8K HDMI 2.1 eARC Audio to Amplifier Adapter

De-embed ARC/eARC Audio to Any AVR — HDMI 2.1 Video Passes Through at Full 48Gbps

MPN: AUD-AMP-8K

Bridges the gap between HDMI 2.1 eARC displays and legacy AV receivers by de-embedding ARC/eARC audio from any 8K-capable TV or HDMI source and routing it via HDMI directly to the amplifier — no AVR replacement required. Fully compliant with HDMI 2.1 and HDCP 2.3, supporting data rates up to 48Gbps FRL with zero video and audio latency.

Designed for CEDIA integrators specifying retrofit and new-build installations, the AUD-AMP-8K handles video resolutions up to 8K@60Hz and 4K@120Hz with full HDR pass-through and HDMI 2.1 protocols including VRR, ALLM, QMS, QFT, and SBTM. Eight DIP-switch EDID modes and a USB-C firmware update port ensure long-term serviceability.

HDMI 2.1 48Gbps FRL	**8K@60Hz** 4K@120Hz	**Dolby Atmos** DTS:X	**eARC / ARC** Audio Return	**CEC + EDID** 8-Mode DIP

KEY FEATURES

- HDMI 2.1 and HDCP 2.3 compliant with 48Gbps FRL and 18Gbps TMDS video bandwidth
- Supports video resolutions up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit)
- De-embeds ARC/eARC audio from HDMI source input or TV ARC/eARC port to dedicated Amp AUDIO OUT
- Full audio pass-through: LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X
- HDR pass-through: HDR10, HDR10+, Dolby Vision, HLG; HDMI 2.1 protocols VRR, ALLM, QMS, QFT, SBTM
- Advanced EDID management via 8-mode DIP switch — copy sink or select fixed FRL12G/FRL10G profiles
- CEC control and volume control from TV to source and amplifier
- USB-C SERVICE port for field firmware updates; CE/FCC/UL certified 5V/2A PSU included

SPECIFICATIONS

HDMI Compliance	HDMI 2.1 / HDCP 2.3
Video Bandwidth	48Gbps FRL / 18Gbps TMDS
Video Resolution	8K@60Hz (4:2:0) / 4K@120Hz (4:4:4)
Audio Formats	LPCM 7.1CH, Dolby TrueHD, Atmos, DTS-HD Master, DTS:X
HDR	HDR10, HDR10+, Dolby Vision, HLG
Input	1× Source IN [HDMI Type A]
Output	1× TV(eARC) OUT / 1× Amp AUDIO OUT [HDMI Type A]
Control	EDID DIP (8 modes), CEC, USB-C SERVICE
Power	DC 5V/2A (CE/FCC/UL PSU included)
Dimensions / Weight	95×68×18mm / 178g

PACKAGE CONTENTS

1× AUD-AMP-8K Adapter • 1× 5V/2A Multinational Power Supply (CE/FCC/UL) • 1× User Manual