such as Crestron, AMX, RTI, Control4 and Elan

In the Box

1 x MX-0404-HDBT-H2 HDBaseT Matrix Switcher
4 x HDBaseT PoH display receivers
1 x Handheld IR Remote
4 x IR emitters
1x AC Power Cord with US Plug
1x AC Power Cord with UK Plug

1x AC Power Cord with EU Plug
1x USB to UART Serial Cable
2x Mounting Brackets and accessories (matrix)
8x Mounting brackets and accessories (receivers)
1x Quickstart Guide

Specifications

Audio and Video	
Inputs	Matrix: 4x HDMI 19-pin type A female Receiver: 1x HDBaseT 8-pin RJ-45 female
Outputs	Matrix: 4x HDBaseT 8-pin RJ-45 female 4x S/PDIF Out RCA Digital Coax 4x Audio Out Stereo Pairs RCA Analog Coax (Audio from Source or HDMI Output) Receiver: 1x HDMI 19-pin type A female
Audio Formats	HDMI/HDBaseT: 2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos S/PDIF: 2ch PCM Multichannel: Up to 5.1 DTS and Dolby Digital Analog: 2ch Analog
Video Resolutions (Max)	HDMI 1920x1080p @60Hz 12bit (15m/50ft) @60Hz 16bit (7m/23ft) 3840x2160p @30Hz 4:4:4 8bit (7m/23ft) @24Hz 4:2:0 HDR 10bit per channel (3m/9.8ft) 4096x2160p @60Hz 8bit 4:2:0 (7m/23ft) @60Hz 8bit 4:4:4 (7m/23ft)
	Using Cat6 1920x1080p @60Hz 12bit (70m/230ft) 16bit (70m/230ft) 3840x2160p @30Hz 4:4:4 8bit (35m/115ft) @24Hz 4:2:0 HDR 10bit (35m/115ft) 4096x2160p @60Hz 4:2:0 8bit (35m/115ft)
	Using Cat6a/7 1920x1080p @60Hz 12bit (70m/230ft) @60Hz 16bit (70m/230ft) 3840x2160p @30Hz 4:4:4 8bit (40m/131ft) @24Hz 4:2:0 HDR 10bit (40m/131ft) 4096x2160p @60Hz 4:2:0 8bit (40m/131ft)
Color Depth	1080p: 16bit 4K UHD: 8bit HDR @24p: 10bit BT.2020
Maximum Pixel Clock	HDMI: 600MHz HDBaseT: 297MHz
Communication and Control	
HDMI	HDMI HDCP 2.2 EDID DVI-D with adapter (not included)
HDBaseT	HDMI HDCP 2.2 EDID CEC 1-way PoH to receiver Bidirectional IR
Ethernet	Matrix Only: 1x 8-pin RJ-45 female 10/100 Mbps auto-negotiating Built-in Web UI IP Control
IR	Matrix: 1x Front Panel IR Sensor 1x IR Ext 3.5mm (1/8in) TRS Stereo Matrix Control 4x IR TX 3.5mm (1/8in) TS Mono 4x IR RX 3.5mm (1/8in) Stereo Transmits via HDBaseT Receiver: 1x IR TX 3.5mm (1/8in) TS Mono 1x IR RX 3.5mm (1/8in) TRS Stereo Transmits via HDBaseT
RS-232	Matrix Only: 1x 9-pin DB9 Female Matrix Control (Telnet commands supported)
Power	
Power Supply	100~240V AC 50/60Hz
PoH	48V 15.4W (each HDBT output)
Max Power Consumption	70w
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	239 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	Matrix: 1U Receivers: 0.34U
Height With Without Feet	51.3mm/2.02in N/A 43.5mm/1.72in 15mm/0.6in
Width With Without Brackets	482.6mm/19in N/A 440mm/17.33in 135mm/5.32in
Depth With Without Handles	N/A N/A 300.1mm/11.82in 74.2mm/2.93in
Weight	4kg/8.8lbs 0.4kg/0.88lbs
Regulatory	
Safety and Emission	CE FCC RoHS

Right Product for the Right Application.

