

4K60 1x4 HDMI Distribution Amplifier over CAT6 — 150m/492ft





Extend One Source to Four Receivers with HDR, HDCP 2.2, PoC & Balanced Audio Extraction

MPN: SP-1X4HD150M



Distributes one 4K60 4:4:4 HDMI source to four displays over CAT6 at distances up to 120m (4K) or 150m (1080p) — eliminating the need for repeaters, fiber converters, or separate power supplies at each endpoint. The SP-1X4HD150M ships as a complete TX/4xRX kit with Power over Cable, bi-directional IR, RS-232 pass-through, and both coaxial and balanced analog audio de-embedding on the transmitter.

Built for commercial AV installations in lecture halls, houses of worship, corporate campuses, and hospitality venues, the kit supports HDMI 2.0b with HDCP 2.2/1.x compliance, HDR/HDR10+/HLG/Dolby Vision pass-through, and up to 7.1-channel HD audio including Dolby TrueHD and DTS-HD Master Audio. A 27-preset EDID DIP switch plus full ASCII command control via RS-232 simplify integration with Crestron, Extron, and other control processors. The locking 24V DC power adapter and metal enclosure meet the reliability demands of permanent installations.

 4K60 4:4:4 HDR 18 Gbps	 150m 492ft over CAT6/6a/7	 1x4 TX + 4 RX Complete Kit	 PoC Power over Cable Single PSU	 Control RS-232 / IR EDID Mgmt
--	---	--	---	---

KEY FEATURES

- HDMI 2.0b, HDCP 2.2/1.x compliant with 18Gbps video bandwidth — supports 4K2K@60Hz 4:4:4
- Extends 4K60 up to 120m (394ft) and 1080p up to 150m (492ft) over a single CAT6/6a/7 cable per receiver
- Complete TX + 4xRX kit — 1 HDMI input, 1 HDMI loop output, and 4 HDBaseT outputs
- HDR, HDR10+, HLG, and Dolby Vision pass-through preserves HDR metadata end-to-end
- Up to 7.1-channel HD audio pass-through — LPCM, Dolby TrueHD, DD+, DTS-HD Master Audio, DTS-X
- Coaxial (RCA) and balanced analog (5-pin phoenix) audio de-embedding on the transmitter
- Bi-directional IR and RS-232 pass-through between transmitter and each receiver
- 27-preset EDID DIP switch with RS-232 ASCII command control (115200 baud)
- One-way PoC powers all four receivers from the transmitter — single 24V/2.7A locking power adapter

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.2/1.x • 594 MHz / 18 Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4 • 8/10/12-bit
HDR Formats	HDR • HDR10+ • HLG • Dolby Vision
Audio (Pass-through)	LPCM 2.0–7.1, DD, DD+, TrueHD, DTS-ES, DTS-HD MA, DTS-X
Audio (De-embed)	Coax: PCM 2.0, DD/DD+, DTS • Analog: PCM 2.0 (5-pin phoenix)
TX I/O	1x HDMI In • 1x HDMI Loop • 4x RJ45 Out • Coax + Phoenix Audio • IR • RS-232
RX I/O	1x RJ45 In • 1x HDMI Out • 3.5mm Audio • IR In/Out • RS-232 • Service USB
Control	RS-232 (3-pin Phoenix, 115200 baud) • 27-preset EDID DIP • Bi-directional IR
Transmission	4K60: 120m/394ft • 1080p: 150m/492ft • CAT6/6a/7 STP
Enclosure / Power	Metal • TX: 220x130x40mm • RX: 140x65x18mm • DC 24V/2.7A locking • 35W • PoC • CE/FCC/UL

PACKAGE CONTENTS

1x 18Gbps HDMI 1x4 HDBaseT Splitter (TX) • 4x Premium Extender Receiver (RX) • 5x IR Blaster Cable • 5x IR Receiver Cable • 5x 3-pin Phoenix Connector • 1x 5-pin Phoenix Connector • 10x Mounting Ears • 1x 24V/2.7A Locking Power Adapter • 1x User Manual

