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AUDIO CONVERTER



AC300

Coaxial / Toslink Audio Converter with Dolby® Decoder

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1. Introduction

Tributaries AC300 is an Optical to Analog Audio Converter (DAC) with Dolby® Digital Decoding. This unit provides the ideal solution for converting an optical signal to analog stereo audio. With audio sampling rate support up to 48kHz (Dolby Digital)/96kHz (LPCM) and I/O data rate support up to 24-bit, the AC300 provides high quality sound conversion that guarantees the Dolby digital audio signals are down-mixed to analog stereo without loss of quality. Powered by USB power, the AC300 is easy to install and use. It can be used with USB equipped HDTVs, Blu-ray players, amplifiers or computers without the need for a separate power supply.

2. Features

- Converts Dolby Digital formatted audio into stereo analog audio.
- Perfect for HDTVs with digital audio output and analog audio amplifier inputs
- Supports uncompressed digital LPCM stereo or Dolby Digital 5.1 CH audio inputs
- Supports LPCM 2CH audio sampling rates from 32 to 96 kHz (32, 44.1, 48, 88.2 and 96 kHz)
- Supports Dolby Digital 5.1CH audio sampling rates of 48kHz
- Supports Dolby Digital audio down-mixing to 2 channel audio
- Supports S/PDIF bitstream 24-bit of data for left & right channels
- Compact design is easy to install and use

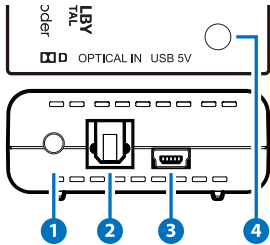


3. Package Contents

- AC300 Audio Convertor with Dolby Decoder
- Mini-USB to USB A type cable
- 5 volt, 1 amp USB power supply
- Operation Manual

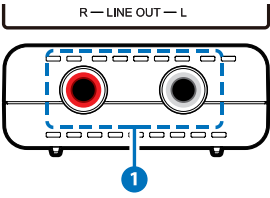
4. Operation Controls and Functions

4.1 Front Input Panel



- 1 Dolby LED indicator:** When the source audio is encoded with Dolby Digital the LED will illuminate.
- 2 Optical Input:** Connect an optical cable from the source's optical output to the AC300's Optical input.
- 3 USB 5VDC power port:** Connect a Mini USB > USB A cable from AC300 to a USB powered port.
- 4 Power LED:** The LED will illuminate when connected to a power source.

4.2 Back Output Panel

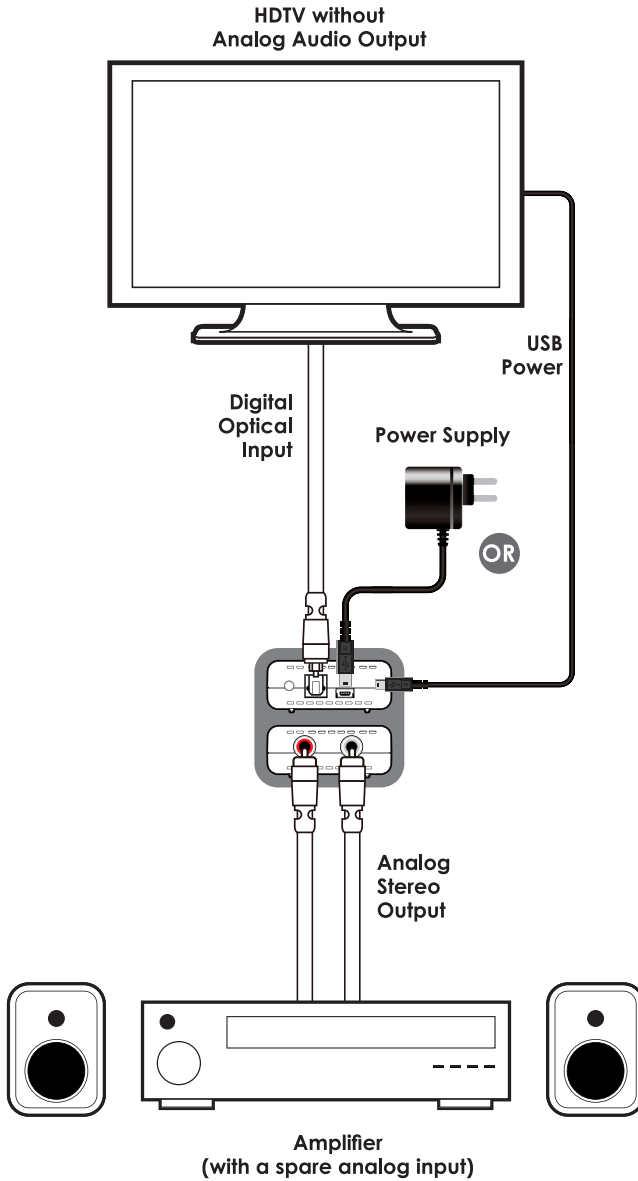


- 1 R/L Line Out:** Connect the R/L analog audio output to the input of your AV Receiver or audio system.

5. Specifications

Input Port	1 X Optical
Output Port	1 X L/R (RCA)
Power Supply	USB power supply
Output Level	1Vrms + 10%
Total Harmonic Distortion	< 0.018%
Frequency Response	+ 1 dB
Signal-to-Noise Ratio	> 80dB
Crosstalk	< -80 dB
Dimension	55mm (2 1/8") (W) x 82mm (3 1/4") (D) x 22.5mm (3/4") (H)
Weight	46g (1 5/8 oz)
Operating Temperature	32°F - 104°F
Storage Temperature	-4°F - 140°F
Relative Humidity	20 – 90% (non-condensing)
Power Consumption	1.8 W

6. Connection Diagram





7. HDMI Electronics 2 Year Warranty

This Warranty only applies to products purchased and used in the United States of America. Products purchased or used outside the United States are subject to such warranties, if any, as are provided by the Tributaries distributor in the respective countries.

Scope and Duration of Warranty

Subject to the terms and conditions stated below, Gordon J. Gow Technologies, Inc., ("Gow") warrants that this Product shall be free from defects in workmanship or materials for a term of two (2) years from the date when it was purchased from an Authorized Gow Dealer.

What Gow Will Do Under the Warranty

In the event of any defect covered by this warranty, Gow shall without charge provide all parts, materials, and labor necessary to restore the Product to its original specifications, and shall return the Product to its owner at Gow's expense. In the alternative, Gow may at its sole option either replace the Product without charge, or if replacement is not commercially practicable or repair or replacement cannot be accomplished within a reasonable time, Gow may refund the purchase price of the Product, subject where appropriate to reasonable depreciation for use in accordance with applicable laws, in full satisfaction of its warranty obligations. Gow will undertake to complete the repair and return of the Product as soon as circumstances permits, unless prevented by causes beyond its reasonable control.

LIMITATIONS ON GOW'S OBLIGATIONS UNDER THE WARRANTY

GOW'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE THE PRODUCT, OR AT ITS OPTION REFUND THE PURCHASE PRICE, AS PROVIDED FOR HEREIN ABOVE. GOW DOES NOT WARRANT AGAINST, NOR SHALL IT BE LIABLE FOR, ANY OF THE FOLLOWING: REMOVAL OR INSTALLATION CHARGES: SHIPPING EXPENSES TO GOW OR ITS AUTHORIZED SERVICE FACILITY: PROPERTY DAMAGE OF ANY KIND: OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES OF ANY KIND.

Note: Some states do not allow exclusion or limitation of consequential damages, so the foregoing exclusion may not apply.



Exclusions: Parts and Occurrences That Are Not Covered by the Warranty

This Warranty does not cover any of the following: (A) glass panels, cabinetry, trim, or any other appearance items (except) where they are defective at the time of original sale and the Product is delivered for repair within the first thirty (30) days thereafter; (B) batteries, or failure of or damaged to the Product caused by batteries; (C) failures arising from catastrophe, misuse, neglect, or failure to properly connect an operate the Product in accordance with the accompanying instructions; (D) failures arising from improper installations of the Product or incompatibility of other components in the system of which the Product is a part; (E) failures of any kind in Products (I) which have been purchased from other than an Authorized Gow Dealer, or (II) which evidence any tampering, alteration, or attempted servicing by anyone other than Gow or an Authorized Gow Service Facility, or (III) which are not delivered or shipped to Gow or an Authorized Service Facility within the two (2) year Warranty term; and Gow shall have no liability or obligation of any kind with respect to any of the foregoing types of failures.

What the Owner Must Do to Obtain Service Under This Warranty

To obtain service under this warranty, the owner must at the owner's expense (I) arrange for any necessary de-installation of the Product, and (II) return the Product to the Authorized Gow Dealer from which it was purchased. If return to the Authorized Gow Dealer is impracticable, the owner must deliver or ship the Product, properly packaged, prepaid, and insured, to Gow at the address below, or to an Authorized Gow Service Facility. In addition, the owner must provide evidence that the Product is a the time of delivery with the scope of this Warranty, by either having completed and submitted to Gow on a timely basis the Warranty Registration Card, if one is included with the Product, or by including the original or a legible copy of the dated sales receipt with the Product when submitted for repair. All Products must also be accompanied by the owner's name, address, and telephone number.

What the Owner Must Pay For

As noted above, the owner must arrange and pay any expense for removing the Product from its installation and delivering it to Gow or the Authorized Gow Service Facility. Upon return of the Product to the owner following repair, it shall be the owner's responsibility to arrange and pay for any reinstallation which may be required. In addition, it shall be the owner's obligation to pay for any repairs made to Products for which the owner has neither completed and submitted (where one is included) the warranty Registration Card at the time of purchase nor include a legible copy or the original of the dated sales receipt with the Product when delivered for service, or which are otherwise subject to the exclusions noted above, at Gow's or its Authorized Service Facility's then current repair rates.

How to Learn Where the Nearest Authorized Gow Service Facility is, or Obtain Answers to Other Questions Concerning This Warranty

In order to learn the name and address of the nearest Authorized Gow Service Facility, obtain instructions for shipment of a covered Product to Gow, or obtain the answers to any other questions you may have concerning this Warranty, you may telephone Gow between the hours of 9:00a.m. and 5:00p.m. Eastern Time, Monday through Friday, at 1.888.554.2514, or write to Service Department, Gordon J. Gow Technologies, Inc. 6448 Pinecastle Blvd; Suite 101, Orlando, FL 32809, (Fax 1.800.553.1366).

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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