DVDO

DVDO-DAConv-2

Digital to Analog Audio Converter



DVDO-DAConv-2 is a compact digital-to-analog audio converter ideal for residential and commercial AV environments. It converts either TOSLINK (Optical) or Coaxial digital audio signals into high-quality stereo analog audio, making it easy to connect modern TVs, media players, gaming consoles, and other digital audio sources to amplifiers, powered speakers, headphones, and legacy audio equipment.

Supporting digital audio input resolutions up to 24-bit / 192 kHz, the converter provides simultaneous RCA (L/R) and 3.5 mm stereo analog audio outputs. When using a TOSLINK input, it also provides a coaxial digital output for extending or distributing the optical audio signal to an additional device.

Powered via USB-C, the DAConv-2 features a compact plug-and-play design that is ideal for home theater, conference rooms, hospitality, education, retail, and digital signage applications.

Features

- Converts TOSLINK (Optical) or Coaxial digital audio to analog stereo audio
- Supports high-resolution digital audio input up to 24-bit / 192 kHz
- Simultaneous RCA (L/R) and 3.5 mm stereo analog audio outputs
- Coaxial digital output for TOSLINK audio extension
- Splits one TOSLINK audio source into three simultaneous outputs
- Compatible with LPCM, Dolby Digital® and DTS® audio formats
- Compact design for easy installation
- USB-C powered
- Plug-and-play operation

Applications

- Residential Audio
- Hospitality
- Digital Signage
- Education
- Home Theater
- Retail
- Conference Rooms
- Houses of Worship

Application Diagram



Technical Specifications

Input	
Type	TOSLINK or Coaxial
Format	LPCM 2.0, Dolby Digital 2.0/5.1, Dolby TrueHD 5.1/7.1, Dolby Atmos 5.1.2, DTS 2.0/5.1, DTS-HD 5.1/7.1, DTS-HD Master Audio 5.1/7.1
Sample Rate	32/44.1/48/96/192kHz, up to 24-bit
Analog Output	
Type	1 x 3.5mm audio jack, 2 x RCA
Format	PCM 2.0
Frequency Response	20Hz - 20KHz, ±3dB
THD+N	< 0.05% @ 1kHz
SNR	> 80dB
Crosstalk	< -80dB @ 10kHz
Digital Output	
Type	Coaxial
Format	LPCM 2.0, Dolby Digital 2.0/5.1, DTS 2.0/5.1, DTS-ES Matrix 6.1
Frequency Response	20Hz - 20KHz, ±3dB
General	
Enclosure	Black plastic
Operating Temperature	-5°C to 55°C (23°F to 131°F)
Humidity	10% to 90%, non-condensing
Power Supply	DC 5V / 1A
Power Consumption	0.57W (Max)
Device Dimensions	66 x 66 x 22.5mm / 2.6 x 2.6 x 0.9in
Product Weight	50g / 0.11lb