

Digital to Analog Audio Decoder with Dolby Digital & DTS

The KanexPro AUD-DCODE-ANA is a compact digital-to-analog audio decoder featuring an integrated 24-bit audio DSP. It decodes Dolby Digital (AC-3), DTS, and PCM digital audio formats from an optical (Toslink) or coaxial digital input and outputs decoded stereo audio simultaneously via RCA L/R and 3.5mm headphone jack. With PCM sample rate support up to 192kHz and surround decoding up to DTS-ES 6.1 channels, this decoder bridges modern digital audio sources to legacy analog speaker systems and headphones.

Note — Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. For DTS patents, see <http://patents.dts.com>. DTS, the Symbol, and Digital Surround are registered trademarks of DTS, Inc.

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FEATURES

- ✓ Decodes Dolby Digital (AC-3), DTS, and PCM digital audio to 2-channel stereo analog output
- ✓ Supports PCM sample rates: 32K, 44.1K, 48K, 88.2K, 96K, 176.4K, 192KHz
- ✓ Dolby Digital 5.1 channel and DTS-ES 6.1 channel surround decoding and downmix
- ✓ Dual simultaneous outputs: stereo RCA (L/R) and 3.5mm headphone jack
- ✓ Dual digital inputs: optical (Toslink) and coaxial with manual selector switch
- ✓ LED status indicator: Red solid (PCM/No signal), Red blink (Dolby), Green blink (DTS)
- ✓ Integrated 24-bit audio DSP for high-fidelity conversion
- ✓ Driver-free, portable, plug-and-play — no software required
- ✓ Ultra-compact: 72 × 55 × 20mm, 40g

PACKAGE CONTENTS

1× Audio Decoder • 1× 5V/1A DC Power Adapter • 1× User Manual



Specifications

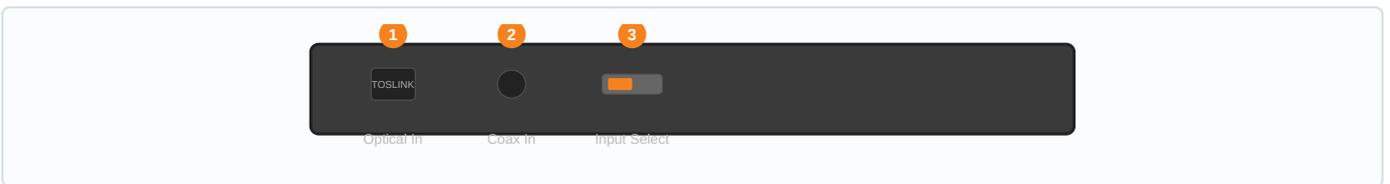
AUDIO	
Audio Decoding	Dolby Digital (AC-3), DTS, DTS-ES 6.1, PCM
PCM Sample Rates	32K, 44.1K, 48K, 88.2K, 96K, 176.4K, 192KHz
S/N Ratio	103 dB
Channel Separation	95 dB
Frequency Response	20Hz – 20KHz ±0.5 dB

CONNECTION	
Input	1× Optical (Toslink) • 1× Digital Coaxial (RCA)
Output	1× RCA Stereo (L/R) • 1× 3.5mm Headphone
Input Selection	Manual slide switch (Optical / Coaxial)

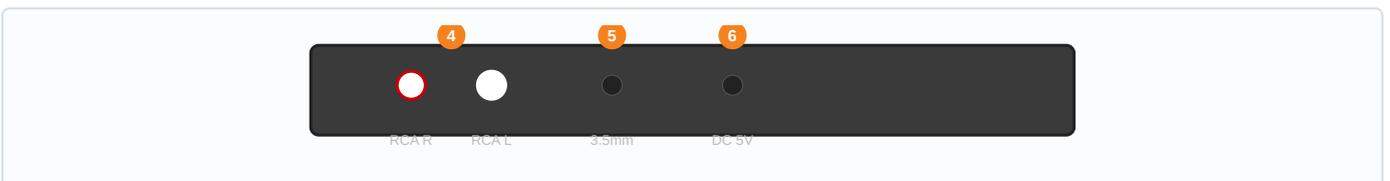
MECHANICAL	
Dimensions	72mm (D) × 55mm (W) × 20mm (H)
Weight	40g
Power Supply	DC 5V/1A (adapter included)

Operation Controls

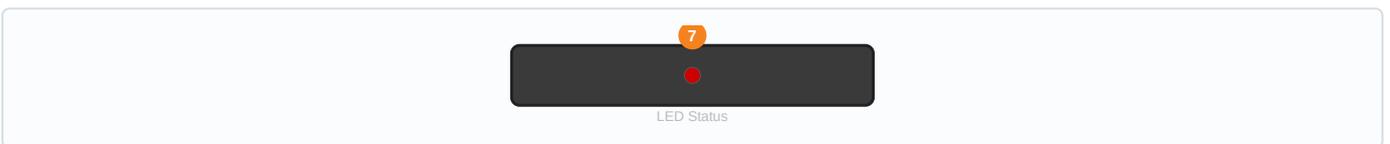
BACK PANEL



FRONT PANEL



TOP PANEL



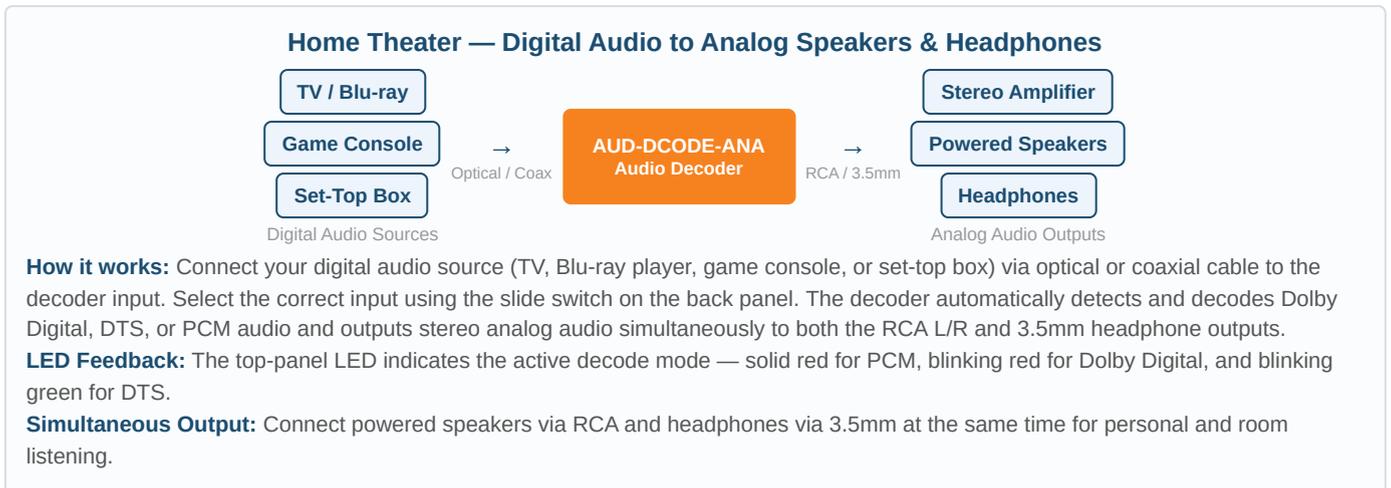
No.	Name	Function Description
1	Optical (Toslink) In	Connect optical digital audio cable from source device.
2	Coaxial In	Connect coaxial digital audio cable from source device.
3	Input Selector Switch	Slide switch to select between Optical or Coaxial input.
4	RCA Stereo Out (L/R)	Analog stereo output. Connect to amplifier or powered speakers.
5	3.5mm Headphone Out	Analog stereo output for headphones or desktop speakers.



5V/1A DC power adapter input.

Red solid: PCM or no signal. Red blink: Dolby decoding. Green blink: DTS decoding.

Application Example



TROUBLESHOOTING

Q: No sound from the decoder?

A: Verify the input selector switch matches your cable type (Optical vs. Coaxial). Check that the source device audio output is set to "PCM," "Bitstream," or "Auto" (not "Pass-through only"). Ensure the 5V power adapter is connected and the LED is illuminated.

Q: No sound with Netflix or streaming apps?

A: Most streaming services default to Dolby Digital Plus (DD+), which this decoder does not support. Set your TV or streaming device audio output to "PCM" or "Stereo" in the audio settings menu.

Q: Audio sounds distorted or has static?

A: Do not power the decoder from a TV USB port — use the included 5V/1A DC adapter for stable power. Check that optical/coaxial cables are fully seated. Try switching to the alternate input to isolate the cable.

Q: LED is red but no audio output?

A: A solid red LED indicates PCM mode or no active signal. Confirm your source is playing audio. If using optical, remove and re-insert the Toslink connector (ensure the protective cap is removed). Try a different source to verify the decoder is functioning.

Q: Can I use this with a soundbar?

A: Yes, if your soundbar has a 3.5mm aux or RCA input. Connect the decoder's analog output to the soundbar's analog input. Note: if your soundbar already has an optical input, connect the source directly to the soundbar instead.

