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Nobsound NS-10P

Nobsound NS-10P Mini Hi-Fi Vacuum Tube Preamp User Manual

Model: NS-10P

1. Introduction

Thank you for choosing the Nobsound NS-10P Mini Hi-Fi Vacuum Tube Preamp. This compact and versatile preamplifier is designed to enhance your audio experience by adding the warm, rich characteristics of vacuum tubes to your digital sound sources. It features independent treble and bass tone controls, allowing for personalized sound tuning. This manual provides essential information for the safe and optimal use of your device.



Image 1.1: Nobsound NS-10P Mini Vacuum Tube Preamp with glowing tubes, showcasing its compact design and aesthetic appeal.

The NS-10P is engineered to soften the harshness often associated with digital audio, making it ideal for vocal, string, soft music, and classical genres. Its circuit design minimizes background noise, ensuring clear playback even in quiet environments. The unit's compact size makes it suitable for desktop use or portable setups, allowing you to enjoy high-quality audio anywhere.



Image 1.2: The NS-10P Mini Preamp integrated into a home audio setup, demonstrating its versatility with various speakers.

2. Safety Precautions

- This product is a pure preamplifier (front-stage amplifier) and does not have power amplification functionality for driving speakers independently. Always connect it to a power amplifier or headphone amplifier.
- Use only the specified DC 6V 2000mA power adapter (included). Applying different voltages may cause malfunction or damage.
- Vacuum tubes can become hot during operation. Exercise caution when handling and avoid direct contact to prevent burns.
- Place the unit in a well-ventilated area to prevent overheating. Do not cover the unit or block ventilation openings.
- Keep the device away from water, moisture, and direct sunlight.
- Do not attempt to disassemble or modify the unit. This will void the warranty and may lead to electric shock or damage.

3. Package Contents

Please check that all items are present in the package:

- 1x Nobsound NS-10P Mini Vacuum Tube Preamp
- 2x 6J1 Vacuum Tubes (pre-installed or to be installed)
- 1x Power Adapter (DC 6V)



Image 3.1: Contents of the NS-10P package, showing the main unit, two 6J1 vacuum tubes, and the power adapter.

4. Setup Instructions

4.1. Vacuum Tube Installation

If the 6J1 vacuum tubes are not pre-installed, carefully insert them into the tube sockets on the top of the unit. Ensure they are seated firmly and correctly oriented. Avoid forcing them.

Image 4.1: Close-up view of the 6J1 vacuum tubes, which are to be carefully inserted into the preamp sockets.

4.2. Connecting Audio Devices

1. **Input Connection:** Connect your audio source (e.g., smartphone, tablet, PC, CD player, MP3 player) to the "In" 3.5mm AUX input port on the rear panel of the NS-10P.

2. **Output Connection:** Connect your output device (e.g., power amplifier, active speakers, headphone amplifier) to the **"Out"** 3.5mm AUX output port on the rear panel.



Image 4.2: Connection diagram illustrating how to connect various audio sources to the 'In' port and output devices to the 'Out' port of the NS-10P Mini Preamp.



Image 4.3: Rear panel of the NS-10P Mini Preamp, highlighting the 'In' and 'Out' 3.5mm AUX ports and the DC 6V power input.

4.3. Power Connection

Connect the included DC 6V power adapter to the **"DC 6V"** power input port on the rear panel of the NS-10P, then plug the adapter into a power outlet.

5. Operating Instructions

1. **Power On/Off:** Press the red **"Power"** button on the rear panel to turn the unit on or off. The vacuum tubes will glow when powered on.
2. **Volume Control:** Use the large **"Volume"** knob on the front panel to adjust the overall output volume. Turn clockwise to increase, counter-clockwise to decrease.
3. **Treble Adjustment:** Use the **"Treble"** knob to adjust the high-frequency response.
4. **Bass Adjustment:** Use the **"Bass"** knob to adjust the low-frequency response.



Image 5.1: Front panel of the NS-10P Mini Preamp, clearly labeling the Treble, Bass, and Volume control knobs.

Experiment with the Treble and Bass controls to find your preferred sound profile. The vacuum tubes provide a warm and soft sound output, enhancing the immersion when listening to music or watching movies.

6. Maintenance

6.1. Cleaning

Wipe the unit with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as they may damage the finish.

6.2. Vacuum Tube Replacement (Tube Rolling)

The NS-10P allows for vacuum tube replacement to customize the sound. Compatible tubes include 6J1, 6AK5, 6BC5, 403A/B, 5654, EF40, EF95, and CV850. Ensure the unit is powered off and unplugged before replacing tubes. Allow tubes to cool down completely before handling. Carefully pull out the old tubes and insert the new ones, ensuring proper alignment.

Using unofficial or incompatible tubes may void your warranty and could damage the device.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound output	◦ Unit not powered on. ◦ Incorrect audio cable connections. ◦ Volume knob turned down. ◦ Audio source or output device issues.	◦ Press the Power button. ◦ Check and re-secure all audio cables. Ensure input is connected to 'In' and output to 'Out'. ◦ Increase the Volume knob. ◦ Verify audio source and output device are working correctly.
Distorted or poor sound quality	◦ Incorrect tone control settings. ◦ Loose or faulty vacuum tubes. ◦ Incompatible power adapter. ◦ High input signal causing clipping.	◦ Adjust Treble and Bass knobs to a neutral position or to your preference. ◦ Gently re-seat the vacuum tubes. Consider replacing old tubes. ◦ Ensure you are using the original DC 6V 2000mA power adapter. ◦ Lower the volume from your audio source.
Humming or buzzing noise	◦ Ground loop issue. ◦ Interference from other electronic devices. ◦ Microphonic tubes (noise when tubes are touched).	◦ Try plugging the unit and connected devices into the same power strip. ◦ Move the unit away from other electronics. ◦ Ensure cables are not rubbing against the unit or tubes.
Unit gets excessively hot	◦ Poor ventilation. ◦ Prolonged use.	◦ Ensure the unit is in a well-ventilated area and not covered. ◦ It is normal for vacuum tubes to generate heat. If it feels unusually hot, power off and let it cool.

8. Specifications

Feature	Detail
Model Number	NS-10P
Brand	Nobsound
Compatible Devices	Amplifiers, Headphones
Connector Type	AUX (3.5mm)
Power Plug Type	Plug not applicable (uses DC 6V adapter)

Feature	Detail
Package Quantity	1
Vacuum Tube Type	6J1 (standard)
Voltage Amplification	1.5-2.0 times (Class A amplification circuit)
Dimensions (Approx.)	105mm (W) x 69mm (D) x 32mm (H) / 4.13in x 2.72in x 1.26in (excluding tubes)
Net Weight (Approx.)	205g

9. Warranty and Support

Nobsound products are designed for quality and reliability. This product comes with a standard manufacturer's warranty covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Please note that using unofficial or incompatible components (such as non-specified vacuum tubes) may void your warranty.

For technical support, warranty inquiries, or any questions regarding your Nobsound NS-10P Mini Preamp, please contact Nobsound customer service through the retailer where you purchased the product or visit the official Nobsound website for contact information.

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