

4K HDMI Extender (50m) with eARC & S/PDIF Audio Return





Extend 4K60 Video and TV Audio over a Single CAT6/6a Cable — Dual-Mode eARC/S/PDIF, Bi-Directional IR, EDID Management

MPN: EXT-HD4KEARC-50M



Standard 4K HDMI extenders carry video over CAT cable but drop the audio return path — forcing integrators to run a second cable or add a standalone audio extractor when the TV needs to send eARC or ARC audio back to an AVR or soundbar. The KanexPro EXT-HD4KEARC-50M solves this by extending 4K60 4:4:4 HDMI video and eARC/S/PDIF audio return over a single CAT6/6a cable up to 50m/164ft, delivering both video and full-resolution audio return in one compact TX/RX kit.

A dual-mode dial switch on the receiver selects eARC for TVs that support it — passing PCM 7.1 192KHz, Dolby Atmos, and DTS:X — or S/PDIF for legacy TVs, carrying PCM 2.0, Dolby 5.1, and DTS 5.1 via optical. HDMI 2.0b and HDCP 2.2 compliant with HDR10, HDR10+, Dolby Vision, and HLG pass-through. Bi-directional wideband IR, CEC pass-through, and a 4-mode EDID DIP switch round out integration, while the compact metal enclosure and dual 5V power supplies keep installation simple.

 4K60 4:4:4 HDR 18 Gbps	 eARC Dolby Atmos DTS:X	 50m Single CAT6/6a Cable	 Dual-Mode eARC + S/PDIF Audio Return	 IR + CEC Bi-Directional Control
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KEY FEATURES

- Extends 4K60 4:4:4 HDMI video up to 50m/164ft over a single CAT6/6a cable with zero delay
- Dual-mode audio return: eARC (PCM 7.1 192KHz, Dolby Atmos, DTS:X) or S/PDIF (PCM 2.0, Dolby 5.1, DTS 5.1) — selectable via RX dial switch
- HDMI 2.0b and HDCP 2.2 compliant — supports protected 4K content from all major sources
- HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through for full dynamic range
- CEC pass-through and bi-directional wideband IR (20K–60KHz) for remote control integration
- 4-mode EDID DIP switch: copy sink, 4K60 2.0CH, 4K60 5.1CH, or copy sink video with S/PDIF audio
- S/PDIF optical path for legacy TVs without eARC — RX S/PDIF IN to TX S/PDIF OUT
- Compact metal enclosure (97 × 82 × 18mm per unit) with mounting ears included

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.2
Video Bandwidth	18 Gbps
Max Resolution	4K2K @ 60Hz 4:4:4 24-bit
HDR Formats	HDR • HDR10 • HDR10+ • Dolby Vision • HLG
eARC Audio	PCM 7.1CH 192KHz • Dolby Atmos • DTS:X
ARC/S/PDIF Audio	PCM 2.0 • Dolby 5.1CH • DTS 5.1CH
TX I/O	1× HDMI IN (eARC) • 1× S/PDIF OUT • 1× CAT OUT (RJ45) • IR IN/OUT • USB-C Service
RX I/O	1× HDMI OUT (eARC) • 1× S/PDIF IN • 1× CAT IN (RJ45) • IR IN/OUT • USB-C Service
Transmission Distance	50m / 164ft over CAT6/6a
Enclosure	Metal • Black • 97 × 82 × 18 mm • TX: 199g / RX: 196g
Power	DC 5V/2A per unit (2 included) • TX: 4.75W max • RX: 3.5W max • 0–40 °C

PACKAGE CONTENTS

- 1× 4K60 HDMI Extender (TX) • 1× 4K60 HDMI Extender (RX) • 1× IR Blaster Cable (1.5m) • 1× IR Wideband Receiver Cable (1.5m) • 2× 5V/2A Power Supply • 4× Mounting Ear • 8× Machine Screw • 1× User Manual



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