MuxLab

Technical Spec sheet



Digital Audio Converter, Dolby Digital

500081-V2

Audio

Overview

The Digital Audio Converter, Dolby Digital (500081-V2) converts one LPCM-encoded or one Dolby Digital coaxial (S/PDIF) or optical (TOSLINK) digital audio signal to a standard left/right analog audio output, thereby allowing a digital audio source such as a DVD or CD player without RCA analog audio output to be connected to an audio-video receiver or TV.

Applications

- Commercial and residential audio systems
- Classroom Projector Systems
- Collaborative PC Systems
- Digital Signage
- Educational Institutions
- Boardroom Systems

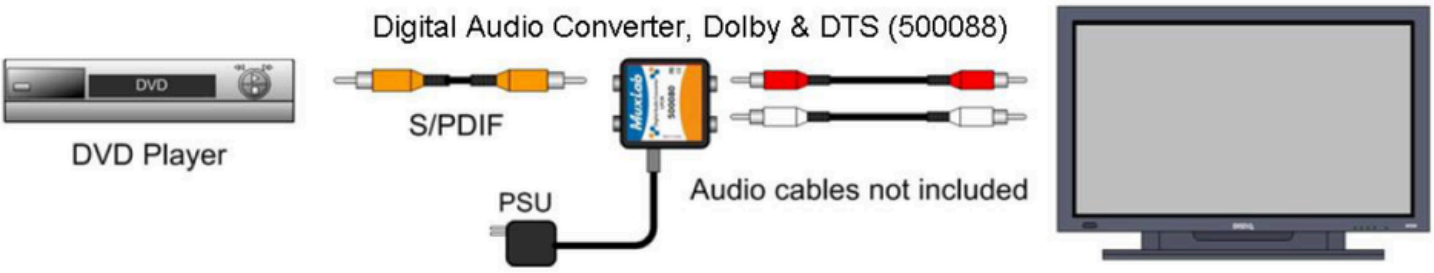
Key Features

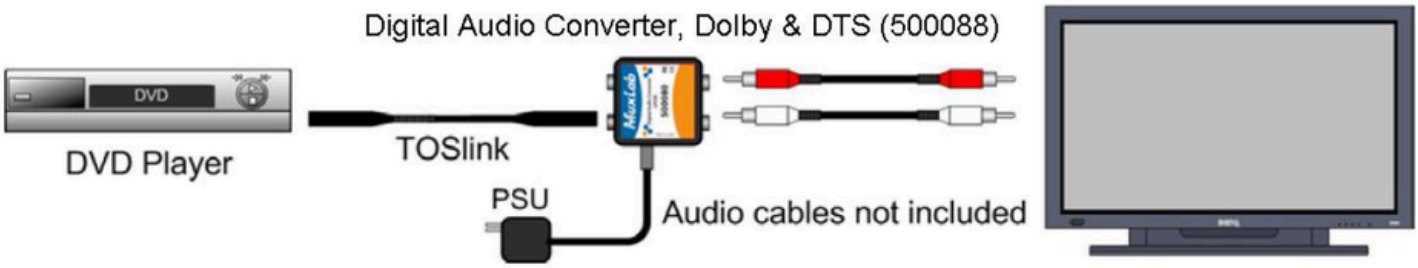
- Down-mixes Dolby® Digital audio to left/right analog audio
- Switch selects between TOSLINK and Coax S/PDIF inputs
- Supports Dolby Digital 5.1 channels

Specification

Technical	
Environment	Digital Audio, Dolby Digital or LPCM
Device	DVD, CD Players, Television, Laptops
Transmission	Transparent to the user
Signals	Dolby Digital 5.1and 2 channel LPCM
Signal to noise ratio	103dB (20Hz - 20KHz)
Degree of separation	95dB
Frequency Response	20Hz to 20KHz +/- 0.5dB
Sample Rate	32KHz, 44.1KHz, 48KHz, 88.2KHz, 96KHz, 176.4KHz and 192KHz
Bit Depth	24 bit S/PDIF compressed and uncompressed bit stream
Connection	
Connectors	Input: 1 × Coaxial Connector [RCA connector] 1 × Optical Connector [Toslink connector] Output: 2 × RCA Analog Output [RCA Connector] 1 × 3.5mm Audio Output [3.5mm stereo mini jack] Control: 1 × Selector Switch [2-pos toggle switch]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	72mm [W] × 55mm [D] × 20mm [H]
Weight	40g
Power Supply	Input: 100~240VAC 50/60Hz Output: 5VDC/1A
Power Consumption	2.4W (Max)
Operating Temperature	0°C ~ 40°C /32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)
Generic Specification	
Warranty	2 years
Order Information	500081-V2 Digital Audio Converter, Dolby Digital (UPC: 627699010815)

Application Example





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