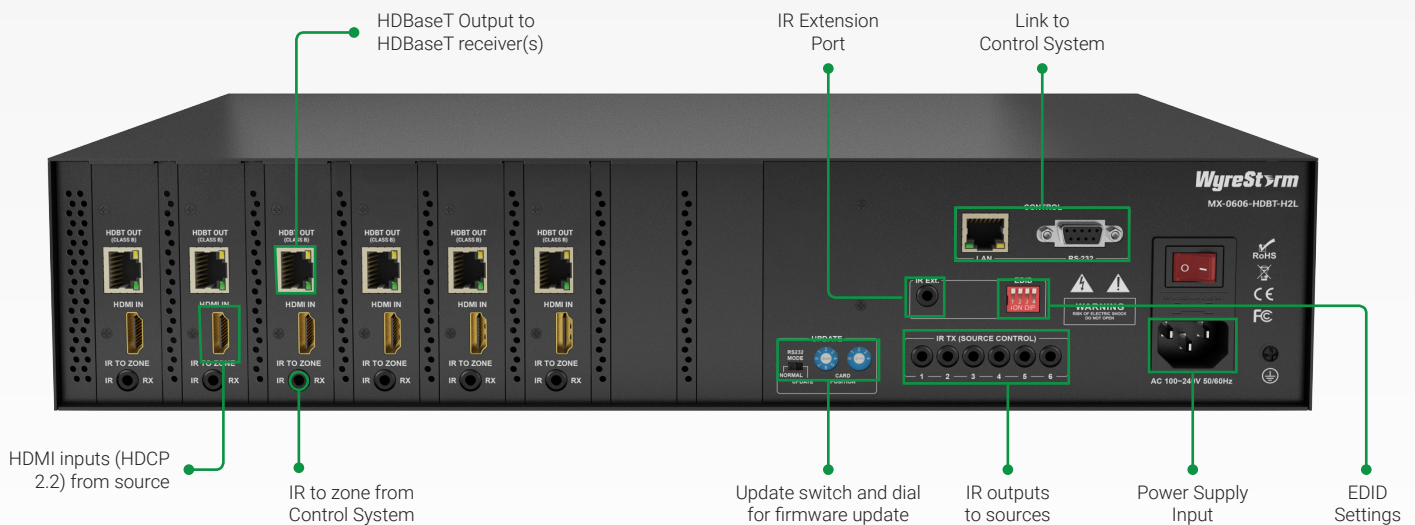


6x6 4K HDR HDBaseT™ Matrix Switcher, including SmartEDID and HDCP 2.2 Support (4K : 35m/115ft | 1080p: 70m/230ft)

MX-0606-HDBT-H2L

WyreStorm

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

For the slightly smaller project, the 6x6 model in the WyreStorm's H2L Series of matrix switchers offers the same exceptional value and distribution quality utilizing HDBaseT™ Class B technology to handle transmission of both 2K and 4K UHD video sources, including HDR, HDCP 2.2 and multichannel audio up to DTS:X and Dolby Atmos up to 35m/115ft or 1080p to 70m/230ft.

The H2L combines residential-focused features such as PoH to remotely power receivers and QuickSync™ instant switching for uncompressed single frame end-to-end latency.

Key Features

- Independent switching and control of up to six 4K UHD or HD HDMI sources to six individual 4K UHD or HD HDMI display zones using HDBaseT™ Class B technology
- 4K@60Hz 8bit 4:2:0 and 4K HDR @24Hz 10bit with chroma sub-sampling rate of 4:2:0 supported to 35m/115ft
- 1080p@60Hz 48bit color supported to 70m/230ft (including 3D)
- HDMI Inputs support 18Gb/s bandwidths
- HDCP 2.2 encryption technology supported
- Multichannel audio up to 7.1 including DTS:X and Dolby Atmos
- PoH technology powers the receivers from the matrix
- SmartEDID™ removes conflict when mixing 1080p & 4K displays by dynamically detecting display/source capabilities and automatically outputting the highest possible resolution compatible for displays
- QuickSync™ technology for near instant seamless I/O switching
- Manual EDID management via DIP to read and copy EDID from connected devices to aid communication and device compatibility
- Flexible control options – front panel push button, local IR, IR call-back from remote locations, local RS-232, and LAN, including Telnet and WebUI
- Embedded WyreStorm WebUI allows installer setup and configuration and provides simple source switching interface
- Bidirectional IR pass-through for source and sink control via discrete IR control with IR Code Edit function
- Local RS-232 serial control with drivers for leading third party control systems available
- Additional infrared extension port for longer IR connections
- Remote control able to be learned into a universal remote handset to allow the control of multiple devices from one handset
- Conforms to IEEE-568B standards

In the Box

1x MX-0606-HDBT-H2L Matrix Switcher
1x IR Remote Handset
1x IR Receiver (38KHz)
6x IR Emitters

1x 100~240V AC 50/60Hz Power Cord (US | EU | UK)
2x Mounting Brackets
1x Quickstart Guide

Specifications

Audio and Video				
Inputs	6x HDMI 19-pin type A			
Outputs	6x HDBaseT 8-pin RJ-45 female			
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	3m/10ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A
Color Depth	1080p: 16bit 4K UHD: 8bit HDR @24p: 10bit BT.2020			
Maximum Pixel Clock	HDMI: 600mHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDCP 2.2 EDID DVI-D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID 1-way PoH to Receiver Bidirectional IR			
IR	1x IR Ext - 3.5mm (1/8in) TRS Stereo Matrix Control 6x IR RX - 3.5mm (1/8in) TRS Stereo 6x IR TX - 3.5mm (1/8in) TS Mono Transmits to receiver via HDBaseT			
RS-232	Matrix Control Firmware Updates			
Power				
Power Supply	100~240V AC 50/60Hz			
PoH	48V 15.4W (each HDBT output)			
Max Power Consumption	140W			
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	477.6 BTU/hr			
Dimensions and Weight				
Rack Units Wall Box	2U			
Height With Without Feet	95.7mm/3.7in 87.7mm/3.4in			
Width With Without Rack Ears	487.2mm/19in 438mm/17.1in			
Depth With Without Handles	423.7mm/16.5in 397.5mm/15.5in			
Weight	8.48kg/18.66lbs			
Regulatory				
Safety and Emission	CE FCC RoHS			

Right Product for the Right Application.

