

KanexPro 1x3 HDMI 8K@60 eARC Audio
Extractor for Soundbar, TV and Amplifier

8K 1 In 3 Out Audio Extractor

MPN: AUD-EARC-8K



The **KanexPro AUD-EARC-8K** is designed for de-embed-
ding audio signals from an HDMI source or TV with
ARC/eARC, and outputting HDMI audio, digital S/PDIF
audio or analog audio to AV Receiver. It supports data
rates up to 48Gbps complying with HDMI 2.1 and HDCP 2.3
requirements. It includes several features for ease of
integration, such as EDID management and cable
equalization.

It provides an easy solution for HDMI installations to send
audio signals to a soundbar, amplifier or any 5.1/2.0CH
sound system. CEC control from TV to the source, ampli-
fier or soundbar is also supported.

Industry Standard HDCP 2.2 & 4K/60

HDCP 2.2 authentication is present always on this
matrix ensuring proper handshake of the protected
content. It also maintains resolutions up to
4K4096x2160@24, 30, 50 or 60Hz, 3840x2160@24,
25,30, 50 or 60Hz and 2560x1080@60Hz
displaying 21:9 aspect ratios. 1920 x 1200 or full HD
1080p/60 is a standard for all our matrix switchers.

Applications:

- Home Theater Setup
- Gaming
- Multi-Room Audio/Video Systems
- Corporate/Business Presentations
- Educational Institutions
- Broadcasting & Live Event Production
- Retail and Hospitality Environments

Key Benefits of Using an AUD-EARC-8K Audio Extractor:

- Supports 8K Resolution and HDMI 2.1
- Audio Extraction for Enhanced Audio Management
- Enhanced Audio Return Channel (eARC) Support
- Simultaneous Multi-Display Support
- Simplified AV System Integration
- HDR and Dolby Vision Support
- HDCP 2.3 Compliance
- Compact and Easy-to-Use Design
- Ideal for High-End AV Setups
- Professional AV Use

FEATURES

- HDCP 2.3 compliant
- Support 48Gbps video bandwidth and video resolution up to 8K@60Hz 4:2:0 12bit and 4K@120Hz 4:4:4 12bit as specified in HDMI 2.1
- VRR, ALLM, QMS, QFT, SBTM are supported, as specified in HDMI 2.1
- Support HDR, HDR10, HDR10+, Dolby Vision pass-through
- Support LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- HDMI input source and TV eARC/ARC audio are de-embedded to S/PDIF, L/R and HDMI audio to output
- HDMI input source is de-embedded to any eARC/ARC soundbar to output
- Support full Audio up to Dolby Atmos/DTS:x from eARC TV to SONOS ARC & Beam or any eARC soundbar
- Support CEC control from TV to the source
- Support CEC volume control from TV to any eARC sound system
- Advanced EDID management

SPECIFICATIONS

TECHNICAL	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color Depth	8/10/12-bit
Audio Formats	HDMI Input/Output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X eARC AUDIO Out: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X Amp AUDIO Out: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X Audio de-embedding output: Optical: PCM 2.0CH/Dolby/DTS 5.1CH L/R: PCM 2.0CH
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	ESD Protection IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Video Resolution	8K	4K@60	4K@30	1080P
HDMI Cable Type	Ultra HDMI 2.1	HDMI 2.0	HDMI 1.4	HDMI 1.4
HDMI Cable Length (HDMI IN / OUT)	3m/10ft	8m/26ft	12m/39ft	15m/49ft
The use of "Premium High-Speed HDMI" cable is highly recommended.				

Mechanical	
Housing	Metal Enclosure
Colour	Black
Dimensions	Dimensions145mm [W] × 68mm [D] × 18mm [H]
Weight	262 g
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Power Supply	Input: AC100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption (Max)	5.2W (Max)
Relative Humidity	20-90% RH (Non-condensing)

Connection	
Input	1 × HDMI IN [Type A, 19-pin female]
Output	1 × TV (eARC) OUT [HDMI Type A, 19-pin female] 1 × Soundbar eARC OUT [HDMI Type A, 19-pin female] 1 × Amp AUDIO OUT [HDMI Type A, 19-pin female] 1 × OPTICAL [S/PDIF] 1 × L/R [3.5mm Stereo Mini-jack]
Control ports	1 × SERVICE [USB Type C, Update Port]

APPLICATION DIAGRAM

