Nobsound DA7

Nobsound DA7 Tube Power Bluetooth Amplifier User Manual

Model: DA7

1. INTRODUCTION

The Nobsound DA7 Tube Power Bluetooth Amplifier is designed to deliver high-fidelity audio with a classic tube sound. This integrated amplifier features a full tube path, multiple input options including Bluetooth and USB, and dual VU meters for real-time audio visualization. It is suitable for driving passive bookshelf speakers and offers a headphone output for personal listening.

2. WHAT'S IN THE BOX

- DA7 Tube Amplifier ×1
- Power Cord ×1
- Bluetooth Antenna ×1

Figure 1: Contents of the Nobsound DA7 package, including the amplifier unit, power cord, and Bluetooth antenna.

3. PRODUCT OVERVIEW

3.1 Front Panel Controls and Indicators

- **Power Button:** Turns the unit on/off.
- **VU Meters:** Two responsive analog meters visualize output swing in real time.
- **USB Control:** Buttons for previous song, play/pause, and next song when using USB input.
- **Input Selector:** Knob to switch between input sources (CD, AUX, BT, OPT, COAX, USB).
- **Volume Knob:** Adjusts the master volume. Also integrates power on/off (long press) and mode-switching (short press).
- **Headphone Jack (3.5mm):** For connecting headphones.
- **Bass/Treble Knobs:** Adjusts bass and treble gain. Detented at the center for original sound color.

3.2 Rear Panel Connections

Figure 3: Rear panel of the DA7 amplifier, displaying speaker terminals, RCA inputs, optical, coaxial, USB, and power input.

- **CD Input (RCA):** For connecting CD players or other analog sources.
- **AUX Input (RCA):** For connecting auxiliary analog sources.
- **PRE Out (3.5mm):** For connecting an active subwoofer or active speakers.
- **USB Input (USB-A):** Supports U-disk playback (up to 128G, FAT32/ExFAT, MP3/WMA/APE/FLAC/AAC/WAV).
- **Bluetooth Antenna Port:** For attaching the included Bluetooth antenna.
- **Optical Input (OPT):** Digital audio input.
- **Coaxial Input (COA):** Digital audio input.
- **Speaker Outputs (L/R):** Gold-plated copper terminals for connecting 4/8Ω passive speakers (supports spade connectors and bare wires).
- **AC IN (110V):** Power input for the included power cord.

Note: The headphone output and passive speaker outputs cannot operate simultaneously. If both are connected, headphones will take priority.
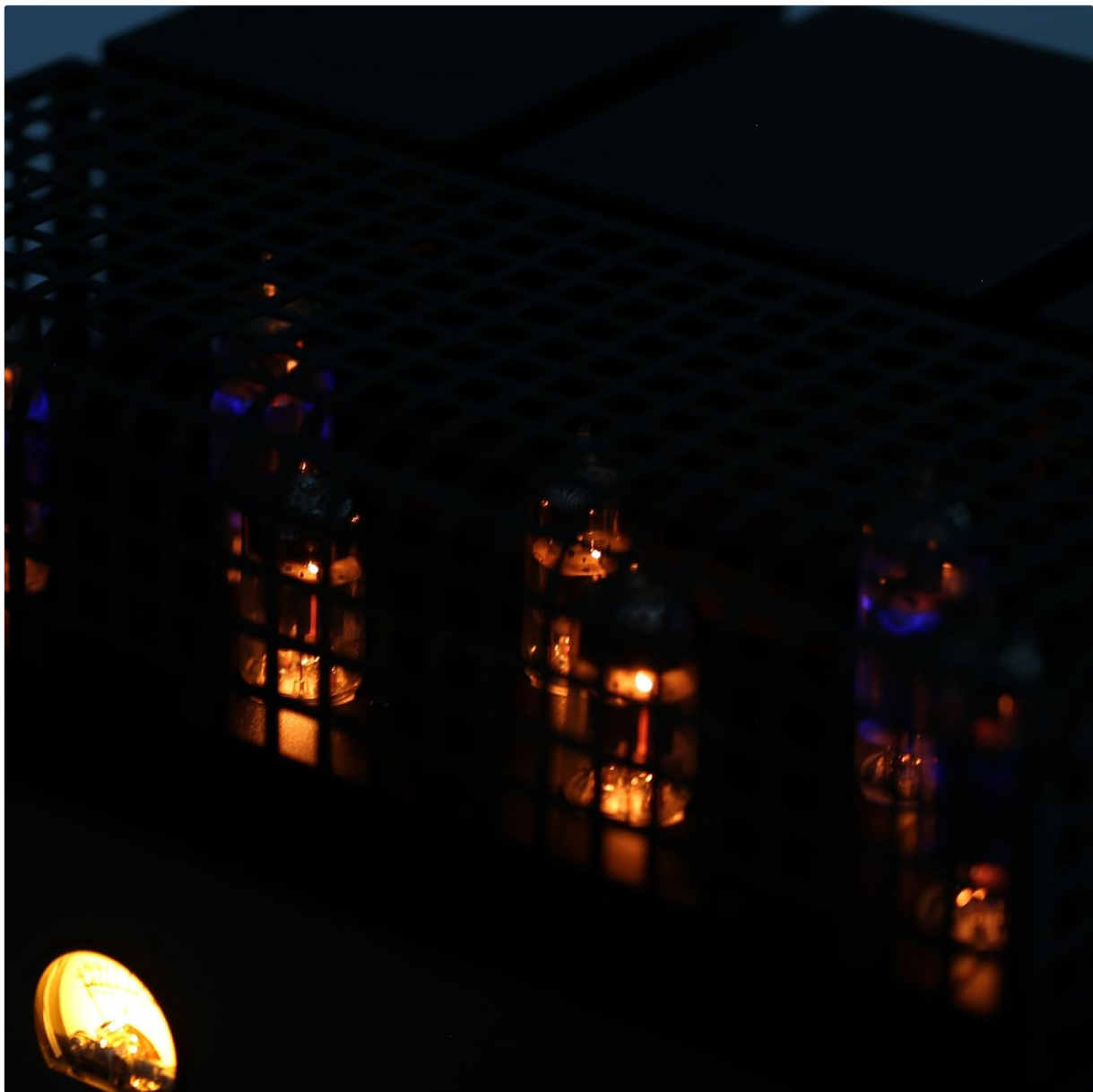
3.3 Tube Information

Figure 4: The 6P1 power tubes and 6N1 driver tubes provide a warm, natural sound.

The DA7 comes equipped with 4×6P1 power tubes and 3×6N1 driver tubes. These tubes are responsible for the amplifier's warm, natural timbre and rich dynamics. The tubes are designed for longevity, but can be replaced if needed. Protective covers are provided to safeguard the tubes and prevent accidental burns.

4. SETUP INSTRUCTIONS

4.1 Connecting Speakers

1. Ensure the amplifier is powered off.
2. Connect your passive speakers to the **Speaker Outputs (L/R)** terminals on the rear panel using appropriate speaker wire or spade connectors. Ensure correct polarity (+ to + and - to -).

4.2 Connecting Audio Sources

1. **Bluetooth:** Attach the Bluetooth antenna to its designated port on the rear panel.
2. **USB:** Insert a USB flash drive into the **USB Input (USB-A)** port.
3. **RCA:** Connect your audio source (e.g., CD player, PC, TV) to the **CD Input (RCA)** or **AUX Input (RCA)** using RCA cables.
4. **Optical/Coaxial:** Connect your digital audio source to the **Optical Input (OPT)** or **Coaxial Input (COA)** using the respective cables.

4.3 Connecting a Subwoofer/Active Speakers

1. Connect an active subwoofer or active speakers to the **PRE Out (3.5mm)** port on the rear panel using a 3.5mm to RCA cable.

4.4 Power Connection

1. Connect the included power cord to the **AC IN (110V)** port on the rear panel and then to a suitable power outlet.

Video 1: Nobsound DA7 Tube Power Bluetooth Amplifier. This video demonstrates the physical features and connectivity options of the DA7 amplifier.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- Long press the **Volume Knob** for approximately 3 seconds to power the amplifier on or off. The tubes will warm up for about 15 seconds after powering on.

5.2 Input Selection

- Short press the **Volume Knob** to cycle through available input sources (CD, AUX, BT, OPT, COAX, USB). The corresponding indicator light on the front panel will illuminate.

5.3 Volume Control

- Rotate the **Volume Knob** clockwise to increase volume and counter-clockwise to decrease volume.

5.4 Tone Control

- Adjust the **Bass Knob** and **Treble Knob** to fine-tune the low and high frequencies according to your preference. The center detent position provides a flat, original sound.

5.5 USB Playback

- When **USB** input is selected, use the **USB Control** buttons to navigate tracks (previous/next) and play/pause playback from a connected USB flash drive.

5.6 Bluetooth Pairing

- Select **BT** input. The Bluetooth indicator will blink, indicating pairing mode.
- On your device (phone, tablet, PC), search for