

HDMI 8K Audio to Amplifier w/ eARC

HDMI

MPN: AUD-AMP-8K



The KanexPro AUD-AMP-8K HDMI 8K Audio to Amplifier w/ eARC Adapter is designed for de-embedding audio signals from an HDMI source or TV with ARC/eARC to output HDMI audio to AV Receiver. It supports data rates up to 48Gbps complying with HDMI 2.1 and HDCP 2.3 requirements.

It is compatible with UHDTV 8K@60Hz. 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 an old audio amplifier. CEC control from TV to the source and amplifier is also supported.

FEATURES

- HDCP 2.3 compliant
- Support 48Gbps FRL and 18Gbps TMDS video bandwidth, as specified in HDMI 2.1
- Support video resolution up to 8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
- Support VRR, ALLM, QMS, QFT, SBTM, as specified in HDMI 2.1
- HDR, HDR 10, HDR 10+, Dolby Vision, HLG pass-through
- LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- HDMI input audio or TV ARC/eARC audio de-embedded to HDMI audio output
- Support CEC control from TV to the source and amplifier
- Support CEC volume control from TV to the amplifier 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
Audio Latency	No latency
Video Latency	No latency
Color space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color depth	8/10/12bit
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio Format: HDMI IN/OUT:	LPCM,DolbyDigital/Plus/EX,DolbyTrueHD,Dolby Atmos,DTS,DSD,DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X
HDMI AUDIO OUT:	LPCM,DolbyDigital/Plus/EX,DolbyTrueHD,Dolby Atmos,DTS,DSD, DTS-EX,DTS-96/24,DTSHighRes, DTS-HDMasterAudio,DTS:X
ESD protection	IEC 6100-4-2: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	95mm (W) × 68mm (D) × 18mm (H)
Weight	178g
Power supply	Input: AC 100-240V 50/60Hz Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power consumption	4.5W Max
Operating temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative humidity	20-90% RH (non-condensing)

Recommended HDMI Cable
Resolution / Cable Length

HDMI IN / OUT	8K60 6.6ft/2M ~10ft/3M (Ultra HDMI 2.1) 4K60 16ft/5M 4K30 33ft/10M 1080P 49ft/15M
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The use of "Premium High Speed HDMI" cable is highly recommended.

Connection

Input:	1 x Source IN [HDMI Type A , 19-pin female]
Output:	1 × TV(eARC) OUT [HDMI Type A, 19-pin female] 1 × Amp AUDIO OUT [HDMI Type A, 19-pin female]
Controls:	1 × SERVICE [USB Type C, Update port]

APPLICATION DIAGRAM

