



PULSEAUDIO™

DIGITAL-ANALOG AUDIO EXTENDER



PART NUMBER PA-EXTDA

**DIGITAL AND ANALOG AUDIO EXTENSION OVER A
SINGLE CAT5E/6 CABLE**

pulseaudio1.com | vanco1.com | 800.626.6445

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

THIS PRODUCT IS 100% INSPECTED AND TESTED IN THE UNITED STATES TO VERIFY PERFORMANCE PARAMETERS.

WARNING

1. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
2. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
3. Do not install near any source of heat, including other units that may produce heat.
4. Do not place unit near flames.
5. Only clean unit with a dry cloth.
6. Unplug unit during lightning storms or when not used for an extended period of time.
7. Protect the power cord from being walked on or pinched, particularly at the plugs.
8. Use unit only with accessories specified by the manufacturer.
9. Refer all servicing to qualified personnel.

o FEATURES

The Pulse Audio PA-EXTDA is a digital-analog audio extender over a single Cat5e/6. It is designed to extend the analog audio signals up to 170m, or digital audio signal up to 290m via toslink or coax audio input. Selecting the audio source is quick and easy with the use of a toggle switch. The toslink, coax, and RCA audio outputs are all synchronized and can be used simultaneously to provide digital and analog audio to 3 different audio devices at the same time without any lag between audio formats. With POC technology, the transmitter can be powered by the receiver for a for quick and easy installation.

DIGITAL/ANALOG AUDIO EXTENDER Part # PA-EXTDA

- Analog audio extension over a single Cat5e/6 via 3.5mm connection
- Digital audio extension over a single Cat5e/6 via Toslink and/or Coax connection
- Inputs can be manually switched
- Three audio synchronous outputs: TOSLINK, COAX & RCA (L+R)
- Supports PCM, DTS, and Dolby audio formats
- POC technology allows Transmitter to be powered up by the Receiving unit for easy installation
- Transmits analog audio signals up to 557ft/170m over a single CAT5e/6 cable
- Transmits digital audio signals up to 951ft/290m over a single Cat5e/6 cable

o PACKAGE CONTENTS

- Digital-Analog Audio Extender (Transmitter and Receiver)
- Power Adapter (12VDC, 1A)
- Mounting ears and screws
- 8 Plastic Cushions
- Product Manual

◦ PANEL DESCRIPTIONS

TRANSMITTER



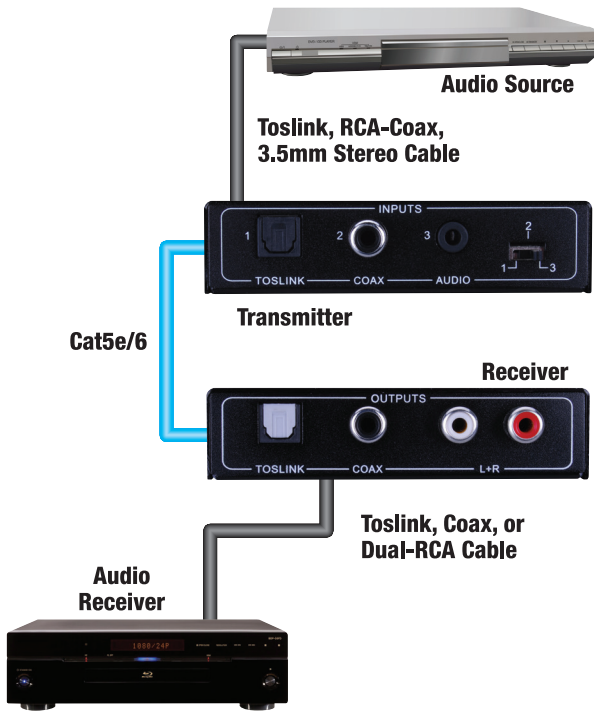
1. TOSLINK digital audio input port, connects to audio source
2. COAX digital audio input port, connects to audio source
3. Stereo audio input port, connects to audio source
4. Toggle switch for selecting audio source input
5. Micro USB port for updating firmware
6. RJ45 port, connects to the “TP IN” port of Receiver for extension
7. Power indicator

RECEIVER



1. TOSLINK digital audio output port, connects to audio output device
2. COAX digital audio output port, connects to audio output device
3. RCA (L+R) audio output port, connects to audio output device
4. Micro USB port for updating firmware
5. RJ45 ports, connects to the “TP OUT” port of Transmitter for extension
6. Power port, connect the included 12VDC power adaptor
7. Power indicator

o CONNECT AND OPERATE



1. Connect an audio source to any of the inputs on the Transmitter unit
2. Set the switch on the transmitter to the corresponding input that will be transmitting the audio (1: Toslink, 2: RCA-Coax, 3: 1/8" Stereo Jack)
3. Connect a well terminated Cat5e/6 cable to the RJ45 port on the transmitter and receiver
4. Connect audio output(s) to your audio device(s) (ex: amplifier) using the toslink, coax, or dual-RCA outputs
5. Connect power to the Receiving unit
6. Turn on source and audio output device(s) and test

o SPECIFICATIONS

Transmitter	Input: TOSLINK, COAX or AUDIO; Output: 1 TP OUT
Receiver	Input: 1 TP IN; Output: TOSLINK, COAX and RCA (L+R)
Audio Format	TOSLINK & COAX: PCM/Dolby/DTS; AUDIO: Stereo
Sound Channel	TOSLINK & COAX: 2.0-7.1
Frequency Response	20 Hz to 20 kHz, ± 3 dB
Sample Rate	TOSLINK & COAX: 48k/96k/192k 16bit/18bit/24bit
Transmission Distance	Stereo: Up to 170m (CAT5e/6/7); TOSLINK/COAX: Up to 290m (CAT5e/6/7)
Power Supply	Input: 100VAC-240VAC, 50/60Hz; Output: 12VDC, 1A
Power Consumption	2.5W (Max)
Work Temperature	14 ~ 131F / -10 ~ +55 Celsius
Humidity	10% ~ 90%
Net Weight	Transmitter: 110g; Receiver: 119g
Dimension	88mm x 80mm x 21.5mm

o SAFETY AND NOTICE

The PA-EXTDA has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PA-EXTDA should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning

o TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com. When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call. Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation. All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theatre applications. For additional information please visit www.vanco1.com.

o LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher. Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

o LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended. Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges. If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

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