

HDMI Audio De-Embedder

Extract Stereo and Surround Audio from Any HDMI Source to Optical, Coaxial, and Analog

MPN: HAECOAX



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators, installers, and end users who need a straightforward, cost-effective HDMI audio de-embedder for 1080p installations — connecting Blu-ray players, cable/satellite boxes, and gaming consoles to legacy amplifiers without HDMI inputs.

THE CHALLENGE

Millions of AV receivers and speaker systems only accept S/PDIF digital or analog stereo — yet all modern sources output via HDMI. Without an audio de-embedder, integrators must replace functional audio equipment or rely on inferior analog workarounds.

THE KANEXPRO ADVANTAGE

Simultaneously outputs to three audio paths — Toslink optical, coaxial S/PDIF, and 3.5mm analog — without configuration. The 2.0CH/5.1CH button provides instant surround/stereo switching. Automatic cable equalization ensures reliable performance on longer HDMI input cables in retrofit installations.

2 PRODUCT POSITIONING

The HAECOAX is the reliable, cost-effective HDMI audio de-embedder for integrators and end users who need to connect 1080p HDMI sources to legacy amplifiers and receivers — with three simultaneous audio outputs and zero configuration.

3 APPLICATIONS



Legacy AV Receiver

Connect a Blu-ray or cable box to an older AV receiver — extract audio via Toslink or coaxial while video passes to the TV.



Basic Home Theater

Route streaming device audio to a soundbar or stereo receiver via 3.5mm while video goes to the TV.



Classrooms

Extract audio from a laptop or media player HDMI output to a classroom amplifier or PA system via optical.



Hospitality Rooms

In hotel rooms, extract set-top box audio to a bedside speaker via 3.5mm — audio access without a full AV receiver.



Digital Signage

Extract audio to a local zone amplifier via optical or coaxial for independent audio control in the display zone.



Gaming to Legacy Audio

Connect console HDMI through the HAECOAX and extract game audio to a stereo receiver or 5.1CH system via Toslink.

4 WHO THIS IS FOR

AV Integrators

Custom Installers

End Users

Hospitality

Education

Small Business

Ideal User

AV installer or end user connecting 1080p HDMI sources to legacy amplifiers, AV receivers, or speaker systems that lack HDMI inputs — in retrofit or budget-sensitive installations.

Project Types

Residential, hospitality, education, small business, retail, digital signage, government

Typical Buyer

AV installer, end user, or facilities manager — typically purchased through consumer/pro-AV distribution channels.

5 KANEXPRO PRODUCT COMPARISON

The HAECOAX is the entry-level model in the KanexPro audio extraction family — maximum output flexibility (3 simultaneous outputs) for 1080p sources.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
HAECOAX	1080p + 3 simultaneous outputs	HDMI 1.3, Optical + Coaxial + 3.5mm	Entry level — broadest output compatibility, 1080p max
HAECOAX3	4K@60Hz with Dolby Atmos	HDMI 2.0b 18Gbps, Optical + L/R, 3-mode switch	4K capable — Dolby Atmos and DTS:X extraction
AUD-DEBED-8K	8K/4K@120Hz + ARC	HDMI 2.1 48Gbps, ARC, Optical + L/R	Premium — 8K, ARC, HDMI 2.1 gaming features
HAECOAX4	Audio embedding INTO HDMI	HDMI 2.0b, dial switch, Optical + Line inputs	Opposite direction — inserts audio into HDMI

Recommend HAECOAX for 1080p installations where maximum output flexibility and simplicity are required — and 4K, 8K, or ARC support is not needed.

6 FREQUENTLY ASKED QUESTIONS

Q: Does it support 4K?

No — HAECOAX supports HDMI 1.3 and is rated to 1080p/60. For 4K with Dolby Atmos, use HAECOAX3. For 8K, use AUD-DEBED-8K.

Q: Can all three audio outputs be used simultaneously?

Yes — Toslink optical, coaxial S/PDIF, and 3.5mm analog are all simultaneously active.

Q: What does the 2.0CH/5.1CH button do?

Toggles between stereo and surround audio output. Only effective when the source outputs 5.1CH. If the source is stereo-only, output remains stereo.

Q: Does it support Dolby Atmos?

No — supports standard Dolby Digital and DTS 5.1CH. For Dolby Atmos extraction, use HAECOAX3 or AUD-DEBED-8K.

Q: Why is the LED purple instead of red?

The dual-color LED shows red when powered on. It turns purple when an active HDMI signal is detected — confirming normal operation.