HDMI eARC w/ SPDIF 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.

Lossless Audio	100m Reach	S/PDIF Fallback	Bi-Directional PoC	CEC Pass-Through
eARC carries Dolby Atmos and DTS-HD Master Audio	Over a single CAT cable	Optical path for TVs without eARC	One adapter powers both ends	Device control maintained in eARC mode

KEY FEATURES

- Extends HDMI eARC or S/PDIF audio up to 100m/328ft over a single CAT cable
- eARC carries PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA and Dolby Atmos
- S/PDIF fallback for TVs without eARC: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
- Independent optical path from S/PDIF IN on the transmitter to S/PDIF OUT on the receiver
- CEC pass-through in eARC mode
- Bi-directional PoC: one 12V/1A adapter powers both ends
- IEC 61000-4-2 ESD protection: +/-8kV air-gap, +/-4kV contact
- Compact black metal enclosure, 184g per unit; CE, FCC and UL certified

SPECIFICATIONS

Model	AUD-EXT-EARC100M
Audio Formats (eARC)	PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos
Audio Formats (ARC / S/PDIF)	PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
Transmission Distance	100m / 328ft
Cable	Cat6/6a/7 UTP/STP, T568B straight-through
Transmitter Inputs	1x S/PDIF IN (optical), 1x eARC IN (HDMI Type A)
Receiver Outputs	1x S/PDIF OUT (optical), 1x eARC OUT (HDMI Type A)
Link Port	RJ45 CAT OUT (TX) / CAT IN (RX)
Power	AC 100-240V 50/60Hz to DC 12V/1A, 5.65W max
Operating Temperature	0-40C / 32-104F, 20-90% RH non-condensing
Dimensions (each)	90 x 72 x 20mm (3.54 x 2.83 x 0.79 in)
Weight (each)	184g (0.41 lbs)
Package Contents	1× HDMI Audio Extender (Transmitter) • 1× HDMI Audio Extender (Receiver) • 1× 12V/1A Locking Power Adapter

APPLICATIONS

Wall-mount or fireplace TV with a remote rack	Media room with streaming-first clients	Outdoor or patio display	Hospitality suite or MDU amenity room	Corporate boardroom or executive office
The display sits over a fireplace			A hotel suite	