GREEN AUDIO

User Manual

DAE 300

Audio Extender

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Preface

Read this user manual carefully before using this product. Pictures shown in this manual are for reference only; the actual product may vary.

This manual is for operation instruction only and not for any maintenance or repair.

Trademarks

Product model and logo are trademarked. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without prior written consent.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user, at their own expense, will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacturer would void the user's authority to operate the equipment.

SAFETY PRECAUTIONS

To insure proper operation, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment

- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.

- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.

- Using supplies or parts not meeting the product's specifications may cause damage, deterioration or malfunction.

- Refer all servicing to qualified service personnel.

- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.

- Do not remove the housing of the device, as opening or removing housing may expose you to dangerous voltage or other hazards.

- Install the device in a place with adequate ventilation to avoid damage caused by overheating.

- Keep the device away from liquids.

- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the device immediately.

- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

- Unplug the power cord when left unused for a long period of time.

- If disposing of the unit, do not burn or mix with general household waste. The device must be disposed of per local regulations for electronic recycling.

Contents

1. Introduction

1.1 Introduction to the DAE 300

The DAE 300 is an audio extender set that includes [1] DAE 300 Transmitter and [1] DAE 300 Receiver. It is designed to extend an analog stereo audio signal up to 170m. It is designed to extend a stereo analog audio signal up to 170m or an optical/coax digital audio signal up to 290m over CATx cable.
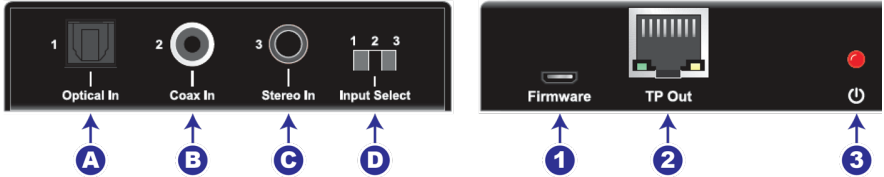
1.2 Features

- Select from one of three different audio inputs: Optical, Coax, or Analog Stereo.
- Simultaneous audio to three different outputs: Optical, Coax, and Analog Stereo.
- Connect power only at the receiver end – the transmitter is powered over the CATx cable by the receiver.

1.3 Package List

➢ 3 DAE 300 Audio Transmitters

➢ 3 DAE 300 Audio Receivers

➢ 3 Mounting Kits (4x Mounting Ears and 8x Screws each)

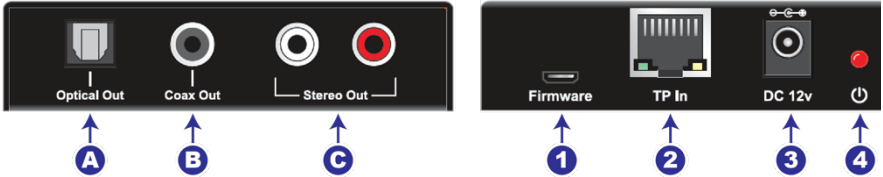➢ 3 Power Supplies (12vDC, 1A)

➢ 1 User Manual

2. Panel Description

2.1 DAE 300 Audio Transmitter

Front Panel	A.	Optical digital audio input, connects to audio source.
	B.	Coax digital audio input, connects to audio source.
	C.	Stereo audio input, connects to audio source.
	D.	3-position switch for selecting audio input source.
Rear Panel	1.	Micro USB port for updating firmware.
	2.	RJ45 ports, connect to the "TP IN" port of DAE 300 Receiver.
	3.	Red power indicator.

2.2 DAE 300 Audio Receiver

Front Panel	**A.**	Optical digital audio output, connects to audio playback device.
	B.	Coax digital audio output, connects to audio playback device.
	C.	Stereo analog audio output, connects to audio playback device.
Rear Panel	**1.**	Micro USB port for updating firmware.
	2.	RJ45 ports, connect to the "TP OUT" port of DAE 300 Transmitter.
	3.	Power port, connects to 12VDC power adaptor.
	4.	Red power indicator.

3. System Connection

3.1 Usage Precautions

1) System should be installed in a clean environment that has a proper temperature and humidity.
2) All of the power switches, plugs, sockets and power cords should be installed properly.
3) All devices should be connected before powering on the devices.

3.2 Connection Procedure

Step1. Turn off your audio playback devices (amplifier, audio receiver, etc.) to avoid damaging your ears or equipment.

Step2. Run a CATx cable between the DAE 300 transmitter and receiver, terminated with T568B pattern.

Step3. Connect an input source to the DAE 300 transmitter and change the input selector to match.

Step4. Connect an output device (up to 3) to any of the DAE 300 receiver outputs.

Step5. Connect the DC 12V power adaptor to the power port on the DAE 300 receiver.

Step6. Turn on your audio playback devices and activate audio on your source device.
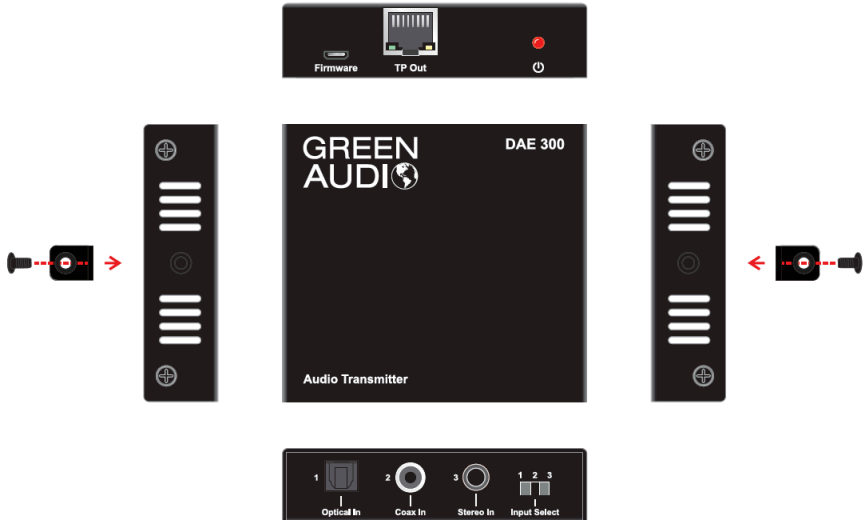
4. Specifications

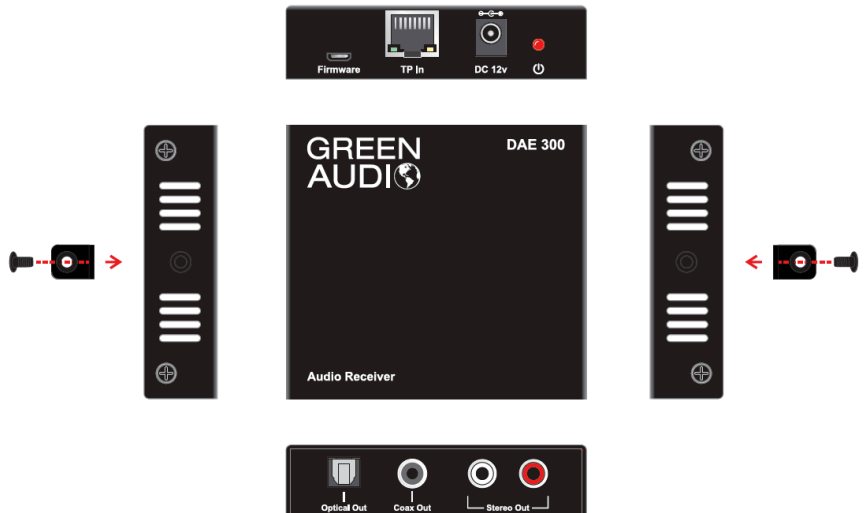| DAE 300T Transmitter		DAE 300R Receiver	
Input	Optical (EIAJ Optical), Coax (RCA) or Stereo (3.5mm TRS)	**Input**	1 TP In (8P8C)
Output	1 TP Out (8P8C)	**Output**	Optical (EIAJ Optical), Coax (RCA) & Stereo (2x RCA)
General			
Audio Format	Optical & Coax: PCM/Dolby/DTS* Stereo: 2CH PCM		
Multichannel Compatibility	Optical & Coax: 2.0-7.1		
Frequency Response	20 Hz to 20 kHz, ±3 dB		
Sample Rate	Optical & Coax: 48k/96k/192k 16bit/18bit/24bit		
Transmission Distance	Stereo: Up to 170m (CAT5e/6/7) Optical/Coax: Up to 290m (CAT5e/6/7)		
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC, 1A		
Power Consumption	2.5W (Max)		
Work Temperature	-10 ~ +55℃		
Humidity	10% ~ 90%		
Net Weight	Transmitter: 110g; Receiver: 119g		
Dimension(W*H*D)	88mm x 80mm x 21.5mm		

*Dolby and DTS audio are only supported on the Optical and Coax outputs. The extender sets will not convert Dolby or DTS digital audio to the Stereo Out.

5. Panel Drawing

5.1 DAE 300 Transmitter

5.2 DAE 300 Receiver

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6. Troubleshooting & Maintenance

- No Audio on any output

  - Test CATx Cable for pinout and continuity

  - Ensure set is powered on both ends by checking the red power LED

- No audio on Stereo Out

  - Change audio format to 2ch (stereo) PCM

If your problem persists after following the above troubleshooting steps, please contact your authorized reseller or Green Audio technical support.

7. After-sales Service

1) **Product Limited Warranty:** We warrant that our products will be free from defects in materials and workmanship for **three years.**
2) **Warranty coverage may be voided when:**
   - The warranty period has expired
   - The factory applied serial number has been altered or removed from the product
   - There is damage, deterioration or malfunction caused by:
     - Atypical wear and tear
     - Use of supplies or parts not meeting the specifications
     - No certificate or invoice as the proof of warranty
     - Damage caused by force majeure
     - Non-authorized service
3) **Technical Support:** When contacting Green Audio support, please have the following information available:
   - Product part number
   - Product serial number
   - Installation and sale date
   - Detailed failure information