ZIGEN

Complete HD/IP Connectivity Solutions

ZIG-DAC

COAXIAL TO ANALOG AUDIO DECODER

Important Safety Instructions

1. Do not use this product near water.

2. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

3. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

4. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

5. Only use attachments/accessories specified by the manufacturer.

6. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.

7. Unplug this apparatus during lightning storms or when unused for long periods of time.

8. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

9. Batteries that may be included with this product and/or accessories should never be exposed to open flame or excessive heat. Always dispose of used batteries according to the instructions.

Warranty Information

Powered Product Warranty

Zigen, Inc. warrants its powered products against any defects in materials and workmanship for a period of three years from the date of invoice. Touchscreen displays carry a one year parts and labor warranty. If a malfunction occurs during the warranty period, Zigen, Inc. will repair or replace a product to its original operating condition. A return authorization number must be obtained from Zigen, Inc. before products are returned for service.

Non-Powered and Cable Products - Lifetime Limited Performance Warranty

Zigen, Inc. warrants that its non-powered products and cable products will be free from defects in material and workmanship for as long as you or your customer owns the product. All Zigen non-powered products and cables are designed and engineered to meet and exceed performance specifications. If, at anytime, the product fails due to manufacturer defect, Zigen will repair or replace the product to ensure that it meets original performance specifications. Reduced performance due to normal wear and tear, or damages caused by misuse or negligence will not be covered. Zigen will test and evaluate all non-powered and cable products claimed defective. Products must be shipped to Zigen, prepaid along with proof of purchase only after obtaining a Return Merchandise Authorization (RMA) number from the Zigen. This statement of policy is in lieu of any other policy expressed or implied and no representative or person is authorized to assume any other liability or adopt any other policy for Zigen without our written consent.

Return Policy

If you would like to return a Zigen product, it can be done within 30 days of purchase for a full refund, less shipping and handling. Zigen will not be responsible for shipping and handling of product returns. Returns will only be accepted of products with proof of purchase, products in the original packaging with zero to minimal use and a Return Merchandise Authorization RMA number provided by Zigen.

Contacting Zigen

Technical Support

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Features

- The ZIG-DAC takes a coaxial digital audio signal input in S/PDIF format and converts it into analog audio signal L/R output

- Supports LPCM 2CH audio sampling rates from 32 to 96 kHz (32, 44.1, 48, 88.2 and 96 kHz)

- Supports DTS 2.0 5.1CH audio sampling rates up to 96 kHz

- Supports Dolby Digital 5.1CH audio sampling rates up to 48 kHz

- Supports down-mixing all Dolby Digital & DTS 2.0 5.1 channels down to 2-channel audio

- Supports S/PDIF bitstream 24-bit of data for the left and right channels

- Compact, elegant design, and easy to install

Packing List

The ZIG-DAC is packaged with the following items:

- 1× Coaxial to Analog Audio Converter with Dolby Digital Decoder & DTS 2.0 Decoder
- 1× 5V/1.2A DC Power Adapter
- 1× Operation Manual

If any of these products are not present upon first opening of the package, please contact Zigen or your reseller.

This product uses UL-Listed power supplies

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The ZIG-DAC with Dolby® Digital & DTS™ 2.0 Decoder provides the ideal solution for

converting a coaxial digital audio signal to analog stereo audio. It provides high quality

sound conversion. The Dolby Digital & DTS 2.0 function guarantees that Dolby

digital/DTS2.0 audio signals are down-mixed to analog stereo without loss of quality. This

unit is perfect for use with HXL-88 and HXL-44 matrices routers.

1   **Dolby/DTS LED Indicator**
    When the source audio is encoded with Dolby Digital the LED will illuminate in green and
    when with DTS 2.0 the LED will illuminate in red other types of audio the LED will not
    illuminate.

2   **Coaxial IN**
    Connect the Coaxial input to a coaxial digital audio source, such as a Game Console, HDTV or
    Set-top Box.

3   **Power 5V**
    Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

4   **Power LED**
    The LED will illuminate when connected to power.

1 R/L Line Out

Connect the R/L analog audio output to the input of your AV Receiver or audio AMP.

Digital Coaxial Input

Analog Stereo Output

Specifications

Input Port	1 Digital RCA Input
Output Port	1 pair of L/R Analog Outputs (2 RCA Individual Outputs)
Power Supply	5V/1A DC (US/EU Standards, CE/FCC/UL certified)
Output Level	2 Vrms ± 10%
THD+N	< 0.007%
Frequency Response	±1 dB
SNR	> 100 dB
Crosstalk	< - 115 dB
Dimensions	55 mm (W)×75.5 mm (D)×22.5 mm (H) (Jacks Excluded) 55 mm (W)×86 mm (D)×22.5 mm (H) (Jacks Included)
Weight	42 g / 1.48 oz
Chassis Material	Metal
Chassis Color	Black
Silkscreen Color	White
Operating Temperature	0 - 40˚C / 32 - 104˚F
Storage Temperature	-20 - 60˚C / -4 - 140˚F
Relative Humidity	20-90% RH (non-condensing)
Power Consumption	1.7 W