

MP-HD-44A-E Kit

4K Home Distribution Hub



Product Overview

Professional 4K HDBaseT Home Distribution Hub Kit comprising a 4K HDBaseT Matrix Switcher, three HDBaseT Receivers and accessories. The matrix provides 4 HDMI inputs, 3 HDBaseT outputs, 1 HDMI output and integrated audio/control interfaces.

Key Features

- Supports HDMI 1.4 and HDCP 2.2; backward compatible with previous standards.
- Supports 4K×2K@60Hz 4:2:0 and 1080p 3D.
- Transmission up to 40 m at 4K×2K@60Hz and up to 70 m at 1080p@60Hz over HDBaseT.
- Three HDBaseT outputs with PoC power to the supplied receivers.
- Manual HDCP management and automatic detection.
- Control via front-panel buttons, IR, RS232 and TCP/IP; built-in web GUI.
- Bi-directional IR and RS232 control; selectable audio source via RS232/TCP/IP.
- Built-in EDID management, non-volatile memory and Micro USB firmware upgrade.
- Rack-mounting design for easy installation.

Matrix Switcher — Video & Audio Specifications

Category	Specification
Video Input	4 × HDMI; female HDMI connectors
Input Level / Impedance	T.M.D.S. 2.9–3.3 V / 100 Ω differential
HDMI Input Standard	HDMI 1.4 & HDCP 2.2; backward compatible
Video Output	1 × HDMI + 3 × HDBaseT
Output Connectors	Female HDMI; female RJ45 with LED indicators
HDMI Output Standard	HDMI 1.4 & HDCP 1.4; backward compatible
Video Signal	HDMI or DVI-D
Resolution	Up to 4K×2K@60Hz
Transmission Distance	1080p@60Hz ≤70 m; 4K×2K@60Hz ≤40 m
EDID	Built-in EDID data and manual EDID management
Bandwidth	10.2 Gbit/s
Switching Speed	200 ns (max.)
Gain	0 dB
Audio Output	1 × L/R RCA + 1 × S/PDIF
Analog Audio	PCM
Digital Audio	PCM, Dolby, DTS, DTS-HD
Frequency Response	20 Hz–20 kHz

Control & General Specifications

Category	Specification
Control Ports	4 × IR OUT; 3 × IR IN; 1 × IR EYE; 1 × TCP/IP (RJ45); 1 × RS232 (3-pin pluggable terminal block)
Panel Control	Front-panel buttons
RS232 Control	3-pin pluggable terminal block
IR Control	Extended IR receiver
TCP/IP Control	Web-based GUI
Power Supply	Input: 100–240 V~, 50/60 Hz; Output: DC 24 V, 2.71 A
Power Consumption	35 W max.
Operating Temperature	0 to +50 °C
Reference Humidity	10%–90%
Matrix Dimensions (W×H×D)	360 × 28 × 150 mm
Matrix Net Weight	910 g

HDBaseT Receiver Specifications

Category	Specification
Input / Connector	1 × HDBaseT / female RJ45 with LED indicators
Output / Connector	1 × HDMI / female HDMI
IR Control	1 × IR IN + 1 × IR OUT; 3.5 mm mini jacks
Resolution	Up to 4K×2K@60Hz
Transmission Distance	1080p@60Hz ≤70 m; 4K×2K@60Hz ≤40 m
Bandwidth	10.2 Gbps
HDMI Standard	HDMI 1.4 & HDCP 1.4
Temperature / Humidity	0 to +50 °C / 10%–90%
Power	Powered by the 4K HDBaseT Matrix Switcher
Dimensions (W×H×D)	61 × 24 × 120 mm
Net Weight	280 g

Kit Includes

- 1 × MP-HD-44A-E 4K HDBaseT Matrix Switcher
- 3 × MPTP-B70R HDBaseT Receivers
- 1 × DC 24 V, 2.71 A power adapter
- 1 × power cord (optional)
- 4 × IR emitters (optional); 3 × IR receivers (optional)
- 1 × IR receiver for IR EYE port; 1 × IR remote
- 1 × RS232 cable (Phoenix to 9-pin D-Sub)
- Mounting ears, screws and plastic pads for matrix and receivers
- 1 × user manual

Source: supplied MP-HD-44A-E Kit User Manual, including the specification tables on manual pages 28–29. Product image reproduced from the supplied manual cover.