Digital Audio DAC with Downmix and S/PDIF Bypass

EXP-CON-DAC-D v2





DOLBY AUDIO

WyreStorm - Powerful. Reliable. Simple.

Introduction

The WyreStorm EXP-CON-DAC-D is a Digital to analogue audio converter capable of taking up S/PDIF audio encoded as Dolby Digital 5.1 from a compatible coaxial or TOSLINK audio source and downmixing to analogue stereo. Additionally the switchable digital output allows the signal to be output in its original form or downmixed like the stereo RCA output.

Key Features

- Converts S/PDIF digital audio signals to analogue stereo
- Supports up to 6 channels of audio encoded as Dolby Digital 5.1
- Supports I/O conversion of Toslink-Coaxial or Coaxial-Toslink
- Auto selection of 32, 44.1 or 48 KHz sampling rates
- Includes digital interpolation filter
- Low-latency digital filtering
- Accepts uncompressed PCM digital audio input signals
- · Optical (Toslink) and digital coaxial inputs with input select switch
- Simultaneous analogue & S/PDIF output

In the Box

- 1x EXP-CON-DAC-D Converter
- 1x 5V DC 1A Power Supply with Wall Adapters 1x USB-DC Power Cable

- Optical (Toslink) and digital coaxial outputs
- Digital output control switch for S/PDIF bypass or downmix
- LED Power indication
- Powered by 5v (Mains PSU and USB power cable included)
- Can be powered by 3rd party USB device ports (min. 500mA supply)
- Compact aluminium chassis

Manufactured under license from Dolby Laboratories

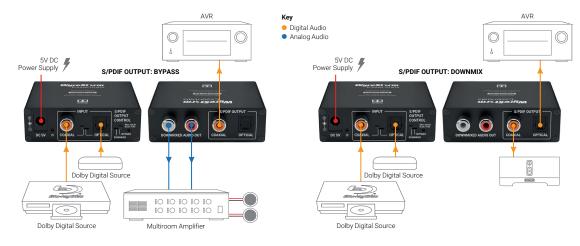
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Specifications

Inputs ht Coaxial: SYPDIF Digital Coaxial ht Quitoal: TOSLINK Digital Optical Outputs ht XLR Audio: RCA Stereo ht Coaxial: SYPDIF Digital Coaxial ht Optical: TOSLINK Digital Optical Addo Formats 2h PCM (2abit/96Hz max) [Dobb Digital 5.1 Output Ingedance 5520 Output Voltage 20 VR MS (Max Input (0dBFS) Frequency Response 2042-20kHz Output Noise (Rofo) 0006%-0.042% (1kHz at 2V RMS) Power 0006%-0.042% (1kHz at 2V RMS) Power SupJy SV DC 1A Adage Temperature 01x - 45°C (32 to + 113 °F). 10% to 90%, non-condensing Portang Temperature 01x + 45°C (32 to + 113 °F). 10% to 90%, non-condensing Barden Temperature 10 to + 45°C (32 to + 113 °F). 10% to 90%, non-condensing Diperiod Temperature 10 to + 45°C (32 to + 113 °F). 10% to 90%, non-condensing Barden Temperature 10 to + 07°C (4 to + 158 °F). 10% to 90%, non-condensing Marine Mit Monton 10 to + 07°C (4 to + 158 °F). 10% to 90%, non-condensing <	Audio and Video	
Outputs 1x Coaxial: SXPDIF Digital Coaxial x Optical: TOSLINK Digital Optical Audio Formats 2ch PCM (24bit/96kHz max) I Dolby Digital 5.1 Output Impedance 5520 Output Voltage 20V RMS @ Max Input (0dBFS) Frequency Response 20VBZ-20kHz +t/0.5dB Signal to Noise Ratio > 90dB (20Hz~20kHz) Power 0006%-0.042% (1kHz at 2V RMS) Power Somptom 0.006%-0.042% (1kHz at 2V RMS) Power Somptom 5V DC 1A Max Power Consumption 0.40 W Environmental 010 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Discage Temperature 010 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Maxim BTU 1.6 BTU/hr Interview 1.0 U Maxim BTU 0.10 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Breack Units/Wall Box 1.0 U Maxim BTU 0.10 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Breack Units/Wall Box 1.0 U Breack Units/Wall Box 0.10 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Breack Units/Wall Box 0.10 + 45°C (32 to + 113 *F), 10% to 90%, non-condensing Breach Units/W	Inputs	
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Output Voltage 2.0V RMS @ Max Input (0dBFS) Frequency Response 20Hz~20kHz <t -0.5db<="" td=""> Signal to Noise Ratio > 90dB (20Hz~ 20kHz) THD + Noise (floor) 0.006%~0.042% (1kHz at 2V RMS) Power Power Supply SV DC 1A Max Power Consumption Max Power Consumption 0.48W Environmental Operating Temperature Oto + 45°C (32 to + 113 °F), 10% to 90%, non-condensing Storage Temperature 20 to + 70°C (-4 to + 158 °F), 10% to 90%, non-condensing Maxmum BTU Dimensions and Weight 21U Height 24mm/0.94in Width 80mm/3.15in Depth 76mm/2.99in Weight 0.11kg/0.24lbs Regulatory EI FCC [RoHS Accessories 1 × WyreStorm EXP-CON-DAcD Analog audio converter</t>	Audio Formats	2ch PCM (24bit/96kHz max) Dolby Digital 5.1
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Maximum BTU 1.6 BTU/hr Dimensions and Weight Rack Units/Wall Box <1U	Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
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Rack Units/Wall Box <1U	Maximum BTU	1.6 BTU/hr
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Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

Right Product for the Right Application.



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