



PULSEAUDIO™

AUDIO DELAY

# DEVICE



**PART NUMBER PA-ADS1**

DELAYS ANALOG AUDIO TO SYNC UP WITH VIDEO FOR ANY "LIP SYNC" ISSUES

[pulseaudio1.com](http://pulseaudio1.com) | [vanco1.com](http://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.

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## 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.

## ◦ FEATURES

The PA-ADS1 is an analog audio delay device with simple stereo RCA audio input and output to resolve “lip sync” issues in audio and video systems. Often analog audio would be processed faster than the digital video content which results in audio and video out of sync. The PA-ADS1 is a simple and perfect solution with 16 increments to delay audio anywhere from 20ms to 340ms with a turn of a dial.

## ◦ Analog Audio Delay Device

### Part # PA-ADS1

- Adjustable up to 16 increments ranging from 20 - 340ms
- Analog L/R RCA input and output
- Simple and easy to use with a manual adjustment dial
- Compact size for discreet placement
- DC 5V Power
- Dimensions: 2.5" W x 0.9" H x 3" D

## ◦ PACKAGE CONTENTS

- PA-ADS1 Device
- Power Supply
- Product Manual

## ◦ SPECIFICATIONS

Dimensions .....	2.5" W x 0.9" H x 3" D
Weight.....	0.2 lbs
Operating Temperature .....	32 to 95F; 0 to 35C
Operating Humidity .....	5-90% RH
Power Supply .....	5V, 1A
Power Consumption .....	5W
Input.....	Analog RCA
Output.....	Analog RCA
Certification.....	CE, FCC

## ◦ PANEL DESCRIPTIONS



1. Power: Connect the included 5V 1A power supply
2. RCA Left and Right Stereo Audio Input
3. RCA Left and Right Stereo Audio Output
4. Audio Delay Dial; adjust on the fly, with increments ranging from 20 - 340ms

## ○ CONNECT AND OPERATE



1. Connect RCA stereo input from the A/V source
2. Connect RCA stereo output from the PA-ADS1 to an external amplifier
3. Connect power
4. Adjust the Audio Delay Dial as desired
5. 16-Way Audio Delay Selector

Setting	Delay (ms)
0	20
1	43
2	64
3	85
4	107
5	128
6	149
7	171
8	192
9	213
A	235
B	256
C	277
D	299
E	320
F	340

## ◦ SAFETY AND NOTICE

The PA-ADS1 has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PA-ADS1 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

## ◦ 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](mailto: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](http://www.vanco1.com).

## ◦ 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.

## ◦ 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.

## **Vanco® International**

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