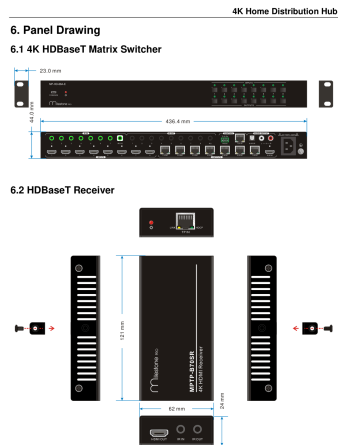


MP-HD-88A-E-KIT

4K Home Distribution Hub • 8×8 HDBaseT Matrix Switcher Kit



32

Professional 4K HDBaseT Home Distribution Hub Kit designed for centralized distribution of HDMI video and audio to multiple zones, with IR, RS232 and TCP/IP control. The kit includes one matrix switcher and seven HDBaseT receivers.

Key Features

- 8 HDMI inputs with support up to 4K×2K@60Hz (4:2:0).
- 7 HDBaseT outputs + 1 HDMI output.
- 4K transmission up to 40 m via HDBaseT; 1080p up to 70 m over Cat5e/6.
- HDBaseT receivers powered from the matrix using PoC technology.
- HDCP 2.2 support with backward compatibility; HDCP 1.4 support on HDBaseT output path.
- EDID management with built-in EDID data and manual EDID learning/invoking.
- Control via front-panel buttons, IR, RS232 and TCP/IP web-based GUI.
- CEC support and Micro USB firmware upgrade port.
- Digital and analogue audio de-embedding via SPDIF and L/R RCA outputs.
- Rack-mounting design with mounting hardware included.

Matrix Switcher — Specifications

Model	MP-HD-88A-E-KIT (kit)
Video Inputs	8 × HDMI
Input Connector	Female HDMI
Input Level	T.M.D.S. 2.9V–3.3V
Input Impedance	100Ω (Differential)
HDMI Standard	4K@60 4:2:0, HDCP 2.2; backward compatible with previous standards
Video Outputs	7 × HDBaseT + 1 × HDMI
HDBaseT Connector	Female RJ45 with LED indicators
Video Signal	HDMI (or DVI-D)
Transmission Distance	1080p@60Hz ≤70 m; 4K×2K@60Hz ≤40 m
Resolution Range	Up to 4K×2K@60Hz
EDID Management	Built-in EDID data and manual EDID management
Gain	0 dB
Bandwidth	10.2 Gbit/s
Switching Speed	200 ns (Max.)
Audio Output	Stereo audio; digital audio
Analogue Audio	PCM via 1 × L/R RCA
Digital Audio	PCM, Dolby, DTS, DTS-HD via 1 × SPDIF
Frequency Response	20 Hz–20 kHz
IR / Control Ports	8 × IR OUT, 1 × IR ALL OUT, 7 × IR IN, 1 × IR EYE
Network Control	1 × TCP/IP, female RJ45; web-based GUI
Serial Control	1 × RS232, 3-pin pluggable terminal block
Power Supply	AC100–240V~, 50/60Hz
Power Consumption	93 W (Max.)
Operating Temperature	0 to +50°C
Reference Humidity	10%–90%
Dimensions (W×H×D)	436.4 × 44.0 × 300.0 mm
Net Weight	2.9 kg

HDBaseT Receiver — Specifications

Input	1 × HDBaseT
Input Connector	Female RJ45 with LED indicators
Output	1 × HDMI
Output Connector	Female HDMI
IR Control	1 × IR IN + 1 × IR OUT; 3.5 mm mini jacks
Resolution Range	Up to 4K×2K@60Hz

Transmission Mode	HDBaseT
Transmission Distance	1080p@60Hz ≤70 m; 4K×2K@60Hz ≤40 m
Bandwidth	10.2 Gbps
HDMI Standard	HDMI 1.4 and HDCP 1.4
Operating Temperature	0 to +50°C
Humidity	10%–90%
Power Supply	Powered by 4K HDBaseT Matrix Switcher (PoC)
Dimensions (W×H×D)	62 × 24 × 121 mm
Net Weight	280 g

Kit Contents

Matrix	1 × 4K HDBaseT Matrix Switcher
Receivers	7 × HDBaseT Receivers
Accessories	1 × optional power cord; 1 × IR receiver; 1 × IR remote; 1 × RS232 cable (Phoenix to DB9)
Mounting Hardware	Matrix: 2 × mounting ears + 6 × screws; Receivers: 14 × mounting ears + 28 × screws
Pads	4 × trapezoidal plastic pads (matrix); 28 × round plastic pads (receivers)
Documentation	1 × User Manual

Reference: specifications and product visuals are based on the supplied MP-HD-88A-E-KIT user manual. Product pictures in the manual are stated as reference images; final product specifications are subject to the actual product.