



# AU-D5D

Coaxial to Analogue Stereo Audio Converter with Dolby®  
Digital & DTS® 2.0 Decoder

**OPERATION MANUAL**



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## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

VERSION NO.	DATE	SUMMARY OF CHANGE
v1.00	11/08/15	First release






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## 1. INTRODUCTION

The Coaxial to Analogue Audio Converter (DAC) with Dolby® Digital & DTS™ 2.0 Decoder provides the ideal solution for converting an coaxial digital audio signal to analogue stereo audio. It provides high quality sound conversion. The Dolby Digital & DTS 2.0 function guarantees that Dolby digital audio signals are downmixed to analogue stereo without loss of quality. This unit is perfect for use in computer audio systems or digital mixing consoles.

## 2. APPLICATIONS

-  Converting digital coaxial audio into analogue stereo
-  Converting Dolby Digital formatted audio into analogue stereo
-  Converting DTS 2.0 formatted audio into analogue stereo
-  HDTV with only digital audio output to analogue amplifier input
-  Improving the digital to analogue conversion quality from any stereo optical digital audio source

## 3. PACKAGE CONTENTS

-  Coaxial to Analogue Audio Converter with Dolby Digital Decoder & DTS 2.0 Decoder
-  Operation Manual

## 4. SYSTEM REQUIREMENTS

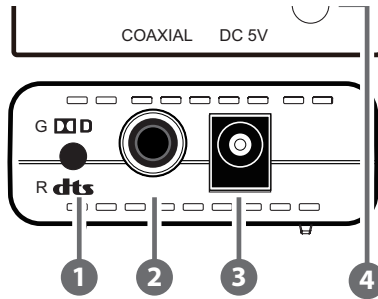
Digital audio source device such as DVD/Blu-ray player or Media player with an coaxial output cable and to a device such as an amplifier or AV receiver with analogue stereo input.

## 5. FEATURES

- /// Supports coaxial digital audio signal input and conversion into analogue 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 of up to 48 kHz
- /// Supports Dolby Digital & DTS 2.0 audio downmixing 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

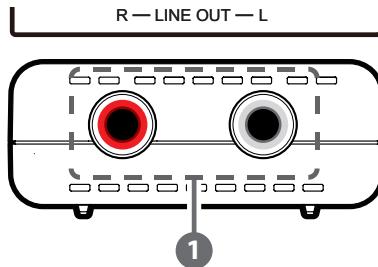
## 6. OPERATION CONTROLS AND FUNCTIONS

### 6.1 Front Panel



- 1 Dolby/DTS LED Indicator:** When the source audio is encoded in Dolby Digital the LED will illuminate in green. When the source audio is encoded in 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 an Coaxial digital audio source, such as a Games 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.

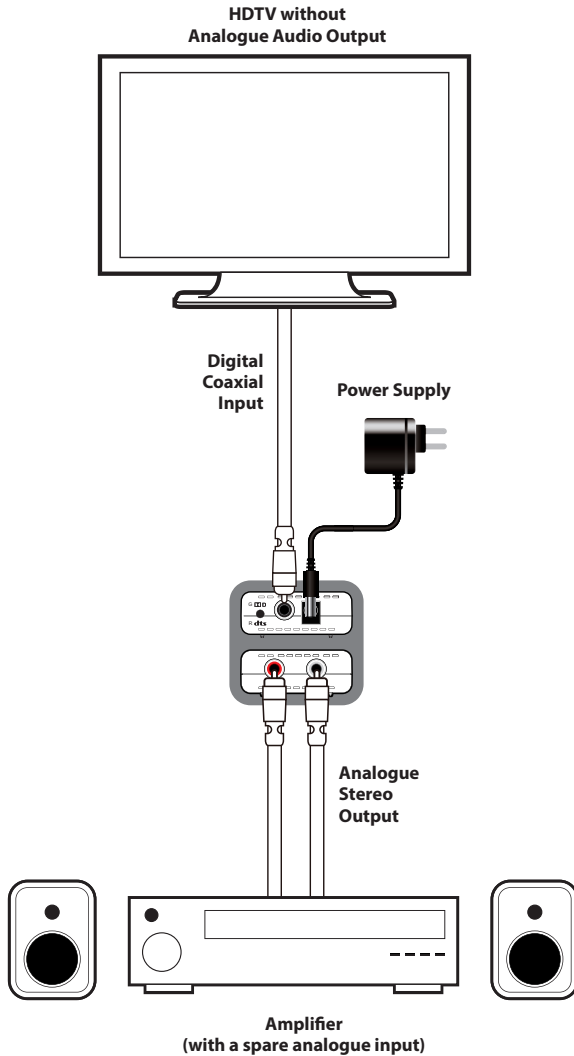
### 6.2 Rear Panel



- 1 R/L LINE OUT:** Connect the R/L analogue audio output to the input of your AV Receiver or audio system.



## 7. CONNECTION DIAGRAM



## 8. SPECIFICATIONS

### 8.1 Technical Specification

<b>Input Port</b>	1×Coaxial
<b>Output Port</b>	1×L/R (2×RCA)
<b>Power Supply</b>	5V/1A DC (US/EU standards, CE/FCC/UL certified)
<b>Output Level</b>	2Vrms ± 10%
<b>THD+N</b>	<0.007%
<b>Frequency Response</b>	±1 dB
<b>SNR</b>	>100 dB
<b>Crosstalk</b>	<-119 dB
<b>Dimensions</b>	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
<b>Weight</b>	42 g
<b>Chassis Material</b>	Plastic
<b>Silkscreen Colour</b>	White
<b>Operating Temperature</b>	0 °C ~ 40 °C/32 °F ~ 104 °F
<b>Storage Temperature</b>	-20 °C~60 °C/-4 °F~140 °F
<b>Relative Humidity</b>	20~90% RH (non-condensing)
<b>Power Consumption</b>	1.7 W

### 8.2 Audio Specifications:

	Output Level	T.H.D+N (A-Weight)	Frequency Response	SNR	Crosstalk
<b>Coaxial 0dBFS/1kHz/</b>	2Vrms±10%	<0.01%	±1 dB	>100 dB	<-115 dB

### 8.3 Input Audio to Output Audio Chart:

AUDIO INPUT	INPUT FORMAT	AUDIO L/R OUTPUT
<b>COAXIAL</b>	LPCM 2CH	Analogue 2CH
	Dolby Digital	Decoding Lt/Rt
	DTS	Decoding Lo/Ro

## 9. ACRONYMS

ACRONYM	COMPLETE TERM
<b>DAC</b>	Digital to Analogue Converter
<b>RCA</b>	Audio Connector (Radio Corporation of America)
<b>SNR</b>	Signal-to-noise Ratio
<b>THD</b>	Total Harmonic Distortion
<b>USB</b>	Universal Serial Bus



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