4K HDMI ARC Audio Decoder with Dolby & DTS Downmix

Extract ARC Audio from Any HDMI-Enabled TV — Dolby 5.1 & DTS 5.1 Downmix to Analog Stereo

MPN: AUD-DCODEARC-4K



Extracts audio from any ARC-enabled HDMI TV and downmixes Dolby 5.1, DTS 5.1, or PCM 2.0 to 2-channel analog stereo via dual outputs (RCA and 3.5mm). CEC support enables TV remote volume control for seamless operation.

Designed for home theaters, hospitality installs, and conference rooms, the AUD-DCODEARC-4K bridges the gap between modern ARC-only TVs and legacy analog audio equipment — powered entirely via USB with no external adapter required.

ARC Extraction	Dolby & DTS	Dual Outputs	CEC Control	USB Powered
Pulls audio from any ARC-enabled HDMI TV	Licensed 5.1 decoding with stereo downmix	RCA L/R and 3.5mm stereo jack	Adjust volume with the TV remote	No wall adapter required

KEY FEATURES

- HDMI ARC audio extraction from any ARC-enabled TV to analog stereo
- Licensed Dolby Digital 5.1 and DTS 5.1 decoding with stereo downmix
- PCM 2.0 stereo pass-through
- Dual analog outputs: 3.5mm stereo jack and RCA L/R
- CEC volume control from the TV remote
- USB-powered (5V/500mA), can run from the TV USB port
- Front-panel LEDs for power, ARC link and audio format
- Compact aluminum enclosure with ESD protection (+/-8kV air, +/-4kV contact)

SPECIFICATIONS

HDMI Compliance	HDMI 1.3 or above
HDMI Audio Formats	PCM 2.0, Dolby 5.1, DTS 5.1
Output Format	Analog Stereo 2CH
Input	1x HDMI Type A (ARC IN), 1x Micro USB (power)
Output	1x 3.5mm Stereo Jack, 2x RCA L/R
Vmax	2 Vrms
SNR	>90 dB
THD+N	<0.1% (Vmax); 0.001%-0.01% (Vbest)
Crosstalk	>80 dB
Frequency Response	20 Hz - 20 kHz +/-1 dB
Power	USB 5V/500mA, 0.86W (Max)
Dimensions / Weight	70 x 65 x 27 mm (W x D x H) / 80 g
Package Contents	1x HDMI ARC Audio Down-Mixer • 1x USB Cable (USB-A to Micro USB)

APPLICATIONS

Hotel guest-room TV to room audio	**Bar and restaurant display feeding a zone amplifier** In a sports bar	**Residential retrofit to a legacy stereo amplifier**	**Corporate huddle room with powered speakers**	**Assistive listening at a waiting-room or lobby TV**

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