

6x6 Class A HDBaseT matrix with ARC and HDCP 2.2 support (70m/230ft)

MX-0606-HDBT-H2



Key Features

- Supports transmissions of 4K@60Hz 4:2:0 (70m/230ft) | 1080p@60Hz 48bit (100m/328ft)
- Class A HDBaseT transmission supporting 5Play
- Latest encryption technology ensuring compatibility with HDCP 2.2 content
- S/PDIF audio breakout for 2x ARC (Audio Return Channel) zones
- Mirrored HDMI outputs for connection of additional sink devices
- PoH technology powers receivers from the matrix - no local power required at display zones

Our hugely popular 6x6 form-factor now has been made part of the H2 matrix switcher family. The MX-0606-HDBT-H2 matrix brings the latest in 4K and HDCP 2.2 support. All 6 inputs and 6 HDBaseT outputs support the newest generation of HDCP encryption ensuring the best compatibility with the newest UHD source devices. Additionally we have made allowance for 4 mirrored HDMI outputs, meaning 10 sink devices can be supported from this matrix. New to the H2 family is the ability to support ARC, meaning that the on-demand audio from your smart TV can now be sent from the zone to the matrix where it can be fed into an AVR or audio system. Controlling this device couldn't be easier, with no less than 6 options: Local buttons & IR, RS-232, LAN, IR call-back and our new Web UI.

Additional Features & Benefits

- Independent switching and control of up to six 4K/UHD or HD HDMI sources to six individual display zones
- HDBaseT 5Play compliant for distribution of video, audio, bi-directional IR, Power to remote HDBaseT receiver and Ethernet along a single Cat5/52/6/6a cable
- 4K@60HZ 24bit with chroma sub-sampling rate 4:2:0 | 1080p@60Hz 48bit Deep Color
- Multichannel audio up to 7.1 including DTS Master HD & Dolby TrueHD
- Additional ARC zones possible by combining with an EX-70-4K-ARC extender via a mirrored HDMI output
- Full 3D up to 1080p@60Hz
- Flexible control options – front panel push button, local IR, IR call-back from remote locations, local RS-232, and LAN, including Telnet and Web UI
- Embedded WyreStorm WebUI enables simple source switching and installer set-up and configuration
- Bi-directional, wide range IR control of inputs/outputs from source and display locations via discrete IR control with IR Code Edit function
- Local RS-232 serial control with available drivers for leading third party control systems
- Additional infrared extension port for longer IR connections
- EDID management via DIP switches and Web UI to aid communication and device compatibility
- QuickSync™ technology for virtually instantaneous I/O switching
- Stylish chassis design with laser-engraved aluminium front fascia and ice-blue LED display
- 3 year warranty

In the Box

1x MX-0606-HDBT-H2 Matrix Switcher
 1x IR Remote Handset
 1x IR Receiver (38KHz)
 6x Wide-band IR Receivers (30-50KHz)
 6x IR Emitters
 1x USB to DB9 RS-232 Cable

1x 100~240V AC 50/60Hz Power Cord with US Plug
 1x 100~240V AC 50/60Hz Power Cord with UK Plug
 1x 100~240V AC 50/60Hz Power Cord with EU Plug
 1x USB to DB9 Male RS-232 Cable
 2x Mounting Brackets
 1x Quickstart Guide

Specification

Audio and Video	
Inputs	6x HDMI 19-pin type A
Outputs	6x HDMI 19-pin type A 6x HDBaseT 8-pin RJ-45 female
Audio Formats	2ch analog and Up to 7.1 DTS-HD Master Audio and Dolby TrueHD
Video Resolution	1920x1080@60Hz (1080p60) 4096x2160p@30Hz 4:2:0 (4K)
Color Depth	1080p: 36bit 4K: 24bit
Maximum Pixel Clock	297MHz
Communication and Control	
HDMI	HDCP EDID DVI/D supported with adapter (not included)
HDBaseT	HDCP EDID ARC PoH Bi-directional IR, RS-232, and Ethernet
RS-232	Matrix Control Bi-directional over HDBaseT
Ethernet	1x 8-pin RJ-45 female Web UI IP Control Bi-directional over HDBaseT
IR	1x IR Ext - 3.5mm (1/8in) Stereo 6x IR TX/RX - 3.5mm (1/8in) Mono Matrix Control Bi-directional over HDBaseT
Audio Return Channel	Returns audio to source location from remote display via HDBaseT Transmission modules 5-6 only

Power	
Power Supply	Input: 100~240V AC 50/60Hz
PoH	48V 15.4W
Max Power Consumption	21W
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
Max BTU	71.65 BTU/hr
Dimensions and Weight	
Height	87.7mm/3.36in
Width	438mm/17.25in
Depth	396mm/15.6in
Weight	8.2kg/18.04lbs
Regulatory	
Safety and Emission	CE FCC RoHS

Basic Wiring Diagram

