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> Plyisty Stereo Electronic Sound Volume Control Board User Manual (Model 2604 AD827)

Plyisty 2604 AD827

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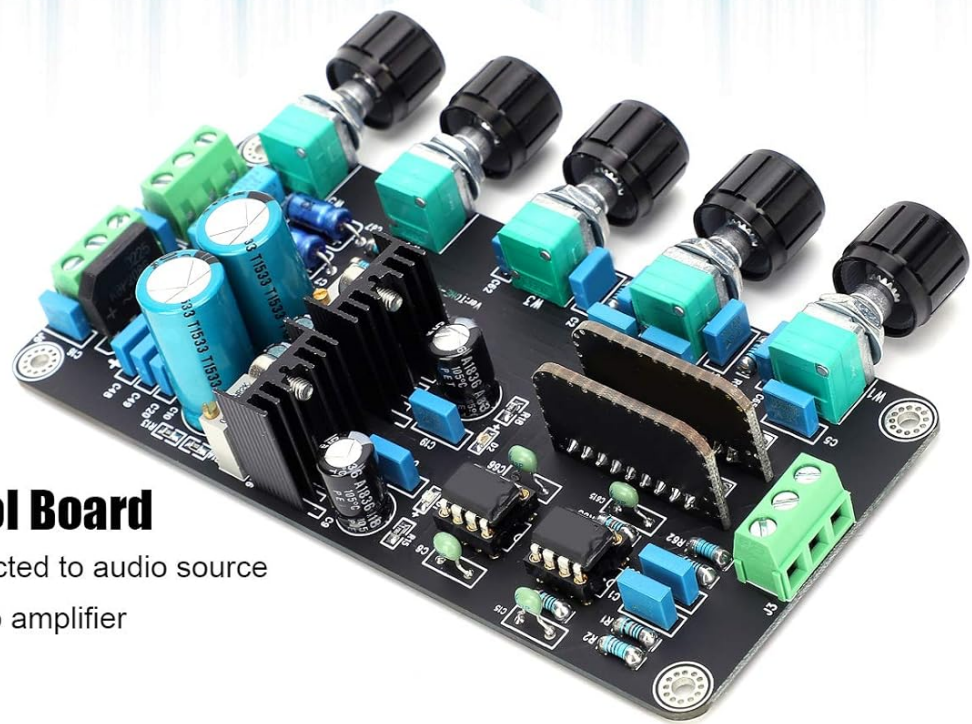
Model: 2604 AD827

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Plyisty Stereo Electronic Sound Volume Control Board, Model 2604 AD827. Please read this manual thoroughly before use to ensure proper functionality and longevity of the product.

PRODUCT FEATURES

- **High-Quality PCB:** Features a 1.6mm thick double-sided board with 45ml copper thickness and a full tinning process to ensure excellent current passing performance.
- **Low Noise Design:** Incorporates high-accuracy, low-temperature floating round sound resistance for a superior low-noise audio experience.
- **Adjustable Voltage:** Designed with adjustable voltage and high accuracy, making it suitable for various heating ceramic seal and gold seal operational amplifiers.
- **Enhanced Sound:** Recommended for use with an active preamplifier to significantly strengthen the sound field, dynamics, and overall audio width.
- **Direct Connectivity:** Allows direct connection of an audio source to its input and an amplifier to its output.



Volume Control Board

Input is directly connected to audio source

Output is connected to amplifier

Adjustable voltage

High accuracy

Low-noise

Image 1: The Plyisty Volume Control Board, illustrating its function with a sound wave graphic, emphasizing its adjustable voltage and low-noise design for audio enhancement.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Volume Control Board
- 4 x Fixing Screws
- 2 x Chips (Operational Amplifiers)
- 6 x Cable Ties
- 3 x Connectors
- 1 x Wire
- 2 x Heat Shrinkable Tubes

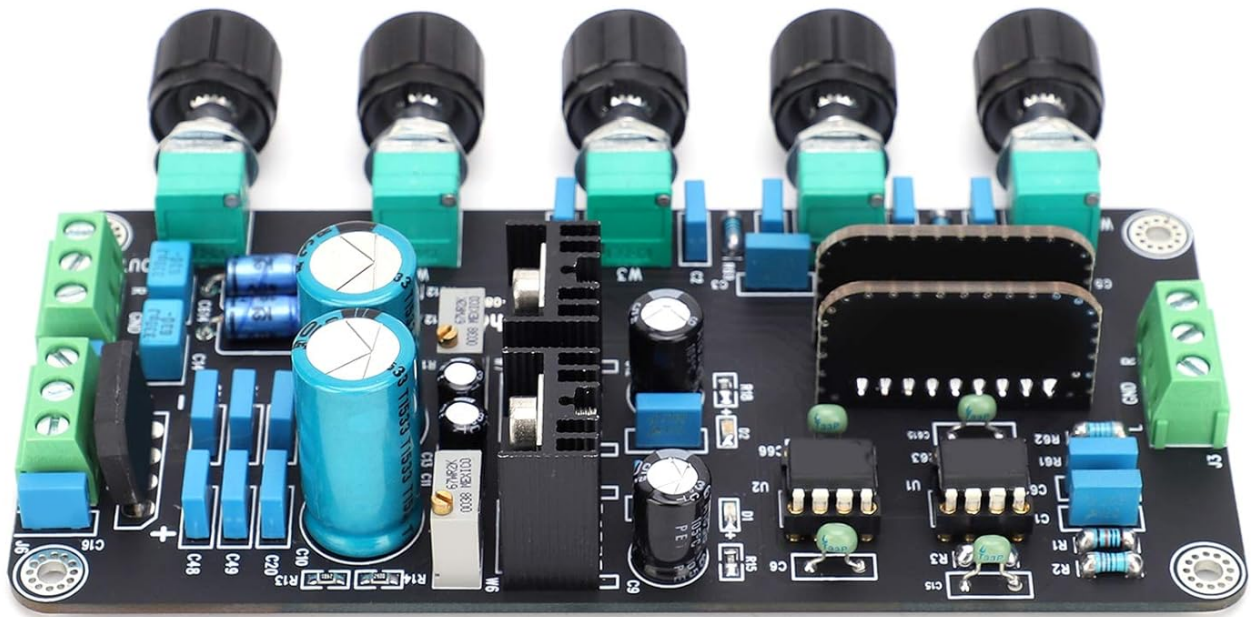


Image 2: The Plysty Volume Control Board displayed with all its included accessories, such as fixing screws, chips, cable ties, connectors, wire, and heat shrinkable tubes.

SETUP AND INSTALLATION

Follow these steps to correctly set up and install your volume control board:

1. **Power Supply Connection:** Connect a dual AC 12-18V power supply to the designated power input terminals on the board. Ensure correct polarity to prevent damage.
2. **Audio Input:** Connect your audio source (e.g., CD player, DAC, media player) directly to the clearly marked "IN" terminals on the volume control board.
3. **Audio Output:** Connect the "OUT" terminals of the volume control board to the input of your amplifier.
4. **Component Installation:** If the operational amplifier chips or other small components are not pre-installed, carefully insert them into their respective sockets or solder points as indicated on the PCB. Use the provided fixing screws for secure mounting of the board if applicable.

5. **Wiring Management:** Utilize the provided cable ties and heat shrinkable tubes to organize and insulate all wiring. This helps prevent short circuits and ensures a clean, professional setup.

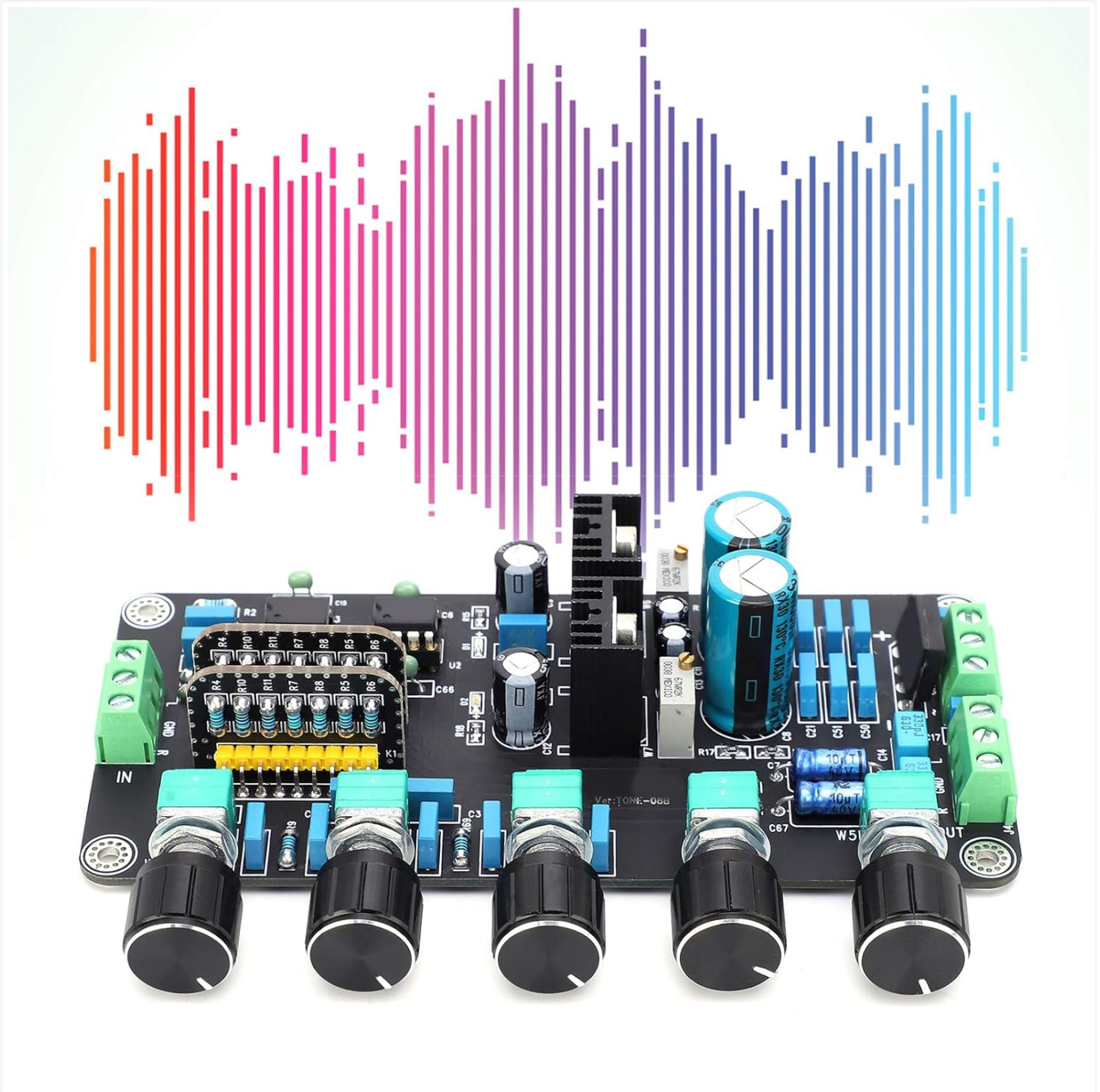


Image 3: Top view of the volume control board, clearly showing the input (IN) and output (OUT) terminals, along with the five control potentiometers for various adjustments.

OPERATING INSTRUCTIONS

Once the board is correctly installed and connected, follow these steps for operation:

1. **Power On:** Apply power to the dual AC 12-18V input. The board should now be active.
2. **Volume Adjustment:** Use the five potentiometers to adjust the desired audio parameters. These typically control master volume, bass, treble, and potentially individual channel levels or balance. Refer to the markings on the board for specific control functions.
3. **Preamplifier Recommendation:** For optimal sound field, dynamic range, and overall audio quality, it is highly recommended to use this control board in conjunction with an active preamplifier.

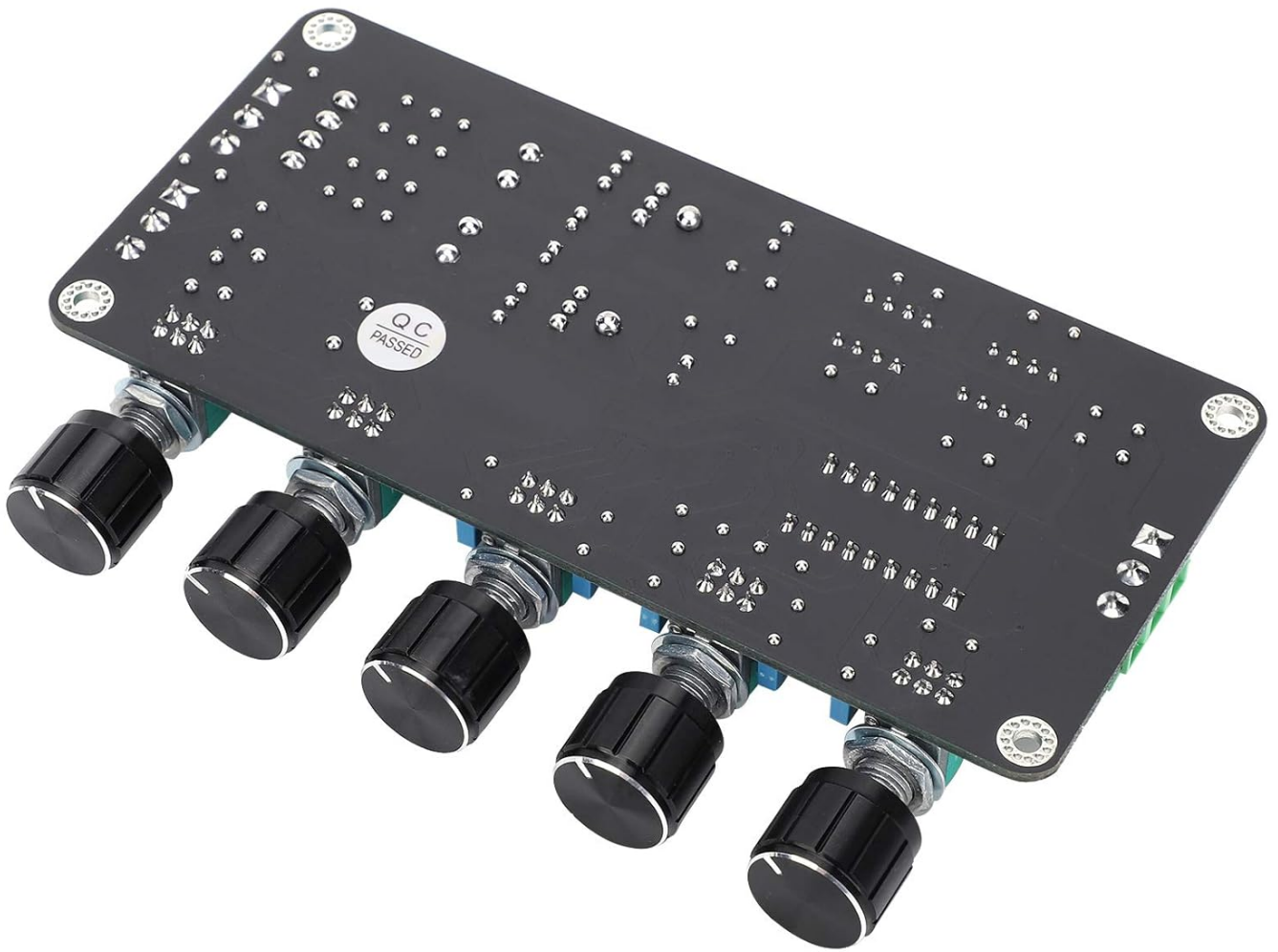


Image 4: An angled view of the Plysty Volume Control Board, showcasing the arrangement of the potentiometers and various electronic components on the PCB.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your volume control board:

- **Cleaning:** Keep the board free from dust and debris. Use a soft, dry brush or compressed air for cleaning. **Do not use liquid cleaners** directly on the board.
- **Environmental Conditions:** Operate and store the board in a dry, well-ventilated environment. Avoid exposure to extreme temperatures, high humidity, or direct sunlight.
- **Connection Checks:** Periodically inspect all electrical and audio connections to ensure they are secure and free from corrosion or loose wiring.
- **Component Inspection:** Visually inspect the board's components for any signs of physical damage, discoloration, or overheating.

TROUBLESHOOTING

If you encounter issues with your volume control board, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Incorrect power supply; loose audio connections; amplifier off/faulty.	Verify power supply (dual AC 12-18V) and polarity. Check all audio input/output cables. Ensure amplifier is powered on and functioning correctly.
Distorted sound	Input signal too strong; faulty component; incorrect impedance matching.	Reduce input signal level from the source. Inspect the board for any visibly damaged components. Ensure proper impedance matching with connected audio devices.
Humming or buzzing noise	Ground loop issue; unshielded cables; power supply interference.	Ensure proper grounding for all audio equipment. Use shielded audio cables. Try connecting the power supply to a different electrical outlet or use a filtered power strip.
Controls not responding	Faulty potentiometer; loose connection to potentiometer.	Inspect the potentiometers for physical damage. Check solder joints and connections to the potentiometers on the PCB.

SPECIFICATIONS

Key technical specifications for the Plyisty Stereo Electronic Sound Volume Control Board:

Feature	Detail
Model	2604 AD827
Supply Voltage	Dual AC 12-18V
Board Material	PCB (1.6mm thick, double-sided)
Copper Thickness	45ml
Potentiometer Distance	24mm
Recommended Use	With active preamplifier for enhanced sound

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's policy where the product was purchased or contact Plyisty customer service through their official channels. It is advisable to keep your purchase receipt for any warranty claims.

Manufacturer: Plyisty

Date First Available: 9 Nov. 2020



