

# 4K UHD HDBaseT™ Matrix Switchers with Included Receivers & Audio Breakout

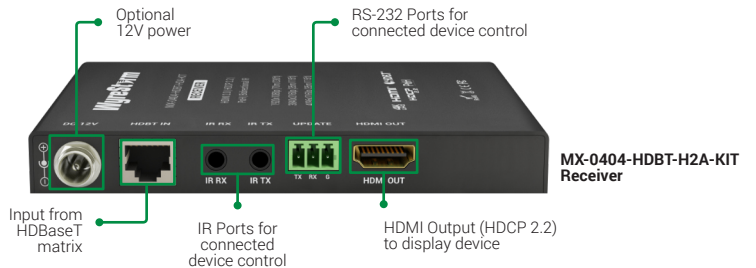
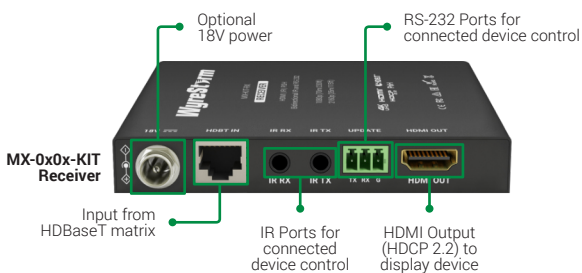
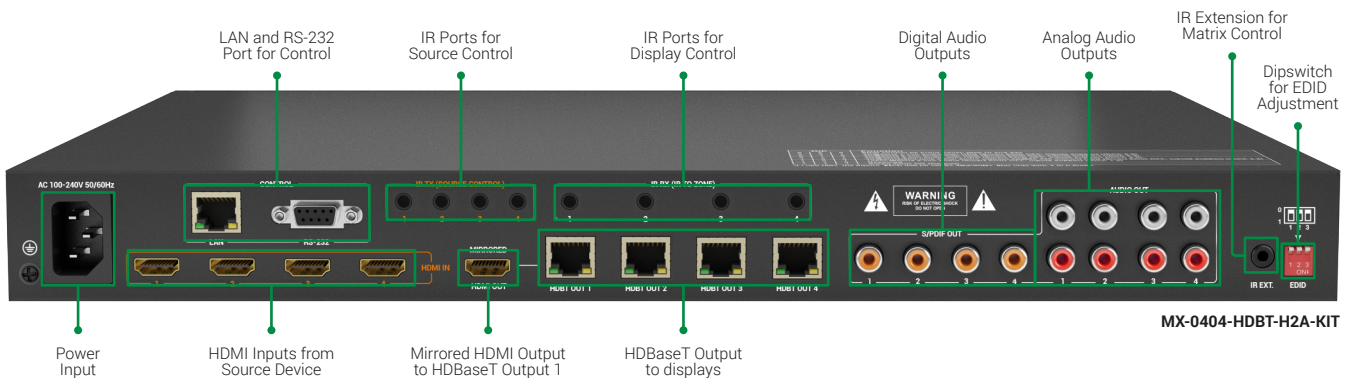
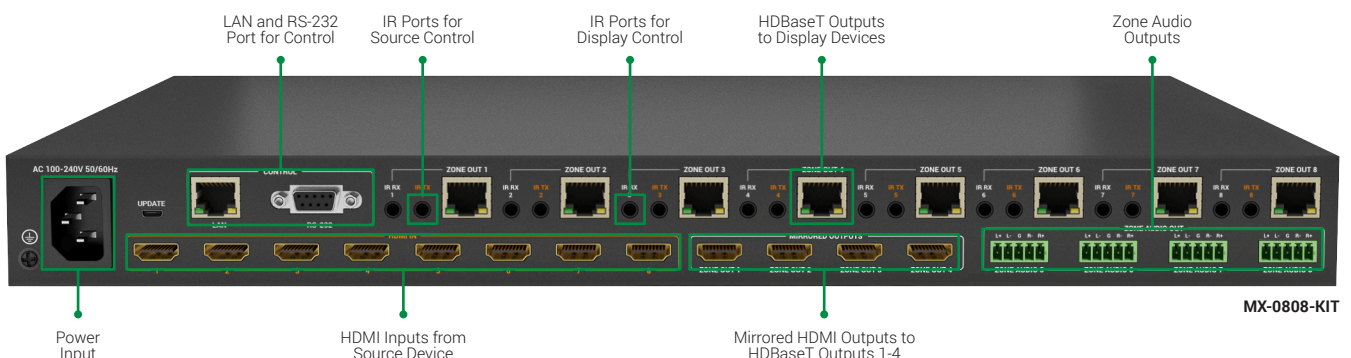
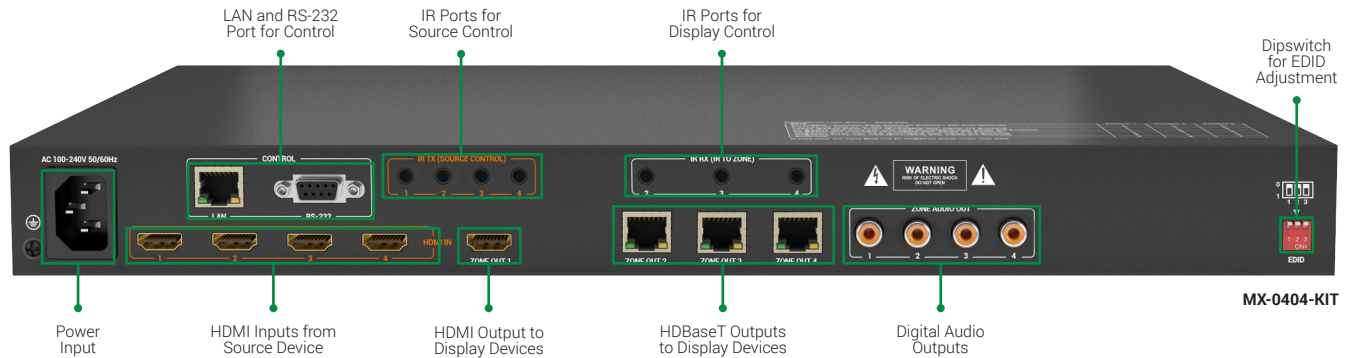
## MX KIT Full Product Range



## Specification Sheet



WyreStorm - Powerful. Reliable. Simple.



## Key Features

- 4K UHD HDBaseT™ Matrix Switch supporting:
  - Content up to 4K/60 4:2:0 8-bit or 4K/30 4:2:0 10-bit
  - The latest HDR standards, including 30Hz HDR-10 & Dolby Vision
  - 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
- True matrix with HDBaseT zones and switched HDMI outputs
- HDBaseT enables 60Hz 4K UHD content (8-bit) to be sent over HDBaseT to 35m/115ft
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices (up to 9Gbps or 4K/30)
- 8 assignable Toslink outputs allow audio to be independently de-embedded from outputs or inputs
- 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
- Embedded WyreStorm WebUI enables simple installer set-up & configuration
- WebUI includes full EDID management to copy EDID from connected devices
- Independent user control interface with separate password-protected installer settings
- Personalized switching interface with source and output labelling
- Hide unused I/O for cleaner appearance and navigation

### In the Box (MX-0404-HDBT-H2A-KIT)

1x MX-0404-HDBT-H2A-KIT HDBaseT Matrix Switcher  
 4x Receivers  
 1x AC Power Cord (US/UK/EU)  
 1x IR Remote (Battery not Included)

### In the Box (MX-0x0x-KIT)

1x MX-0x0x-KIT Matrix  
 3/8x MX-KIT-RX Receivers  
 1x AC Power Cord (US/UK/EU/AU)  
 1x IR Remote (Battery not Included)

- Assign a different EDID to each connected source device
- API triggered standby mode puts unit into low power state during downtime
- Flexible control options – front panel buttons, infrared remote control, local IR, RS-232, Telnet or WebUI
- 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
- 2-way IR for far-end device control from control system or source control from a zone.
- Multichannel audio up to 7.1 including DTS:X and Dolby Atmos
- Internal audio switching allows de-embedded audio from sources or HDBaseT™ output
- HDMI Inputs and Outputs support bandwidths of 18Gb/s
- Mirrored HDMI output allows connection of a local AVR, local screen or additional display over distance via an HDBaseT™ extender or Hybrid Active Optical Cable (CAB-HAOC-xx)
- PoH technology powers the receivers from the matrix
- CEC triggering of connected screens
- QuickSync™ technology for instant seamless I/O switching
- IR 3.5mm mini-jack ports for each output for IR emitters and IR receivers
- 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
- Transmit content from HDMI outputs 1&2 up to 50m/164ft using a WyreStorm HAOC HDMI cable

4x IR Emitters  
 4x IR Receivers  
 1x IR Extension Cable  
 2x Matrix Mounting Brackets  
 8x Receiver Mounting Brackets (2 per RX)  
 1x Quickstart Guide (this document)

4/8x IR Emitters  
 3/8x IR Receivers  
 2x Matrix Mounting Brackets  
 6/16x Receiver Mounting Brackets (2 per RX)  
 1x Quickstart Guide (this document)

## Specifications

	MX-0404-HDBT-H2A-KIT	MX-0404-KIT	MX-0808-KIT
<b>Audio and Video</b>			
<b>Inputs</b>	4x HDMI In: 19-pin type A	4x HDMI In: 19-pin type A	8x HDMI In: 19-pin type A
<b>Outputs</b>	1x HDMI In 19-pin type A 4x HDBaseT 8-pin RJ-45 4x S/PDIF Out: RCA 4x Analog Audio Out: RCA	4x S/PDIF Out: RCA 3x HDBT Out: 8-pin RJ-45 1x HDMI Out: 19-pin type A	8x HDBT Out: 8-pin RJ-45 4x 5-pin Balanced Analog Audio
<b>Output Video Encoding</b>	HDBaseT Class B		
<b>Encoding Data Rate</b>	9.2Gbps		
<b>End to End Latency (Max)</b>	10µs (micro seconds)		
<b>Audio Formats</b>	HDMI/HDBaseT: 2ch LPCM   Multichannel up to Dolby Atmos and DTS-X Analog Output: 2ch PCM		
<b>Supported Standards</b>	DCI   RGB   HDR10   HLG   BT.2020		
<b>Video Resolution (Max)</b>	<b>Video Resolution</b>		
	1920x1080p @60Hz 16bit		
	3840x2160p @24Hz 10bit 4:2:0 HDR		
	3840x2160p @30Hz 8bit 4:4:4		
	3840x2160p @60Hz 8bit 4:2:0		
	<b>Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference</b>		
<b>Maximum Pixel Clock</b>	HDBaseT: 340MHz		
<b>Communication and Control</b>			
<b>HDMI</b>	HDMI   HDCP 2.2   EDID   CEC		
<b>HDBaseT</b>	HDMI   HDCP 2.2   EDID   CEC   1-way PoH   Bidirectional IR		
<b>Consumer Electronics Control (CEC)</b>	CEC power triggering for connected screens – Requires CEC compatibility		
<b>IR</b>	1x IR Ext 3.5mm (1/8in) 4x IR TX 3.5mm (1/8in) 4x IR RX 3.5mm (1/8in) Stereo	3x IR RX: 3.5mm (1/8in) 4x IR TX: 3.5mm (1/8in)	8x IR RX: 3.5mm (1/8in) 8x IR TX: 3.5mm (1/8in)
<b>RS-232</b>	1x RS-232: 9-pin DB9 (matrix control only)	1x RS-232: 9-pin DB9 (matrix control only)	1x RS-232: 9-pin DB9 (matrix control only)
<b>Ethernet</b>	1x LAN: 8-pin RJ-45	1x LAN: 8-pin RJ-45	1x LAN: 8-pin RJ-45
<b>Power</b>			
<b>Power Supply</b>	100~240V AC 50/60Hz	100~240V AC 50/60Hz	100~240V AC 50/60Hz
<b>PoH</b>	1-way Matrix to Receiver		
<b>Max Power Consumption</b>	54W	48.2W	105.4W
<b>Environmental</b>			
<b>Operating Temperature</b>	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing		
<b>Storage Temperature</b>	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing		
<b>Maximum BTU</b>	184.25 BTU/hr	164 BTU/hr	374 BTU/hr
<b>Dimensions and Weight</b>			
<b>Rack Units/Wall Box</b>	1U	1U	1U
<b>Height</b>	43.5mm/1.72in	43.5mm/1.72in	43.5mm/1.72in
<b>Width</b>	440mm/17.33in	440mm/17.33in	440mm/17.33in
<b>Depth</b>	300mm/11.82in	300mm/11.82in	300mm/11.82in
<b>Weight</b>	4.06kg/8.93lbs	4.06kg/8.93lbs	4.06kg/8.93lbs
<b>Regulatory</b>			
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC		