PULSEAUDIO™

2 CHANNEL, CLASS D
AMPLIFIERS

PA2X25
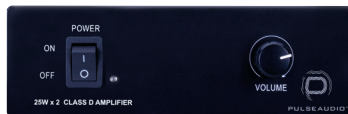
PA2X60

PA2X125

PA2X150

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

The PA2X amplifier series from PulseAudio are an ideal solution for residential and commercial audio installations that require a simple setup and great sound output. With a small footprint, but high output, these Class D amplifiers can sit on a desktop, or can easily be mounted on a wall or within a rack using the included mounting brackets. The amps can be used in a stereo system, but can also be switched for use in bridged or mono applications. The inputs consist of two stereo audio inputs, two RCA inputs, and a single 3.5mm input for versatility. Also includes an auto-ON feature so the units do not need to be powered manually, just hit play and the amps will power on automatically! With a broad range of power output to pick from, the Pulse Audio PA2X amplifier series are a great solution for any desired application.

2 CHANNEL, CLASS D AMPLIFIERS
Part # PA2X25, PA2X60, PA2X125, PA2X150

- Class D Digital Amplifier
- RCA and 1/8" Stereo Inputs
- Mixes audio when both inputs are connected and live
- Stereo and Mono/Bridge Modes
- Automatically goes into standby after 5 minutes of inactivity
- Source Sensing to come out of standby when a connected source begins to play
- AC 115/230V IN

○ PACKAGE CONTENTS

- Bridgeable Amplifier
- Power lead cable
- 1- 4 conductor Phoenix connector (screw down terminal)
- Mounting bracket and screws
- Product Manual

○ PANEL DESCRIPTIONS
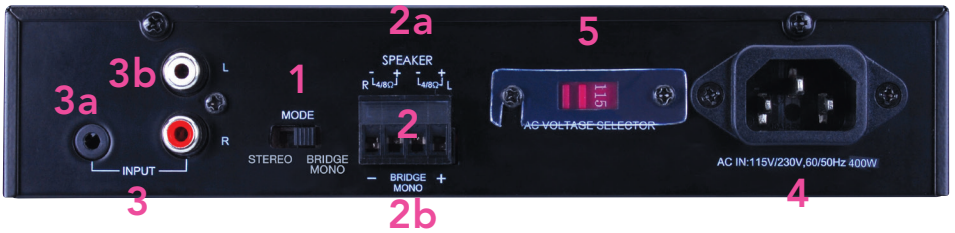
1. MODE selection between Stereo, Mono, or Bridge

2. Connection to speakers using the included phoenix connector

• For stereo operation, connect the Left and Right speaker wires to the corresponding terminals

• For bridge-mono operation, connect the positive speaker wire to the L+ and the negative speaker wire to the R+ terminals

3. Connect a source device to the INPUT terminals - 3.5 or RCA*

• 3.5mm connection

• RCA connection

4. Connect the included power supply (115/230V input)

*NOTE: When both source inputs are connected, the 3.5mm input and RCA inputs mix

○ CONNECT AND OPERATE
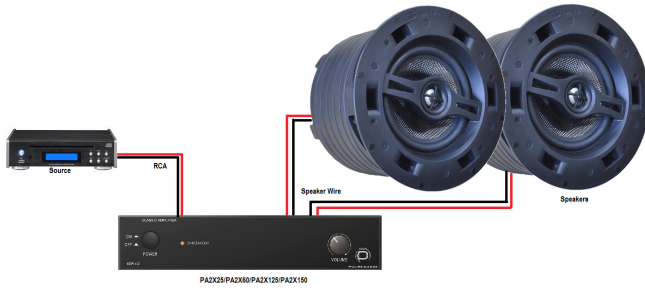
1. Connect an audio source to either the 3.5mm or the dual-RCA inputs

2. Connect the speaker wires to the provided green phoenix connector, ensuring the negative port on the amp is going to the negative terminal on the speaker(s), and the positive port on the amp is going to the positive terminal on the speaker(s).

3. Use the MODE switch to select the correct configuration

   a. For Stereo mode, all ports on the phoenix connector will be used

   b. For Bridge/Mono modes, only the outside ports of the phoenix connect will be used

4. Ensure the voltage switch is setup correctly to be used with the electrical standards in your region (set to 115v by default)

5. Connect the amp to an electrical outlet using the provided power lead

6. Press the POWER button to turn on the amplifier. A green LED will display indicating the amplifier is ready to use, a red LED will display indicating the amplifier is in the "Auto-On" state to conserve power

7. Turn on the source device and set the source output level.

8. Adjust the VOLUME using the rotary volume control; turning clock-wise will increase the volume level

Please note that after 5 minutes of inactivity, the amp will go into the "Auto On" state

○ MOUNTING

The PulseAudio PA2X series amplifiers can be mounted to a desk, shelf or wall using the provided brackets

• Use the 1/4" long machine screws to mount the brackets to the case

• Use the 9/16" long wood screws to attached the amplifier and brackets to a wood desk or shelf

• If mounting to a desktop, first remove the feet from the bottom of the amplifier

○ SPECIFICATIONS

Model Number:	PA2X25	PA2X60	PA2X125	PA2X150
Power Output (RMS @ 8 Ω)	25Wx2	60Wx2	125Wx2	150Wx2
Power Output (RMS @ 4 Ω)	45Wx2	90Wx2	180Wx2	225Wx2
Bridge Output (RMS @ 8 Ω)	90W	180W	360W	450W
Total Harmonic Distortion (THD):	<1%(Rated power: 25W @ 8Ω)	<1%(Rated power: 60W @ 8Ω)	<1%(Rated power: 125W @ 8Ω)	<1%(Rated power: 150W @ 8Ω)
Signal to Noise:	>90 dB A WTD	>90 dB A WTD	>90 dB A WTD	>90 dB A WTD
Frequency Response:	20Hz-20KHz +0/-2dB@ 8Ω	20Hz-20KHz +0/-2dB@ 8Ω	20Hz-20KHz +0/-2dB@ 8Ω	20Hz-20KHz +0/-2dB@ 8Ω
Line Level Input Sensitivity:	700mV	700mV	700mV	700mV
Thermal Protection:	Yes	Yes	Yes	Yes
Short Protection:	Yes	Yes	Yes	Yes
Dimension:	143mm x 95mm x 45mm (WxDxH)	214mm x 250mm x 44mm (WxDxH)	214mm x 250mm x 44mm (WxDxH)	214mm x 250mm x 44mm (WxDxH)
Weight:	0.6kG	1.32kG	1.65kG	1.65kG

○ SAFETY AND NOTICE

The PA2X series amplifiers has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PA2X series amplifiers 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.

Vanco® International

506 Kingsland Drive Batavia, Illinois 60510
call: 800.626.6445 | fax: 630.879.9189
visit: www.vanco1.com

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