

Nobsound 4330977234

Nobsound 6P1 Vacuum Tube Power Amplifier User Manual

Model: 4330977234

1. INTRODUCTION

The Nobsound 6P1 6.8W x 2 Vacuum Tube Power Amplifier is a handcrafted stereo Class A single-ended audio amplifier designed to deliver a rich, analog sound experience. This amplifier features transformer parallel output for improved power and utilizes antimagnetic transformer covers to minimize current interference, resulting in a low static noise floor. Its robust construction and classic aesthetic, complete with VU meters and visible vacuum tubes, make it a distinguished addition to any audio setup. This manual provides essential information for the safe and effective use of your amplifier.



Figure 1.1: Front view of the Nobsound 6P1 Vacuum Tube Power Amplifier, showcasing its vacuum tubes, VU meters, and volume control.

2. SAFETY INSTRUCTIONS

Please read and adhere to the following safety precautions to prevent damage to the amplifier and ensure personal safety:

- **Heat Generation:** Vacuum tubes generate significant heat during operation. Do not touch the tubes or surrounding metal parts while the amplifier is on or immediately after turning it off. Allow sufficient time for cooling.
- **Ventilation:** Ensure adequate ventilation around the amplifier. Do not place it in an enclosed space or cover its vents.

Maintain at least 10 cm (4 inches) of clear space on all sides.

- **Power Source:** Connect the amplifier only to a power outlet with the correct voltage (110-120V AC for North America). Use the provided power cord or a suitable replacement.
- **Moisture:** Keep the amplifier away from water, moisture, and high humidity. Do not operate it with wet hands.
- **Foreign Objects:** Do not insert any objects into the amplifier's openings.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to open or repair the amplifier yourself.
- **Placement:** Place the amplifier on a stable, level surface away from direct sunlight, heat sources, and strong electromagnetic fields.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items listed below are present and in good condition.

- 1 × Nobsound 6P1 Vacuum Tube Power Amplifier
- 1 × Power Cord
- Set of Vacuum Tubes (pre-installed or separately packaged)

PACKING LIST

1×Finished Tube Amplifier

1×Power Cord

Net Weight: 5.7kg/12.56lb

Package Weight: 7.0Kg/15.43lb



Figure 3.1: Contents of the Nobsound 6P1 amplifier package, including the amplifier unit and power cord.

4. SETUP

4.1 Unboxing and Initial Inspection

Remove the amplifier and all accessories from the packaging. Inspect the unit for any signs of physical damage that may have occurred during transit. If any damage is found, contact your retailer immediately. Note that a slight chemical smell may be present upon initial unboxing; this is normal for new electronic products and will dissipate over time.

4.2 Tube Installation

If the vacuum tubes are not pre-installed, carefully insert them into their respective sockets. It is recommended to wear clean gloves (e.g., cotton gloves) when handling tubes to avoid leaving fingerprints, which can affect tube lifespan. Each tube has a keyway on its base that aligns with a notch in the socket. Gently push the tube straight down until it is firmly seated. Do not force the tubes.



Figure 4.1: Underside view of the amplifier, illustrating the arrangement of tube sockets for proper tube installation.

4.3 Connections

Before connecting any cables, ensure the amplifier is turned off and unplugged from the power outlet.

- **Input (IN):** Connect your audio source (e.g., CD player, DAC, pre-amplifier) to the "IN" RCA jacks on the rear panel. Ensure left (L) and right (R) channels are correctly matched.
- **Output (OUT):** Connect your passive speakers to the "OUT" speaker terminals. The amplifier supports 8Ω impedance speakers. Connect the positive (+) terminal of the amplifier to the positive (+) terminal of your speaker, and the

negative (-) terminal of the amplifier to the negative (-) terminal of your speaker. Ensure secure connections to prevent short circuits.

- **Power:** Once all audio connections are made, connect the power cord to the amplifier's AC inlet and then to a suitable wall outlet.



Figure 4.2: Rear panel of the amplifier, detailing the RCA input jacks and speaker output terminals for connecting audio sources and speakers.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the amplifier, flip the "POWER" toggle switch on the front panel to the "ON" position. The vacuum tubes will begin to glow, and the VU meters may illuminate. Allow the amplifier to warm up for at least 15-30 minutes for optimal sound performance. This "burn-in" period is crucial for tube amplifiers. To power off, flip the "POWER" switch to the "OFF" position.



Figure 5.1: The amplifier in operation, with its vacuum tubes illuminated, signifying that the unit is powered on and ready for use.

5.2 Volume Control

Adjust the master volume using the large "VOLUME" knob on the front panel. Turn clockwise to increase volume and counter-clockwise to decrease it. The knob has stepped intervals for precise adjustment.

5.3 VU Meters

The two VU (Volume Unit) meters on the front panel provide a visual representation of the audio signal level for the left and right channels. They indicate the average loudness of the audio passing through the amplifier. While primarily aesthetic, they can help monitor signal presence and relative output levels.



Figure 5.2: Close-up of the amplifier's front panel, showing the power switch, VU meters, and volume control knob.

6. MAINTENANCE

6.1 Cleaning

To clean the amplifier, first ensure it is powered off and unplugged. Use a soft, dry, lint-free cloth to wipe down the exterior surfaces. For stubborn marks, a slightly damp cloth can be used, followed immediately by a dry cloth. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish.

6.2 Tube Care and Replacement

Vacuum tubes have a finite lifespan and may require replacement over time. Signs of aging tubes include reduced sound quality, increased noise, or uneven performance. When replacing tubes, ensure the amplifier is completely cool and unplugged. Carefully grasp the tube at its base and gently rock it while pulling upwards to remove it. Insert new tubes following the installation instructions in Section 4.2. Always replace tubes with compatible types to maintain optimal performance.

7. TROUBLESHOOTING

If you encounter any issues with your Nobsound 6P1 amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Power not connected or switched on. Input source not connected or playing. Speaker cables loose or incorrectly connected. Volume knob set to minimum. Faulty tubes.	Check power connection and switch. Verify input source is active and connected. Ensure speaker cables are securely connected to correct terminals. Increase volume. Inspect tubes for proper seating; consider replacing if old or damaged.
Humming or buzzing noise	Ground loop issue. Interference from other electronics. Loose tube connection. Aging or faulty tubes.	Try plugging amplifier into a different outlet or using a ground loop isolator. Move amplifier away from other electronic devices. Reseat all tubes firmly. Consider replacing tubes.
Distorted or weak sound	Input signal too strong or too weak. Improper speaker impedance match. Aging or faulty tubes.	Adjust input source volume. Ensure speakers are 8Ω. Consider replacing tubes.
Unit gets very hot	Normal operation for tube amplifiers. Insufficient ventilation.	This is expected. Ensure proper ventilation as per safety instructions. Ensure amplifier is not in an enclosed space and has clear airflow.

8. SPECIFICATIONS

Feature	Detail
Brand	Nobsound
Model Number	4330977234

Feature	Detail
Output Power	6.8W x 2 (Stereo Class A Single-Ended)
Number of Channels	2
Voltage	110-120 Volts (AC)
Material	Metal
Item Weight	15.25 pounds (approx. 6.92 kg)
Package Dimensions	15.2 x 13.1 x 9.8 inches (approx. 38.6 x 33.3 x 24.9 cm)
Mounting Type	Surface Mount
Specification Met	FCC
Date First Available	July 17, 2017

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries, please refer to the purchase documentation or contact Nobsound customer service directly through their official website or the platform where the product was purchased. Keep your purchase receipt as proof of purchase.

You can visit the Nobsound Store for more information and products: [Nobsound Official Store](#).