



PRODUCT OVERVIEW

The MPHT-4T-H2 KIT accepts one HDMI input and distributes it to one local HDMI output and four HDBaseT outputs. It supports HDMI 2.0, up to 4K@60Hz 4:4:4 8-bit video, bidirectional IR, RS232 cascade control, audio de-embedding and 24V PoC, with transmission up to 40m for 4K and 70m for 1080p over a single CATx cable.

KEY FEATURES

- HDMI 2.0; video resolutions up to 4K@60Hz 4:4:4.
- 1x HDMI input → 1x HDMI local output + 4x HDBaseT outputs.
- Transmission distance up to 40m for 4K and 70m for 1080p.
- Video down-scaling: 4K input can be automatically downgraded to 1080p output.
- Audio de-embedding via SPDIF and balanced L/R output.
- Bidirectional IR pass-through on each HDBaseT output.
- RS232 and IR cascade control; 24V PoC for HDBaseT receivers.

HDBaseT SPLITTER — SPECIFICATIONS

Parameter	Specification
Video Input	1 × HDMI; Female Type-A HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4 8-bit
Video Output	1 × HDMI + 4 × HDBT
Output Connectors	1 × Female Type-A HDMI; 4 × RJ45
HDMI Output Resolution	Up to 4K@60Hz 4:4:4
HDBT Output Resolution	Up to 4K@60Hz 4:4:4 (signal compressed)
Audio Output	1 × SPDIF (Toslink) + 1 × Stereo Balanced L/R
Audio Formats	LPCM 2ch; Dolby Digital 2ch/5.1ch/7.1ch; Dolby TrueHD 7.1ch; DTS 2ch/5.1ch
HDMI Standard / HDCP	HDMI 2.0 / HDCP 2.2
Transmission Standard	HDBaseT
Transmission Distance	1080p ≤ 70m; 4K ≤ 40m

Parameter	Specification
Control	EDID, Firmware, ID Preset, IR, RS232
Operating Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% to 90%
Power	24V DC 5A; 47W Max
Dimensions (W×H×D)	250 × 44 × 148 mm
Net Weight	1.16 kg

HDBaseT RECEIVER — MP-T70SR-H2

Parameter	Specification
Input	1 × HDBT via RJ45
Input Resolution	Up to 4K@60Hz 4:2:0
HDMI Output	1 × Type-A female HDMI
Output Resolution	Up to 4K@60Hz 4:4:4 8-bit, HDR10
Audio Breakout	1 × Toslink; PCM, Dolby Digital, Dolby TrueHD, DTS, DTS-HD
Bandwidth	18Gbps
HDMI Standard	2.0
HDCP	2.2, 1.4 compliant
PoC	Bidirectional PoC supported
HDMI Cable Length	4K@60Hz 4:4:4 ≤ 5m; 4K@60Hz 4:2:0 ≤ 10m; 1080p ≤ 15m
Transmission Distance	1080p@60Hz ≤ 70m; 4K@60Hz ≤ 40m
Control	Firmware, IR In, IR Out, RS232
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% to 90%
Power Supply	Input 100–240V AC; Output 24V DC 1.25A
Power Consumption	12W Max
Dimensions (W×H×D)	140 × 19.5 × 84 mm
Net Weight	290 g

KIT CONTENTS

Item	Included
Splitter	1 × MPHT-4T-H2 1×4 HDBaseT Splitter
Receivers	4 × MP-T70SR-H2 HDBaseT Receivers
Power	1 × 24V DC 5A power adapter
Cables / Accessories	RS232 cables, IR cables, IR receivers/emitters, terminal blocks, mounting ears & plastic cushions
Documentation	1 × User Manual

INSTALLATION / COMPATIBILITY NOTES

Use a quality CAT Ethernet cable compliant with CAT6e or higher for reliable transmission. The system supports cascade connection; each splitter should have a unique ID when using RS232 control. The supplied manual specifies that SPDIF audio output does not support DTS-HD Master Audio and Dolby TrueHD.

Source: MPHT-4T-H2 KIT User Manual, Version MPHT-4T-H2 KIT_2019V1.1. All specifications above are taken from the supplied manual.