

## 4K HDMI eARC/ARC Audio Extractor

The KanexPro AUD-DEBEDEARC-4K is an 18Gbps HDMI eARC/ARC audio extractor that retrieves high-quality audio from your TV's eARC or ARC port and delivers it to an amplifier or AV receiver through a dedicated HDMI audio output. This allows you to enjoy Dolby Atmos, DTS:X, and lossless surround sound on your existing audio equipment — without needing to upgrade your amplifier when you upgrade your TV.

**Surge Protection Recommended** — This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, or lightning strikes. Use of surge protection systems is highly recommended.

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### FEATURES

- ✓ HDMI 2.0b and HDCP 2.3 / 1.x compliant
- ✓ Supports 18Gbps video bandwidth
- ✓ Supports video resolution up to 4K2K@60Hz with 24-bit RGB/YCbCr 4:4:4
- ✓ Supports VESA format up to QSXGA@60Hz
- ✓ HDR, HDR10, HDR10+, and Dolby Vision pass-through
- ✓ Supports PCM 2.0, LPCM 5.1/7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS ES 6.1, DTS HRA, DTS HD Master, and DTS:X
- ✓ Built-in equalizer, retiming, and driver for signal integrity
- ✓ Dedicated HDMI audio output with 720p black screen
- ✓ Extracts eARC/ARC audio from TV and outputs via HDMI
- ✓ CEC pass-through and advanced EDID management

### PACKAGE CONTENTS

1× 18Gbps HDMI eARC Extractor • 1× USB Cable (USB-A to Micro USB) • 1× Product Manual



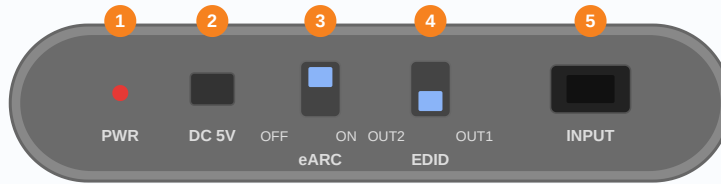
## Specifications

TECHNICAL	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3 / 1.x
Video Bandwidth	18 Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0)
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
HDMI Audio Formats	PCM 2.0, LPCM 5.1/7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS ES 6.1, DTS HRA, DTS HD Master, DTS:X
ESD Protection	Human body model — ±8kV (air-gap) & ±4kV (contact)
CONNECTION	
Input	1× HDMI Type A [19-pin female]
Output	2× HDMI Type A [19-pin female]
MECHANICAL	
Housing	Aluminium Enclosure, Silver
Dimensions	65mm (W) × 70mm (D) × 27mm (H)
Weight	83g
Power	USB 5V / 500mA — 1.75W max
Operating Temp	32–104°F / 0–40°C
Storage Temp	-4–140°F / -20–60°C
Humidity	20–90% RH (no condensation)



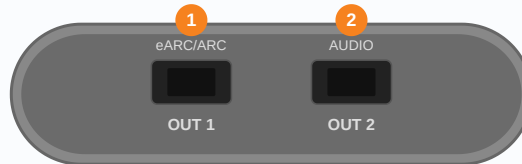
## Operation Controls

### LEFT PANEL



No.	Name	Function Description
1	<b>Power LED</b>	Red LED illuminates when the device is powered on.
2	<b>DC 5V</b>	DC 5V power input (Micro USB). Also used for firmware updates.
3	<b>eARC Switch</b>	<b>ON:</b> OUT2 outputs eARC/ARC audio from the TV. <b>OFF:</b> OUT2 outputs audio from the HDMI IN source.
4	<b>EDID Switch</b>	Set to <b>OUT1</b> or <b>OUT2</b> to copy the EDID from the corresponding connected device. Falls back to the internal default EDID (1080p 2CH) if the copy fails.
5	<b>INPUT</b>	HDMI signal input port. Connect to HDMI source device.

### RIGHT PANEL



No.	Name	Function Description
1	<b>eARC/ARC OUT 1</b>	Connects to a TV with eARC/ARC. Carries video to the TV and returns audio from the TV back to the extractor.
2	<b>AUDIO OUT 2</b>	HDMI audio output — connect to your amplifier or speaker. <b>eARC ON:</b> Outputs 720p black screen with eARC/ARC audio from the TV. <b>eARC OFF:</b> Outputs 720p black screen with audio from the HDMI IN source.



## Application Examples

### Mode 1: eARC / ARC Audio Extraction



**How it works:** The TV sends eARC/ARC audio back through OUT 1. The extractor routes that audio to OUT 2, which outputs a 720p black screen with the full audio signal to your amplifier.

**Notes:** Do not connect any device to the INPUT port in this mode. Connect OUT 2 to an **input** port on your AVR.

### Mode 2: Ordinary HDMI Input with Audio Extraction



**How it works:** The HDMI source connects to INPUT. Video passes through to the TV via OUT 1. Audio is extracted and sent to OUT 2 as a 720p black screen with the audio signal for your amplifier.

**Notes:** Set the eARC switch to OFF. Connect OUT 2 to an **input** port on your AVR.

## TROUBLESHOOTING

### Q: Why can't I get any sound from my AVR?

**A:** Make sure OUT 2 is connected to an **input** port on your AVR, not an output port. For eARC/ARC mode, set the eARC switch to ON and leave the INPUT port empty. For ordinary input mode, set the eARC switch to OFF.

