

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



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators extending eARC audio from TV to remote AVR or soundbar in residential, hospitality, and commercial installs; custom integrators delivering lossless Dolby Atmos and DTS-HD MA over existing CAT infrastructure.

THE CHALLENGE

eARC audio — including Dolby Atmos, TrueHD, and DTS-HD MA — cannot travel beyond the native HDMI cable. When the TV and the AVR/soundbar are separated by more than a few meters, lossless audio is lost. A compact PoC-powered eARC extender over standard CAT cable has been unavailable at this price point.

THE KANEXPRO ADVANTAGE

eARC supports Dolby Atmos/TrueHD/DTS-HD MA. 100m over single CAT. S/PDIF fallback channel. CEC pass-through. Bi-directional PoC powers RX from TX side. CE/FCC/UL certified. Compact 90×72×20mm metal. \$249.95.

2 PRODUCT POSITIONING

AUD-EXT-EARC100M is the lossless eARC extender for integrators who need Dolby Atmos and full-resolution audio at the remote AVR or soundbar — up to 100m, powered by PoC, with S/PDIF fallback.

3 APPLICATIONS



Living Room / Home Theater

Extend TV eARC audio to a soundbar or AVR in a media cabinet across the room — Dolby Atmos, TrueHD, and DTS-HD MA pass through with full lossless fidelity.



Hospitality Suites

Deliver eARC audio from in-room TV to centralized AV rack or per-room soundbar up to 100m over existing CAT6 infrastructure — no additional audio cabling.



Whole-Home / MDU Audio

Route eARC audio from main display to whole-home audio system or distributed amplifier over structured wiring — PoC powers remote RX from TX side.



Bar / Restaurant

Extend TV audio to behind-bar or kitchen amplifier over CAT — CEC pass-through keeps TV remote volume control functional without additional control hardware.



Dolby Atmos Rooms

Carry full Dolby Atmos and DTS-HD MA bitstreams from TV to remote AVR in dedicated home theater or premium hospitality audio environments up to 100m.



Retrofit / Renovation

Add eARC audio extension to existing CAT infrastructure during AV upgrades — no new cable pull required, PoC eliminates need for power outlet at RX location.

4 WHO THIS IS FOR

AV Integrators

Custom Install

Hospitality

Residential AV

Home Theater

MDU / Retrofit

Ideal User

AV integrators extending eARC audio from TV to remote AVR or soundbar in residential, hospitality, and commercial installs; custom integrators delivering lossless Dolby Atmos and DTS-HD MA over existing CAT infrastructure.

Project Types

Residential custom install, hospitality and hotel rooms, corporate AV, houses of worship, education, digital signage, multi-dwelling units.

Typical Buyer

AV integrator (custom install or commercial); AV director or facilities manager at end-user institution.

5 KANEXPRO PRODUCT COMPARISON

The AUD-EXT-EARC100M fits specific ARC/audio extension requirements. Compare with related options:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS	
HDBaseT eARC	Various OEM	eARC over HDBaseT	Requires full HDBaseT TX/RX pair (\$300+), overkill for audio-only	\$300+
AUD-EXT-ARC150M	KanexPro	ARC/S/PDIF over CAT (150m)	ARC only (no eARC), no Dolby Atmos/TrueHD; longer reach at lower cost	\$199.95
Optical extenders	Various	Optical over CAT	S/PDIF only, no eARC, limited audio formats	\$80–\$150

► Use AUD-EXT-EARC100M for eARC/Dolby Atmos deployments up to 100m. Use AUD-EXT-ARC150M when 150m reach is needed and eARC is not required.

6 FREQUENTLY ASKED QUESTIONS

What audio formats are supported via eARC?

PCM 2.0/5.1/7.1ch, Dolby Digital, Dolby Digital+, DTS, Dolby TrueHD, DTS-HD Master Audio, and Dolby Atmos — full lossless surround sound pass-through.

What is PoC and why does it matter?

Power over Cable (PoC) allows the TX unit to power the RX unit through the CAT cable, eliminating the need for a power outlet or USB power supply at the remote RX location — critical for ceiling, wall, or rack-room installs.

What happens if the TV only has ARC, not eARC?

The unit automatically falls back to ARC mode (PCM 2.0ch, Dolby 5.1, DTS 5.1). The separate S/PDIF input/output channel also provides an independent optical audio path for TVs without eARC.

Does TV remote volume control still work?

Yes — CEC pass-through is active when in eARC mode, preserving volume control from the TV remote to the connected soundbar or AVR.

What cable is required?

Standard CAT6, CAT6a, or CAT7 straight-through cable up to 100m / 328ft. Pre-installed structured wiring is compatible.

What is the difference between ARC and eARC?

ARC supports PCM 2.0, Dolby 5.1, and DTS 5.1 only. eARC adds Dolby TrueHD, DTS-HD MA, Dolby Atmos, and multi-channel PCM — enabling lossless surround sound formats that ARC cannot carry.

Is this CE/FCC/UL certified?

Yes — CE, FCC, and UL certified for both US and EU installations.