

HDMI eARC w/ S/PDIF Audio over CAT Extender 100m POC

Extend TV Audio to a Remote Soundbar or AVR Over a Single CAT Cable

MPN: AUD-EXT-EARC100M



Extends HDMI eARC or S/PDIF audio up to 100m/328ft over a single CAT cable, delivering lossless surround sound from a TV to a remote soundbar, AVR, or multi-room audio system. The transmitter connects to the TV's eARC/ARC port and sends full-resolution audio — including Dolby Atmos and DTS-HD Master Audio — over standard CAT6/6a/7 cabling to a receiver at the remote audio endpoint.

For TVs without HDMI eARC, the built-in S/PDIF pass-through channel provides an independent optical audio path from the transmitter's S/PDIF IN port to the receiver's S/PDIF OUT port. Bi-directional Power over Cable eliminates the need for a power source at both ends, and CEC pass-through maintains device control across the link.

 <p>eARC/ARC HDMI Audio Extension</p>	 <p>Atmos Dolby Atmos DTS-HD MA</p>	 <p>100m 328ft over Single CAT</p>	 <p>PoC Bi-directional Power</p>	 <p>S/PDIF Optical Audio Fallback</p>
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KEY FEATURES

- Extend HDMI™ eARC or S/PDIF audio up to 100m/328ft over a single CAT cable
- eARC supports PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos
- S/PDIF fallback for TVs without eARC — PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
- CEC pass-through when HDMI eARC mode is enabled
- Bi-directional PoC (Power over Cable) for flexible installation
- IEC 61000-4-2 ESD protection: ±8kV air-gap, ±4kV contact
- Compact metal enclosure (90mm × 72mm × 20mm, 184g per unit)
- CE, FCC, and UL certified (US/EU standard power supply)

SPECIFICATIONS

Audio (eARC)	PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA, Atmos
Audio (ARC)	PCM 2.0CH, Dolby 5.1CH, DTS 5.1CH
Audio (S/PDIF)	PCM 2.0CH, Dolby 5.1CH, DTS 5.1CH
Distance	100m / 328ft over Cat6/6a/7
TX Input	1× S/PDIF IN [Optical] • 1× eARC IN [HDMI Type A]
TX Output	1× CAT OUT [RJ45]
RX Input	1× CAT IN [RJ45]
RX Output	1× S/PDIF OUT [Optical] • 1× eARC OUT [HDMI Type A]
ESD Protection	IEC 61000-4-2: ±8kV air-gap • ±4kV contact
Enclosure	Metal • Black • 90 × 72 × 20 mm • 184g (each)
Power	AC 100–240V → DC 12V/1A • 5.65W max • CE/FCC/UL

PACKAGE CONTENTS

1× HDMI Audio Extender (TX) • 1× HDMI Audio Extender (RX) • 1× 12V/1A Power Adapter • 1× User Manual



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sales@kanexpro.com | www.kanexpro.com