

8K HDMI Audio De-Embedder with ARC

Extract Audio from Any 8K HDMI Source or ARC TV to Optical and Analog Outputs

MPN: AUD-DEBED-8K



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators deploying 8K-capable systems who need to route audio from HDMI 2.1 sources or ARC-enabled TVs to legacy amplifiers, DSPs, and stereo systems.

THE CHALLENGE

Modern 8K sources and HDMI 2.1 displays pass premium audio that older amplifiers cannot accept — they lack HDMI inputs. Without a dedicated de-embedder, integrators must replace functional equipment or lose premium audio formats entirely.

THE KANEXPRO ADVANTAGE

Supports full 48Gbps HDMI 2.1 including VRR, ALLM, 8K60, Dolby Atmos, and DTS:X — while simultaneously de-embedding to Optical and L/R Analog. ARC mode adds bidirectional capability for TV return audio via CEC. 8-mode DIP EDID management and USB-C service port included.

2 PRODUCT POSITIONING

The AUD-DEBED-8K is the 8K audio extraction solution for residential and commercial integrators bridging HDMI 2.1 sources to legacy audio equipment — without sacrificing video quality, HDR, or HDMI 2.1 gaming features.

3 APPLICATIONS



Home Theater

Insert between 8K source and TV while routing Dolby Atmos audio to a legacy AV receiver via S/PDIF — no receiver upgrade required.



Gaming

Maintain 4K@120Hz with VRR and ALLM for PS5/Xbox while feeding game audio to a headset DAC or amplifier via L/R.



Corporate AV

De-embed audio from an 8K signal chain in conference rooms and route to a room DSP or amplifier for ceiling speakers.



Hospitality

Extract TV ARC audio and route to a bedside audio system via ARC mode to capture streaming app audio from the display.



Broadcast & Production

In-line between camera outputs and monitors to break out audio to a field recorder while video passes to the display.



Education

De-embed projector or display audio to a classroom PA or ceiling amplifier — bridging 8K video sources to legacy audio.

4 WHO THIS IS FOR

AV Integrators

Custom Installers

Home Theater Pros

Corporate AV

Hospitality & MDU

Ideal User

AV integrator or custom installer deploying residential or commercial systems with 8K or 4K@120Hz sources requiring legacy amplifier compatibility.

Project Types

Residential home theater, corporate AV, hospitality, education, healthcare, government, broadcast production

Typical Buyer

AV system designer, project lead, or lead integrator — procurement through AV distribution channels or direct from KanexPro.

5 KANEXPRO PRODUCT COMPARISON

The AUD-DEBED-8K sits at the premium end of the KanexPro audio extraction family. Choose the right model based on source resolution and required outputs.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
AUD-DEBED-8K	8K/4K@120Hz + ARC	48Gbps HDMI 2.1, ARC, Optical + L/R	Full HDMI 2.1 — VRR, ALLM, 8K60, DIP EDID
AUD-EARC-8K	eARC soundbar + legacy audio	48Gbps HDMI 2.1, eARC, 4 simultaneous outputs	Adds eARC soundbar + dedicated Amp HDMI out
HAECOAX3	4K@60Hz with Dolby Atmos	18Gbps HDMI 2.0b, Optical + L/R	4K only — no 8K, no ARC, no HDMI 2.1 features
HAECOAX4	Audio embedding (opposite direction)	18Gbps HDMI 2.0b — inserts audio into HDMI	Embedder — not an extractor

Recommend AUD-DEBED-8K when the system includes an 8K or 4K@120Hz source, ARC-capable TV, and a legacy amplifier without HDMI input.

6 FREQUENTLY ASKED QUESTIONS

Q: What is the difference between AUD-DEBED-8K and AUD-EARC-8K?

AUD-DEBED-8K extracts to Optical + L/R with ARC. AUD-EARC-8K adds a dedicated eARC soundbar HDMI output and separate Amp HDMI out — 4 simultaneous audio outputs vs. 2.

Q: Does it support 4K@120Hz for gaming?

Yes — 4K@120Hz 4:4:4 12-bit is supported along with VRR and ALLM, fully compatible with PS5 and Xbox Series X.

Q: Can ARC be used without eARC?

Yes. ARC works with standard ARC TVs via CEC. For eARC lossless Atmos, use AUD-EARC-8K.

Q: What EDID modes are available?

Eight DIP switch positions: EDID copy, FRL 12G/10G 8K HDR modes, and fixed 1080P — each with 2.0CH or 5.1CH audio.

Q: Is it suitable for commercial installations?

Yes — metal enclosure, 3-year warranty, multinational power supply, and advanced EDID management make it deployment-ready.