



PULSEAUDIO™

Two Source, Four Pair Stereo Speaker

SELECTOR BOX

with Volume Control



PART NUMBER PA-SS4V

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.

◦ FEATURES

Thank you for your purchase of a PA-SS4V Two Source, Four Pair Speaker Selector Box with Volume Control. The PA-SS4V is a low-profile speaker distribution system which features:

- An independent On/Off switch for each zone of audio
- Impedance matching volume control for each audio zone
- The ability to select either of the two stereo speaker-level signals to 4 audio zones

Dual-Source Four Pair Stereo Speaker Selector with ◦ Volume Control Part # PA-SS4V

- Distributes high level stereo signals from 2 sources to up to 4 zones
- Easy selectable impedance matching to protect amplifiers and equipment
- Spring loaded speaker terminals accepts up to 14 gauge speaker wire
- 12 step volume control settings
- Independent ON/OFF button for each zone
- Rack mounting accessories included
- Rated up to 100W RMS per channel
- Dimensions: 16.7" x 7.1" x 1.7"

◦ PACKAGE CONTENTS

- PA-SS4V Speaker Selector
- Product Manual

◦ SS4V PANEL DESCRIPTIONS

Front Panel



1. Speaker Zone ON/OFF Button
2. Volume Control Dial
3. Zone Source Selection Button (A/B)
4. Unit ON/OFF Button

Back Panel



1. Spring Loaded Inputs
2. Impedance Switch - 1 for each zone (see chart below)
3. Spring Loaded Speaker Outputs

◦ CONNECT AND OPERATE

The “+/-” polarity connections for the inputs and outputs are clearly marked on the rear panel and use spring loaded speaker terminals. Make sure that the system and all source components are powered down before making any connections.



1. With any and all amplifiers and sources turned off, connect the speaker wire to the appropriate “+/-” terminals of each speaker
2. Route the speaker wires from amplifier or receiver to the speaker selector. The terminals on the speaker selector accepts up to 14 gauge wire
3. Strip ¼” insulation from the end of the speaker wire and slightly twist to avoid fraying
4. Press to open the appropriate spring-loaded speaker selector terminal (INPUT) and insert the striped end of the wire into the proper terminal. Make sure the proper “+/-” polarity is maintained when connecting the speaker wires
5. Next, with your source amplifier powered off, strip ¼” insulation from the end of the cable. Make sure the + and - terminals are correctly identified.
6. To connect the speakers to the PA-SS4V press to open the appropriate spring-loaded terminal (OUTPUT) and insert the striped end of the wire into the proper terminal. Make sure the proper “+/-” polarity is maintained when connecting the input wires
7. Once everything is connected, you can begin testing. Turn on the sound system and set the amplifier’s volume control to a moderate level. If each zone is turned on, check each zone for audio and balance. If you are having multiple sources connected, test each zone’s source switching



◦ SETTING THE IMPEDANCE

The impedance in the speaker selector is set to the factory default position of X4 which is proper for most applications. If certain applications require the impedance setting to change, simply switch the position of the Impedance for that specific zone or for all zones that require different impedance.

1. Determine the amplifiers minimum impedance capabilities. This is found in the amplifier's specifications. Please refer to the manufacturer's manual for this information
2. Identify the correct impedance matching from the charts below based on whether you are using 8 ohm or 4 ohm amplifiers. If your amplifier is 6 ohm stable, refer to the 8 ohm chart
3. Determine the total number of 4 ohm pairs of speakers and 8 ohm pairs of speakers
4. Follow the chart to apply the correct setting

8Ω Speakers (Pair)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0	-	x1	x1	x2	x2	x4	x4	x4	x4	x8							
1	x1	x2	x2	x4	x4	x4	x4	x8									
2	x2	x4	x4	x4	x4	x8											
3	x4	x4	x8														
4	x4	x8															
5	x8																
6	x8																
7	x8																
8	x8																

For 4 Ohm Amplifiers

8Ω Speakers (Pair)

	0	1	2	3	4	5	6	7	8
0	-	x1	x2	x4	x4	x8	x8	x8	x8
1	x2	x4	x4	x8	x8	x8	x8	x8	x8
2	x4	x8							
3	x8								
4	x8								

For 8 Ohm Amplifiers

◦ SAFETY AND NOTICE

The PA-SS4V has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PA-SS4V 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. 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.

◦ 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.

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