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Nobsound DZ066_DE

Nobsound Douk Audio P1 HiFi Bluetooth 5.0 Tube Preamplifier USB DAC Headphone Stereo Amplifier User Manual

Model: DZ066_DE

1. Introduction

Thank you for choosing the Nobsound Douk Audio P1 HiFi Bluetooth 5.0 Tube Preamplifier, USB DAC, and Headphone Stereo Amplifier. This device is designed to enhance your audio experience with its versatile features and high-quality sound.

The P1 functions as both a Bluetooth tube preamplifier and a headphone amplifier. Its headphone output delivers 160 mW at 32 Ω, making it suitable for headphones and earphones with impedances ranging from 32 to 300 Ω.

Featuring a classic 6J5 vacuum tube, the P1 provides a warm, retro sound signature. These tubes are replaceable with compatible types such as 6J1, 6J4, GE5654, 6AK5, or 6X1N-EB, allowing for sound customization.

Connectivity options include Bluetooth, USB, and RCA inputs, supporting a wide array of devices like iPods, phones, MP3 players, TVs, Blu-ray players, Echo Dot, CD players, and computers. Bluetooth 5.0 ensures lossless APT-X and APT-X LL transmission, while the USB PC input supports high-resolution 24-bit 192 KHz audio, compatible with Windows, Mac, and Linux operating systems.

The unit also includes treble and bass controls for sound adjustment, and a Bypass function to disable these controls for a pure, uncolored audio experience.

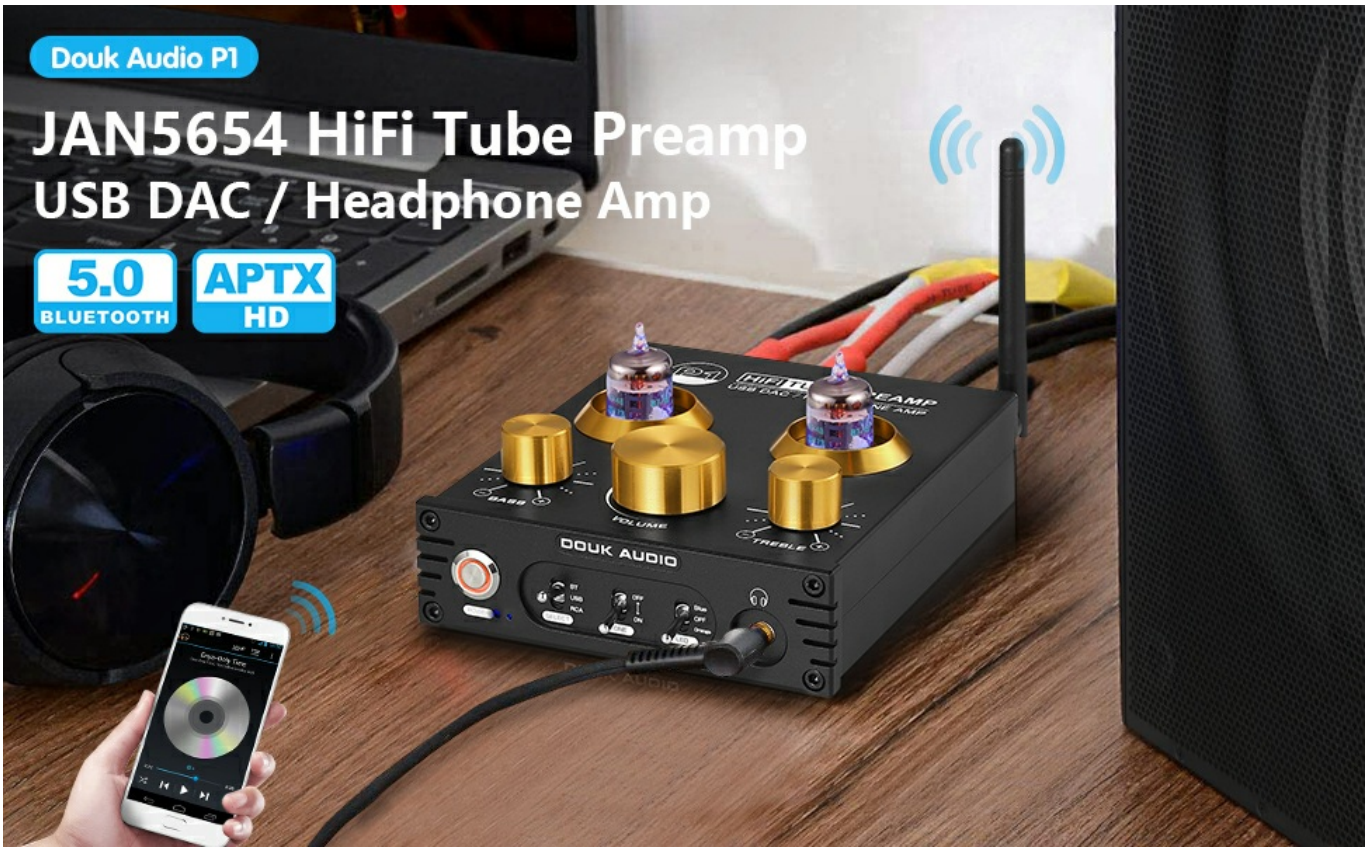

Figure 1: Nobsound Douk Audio P1 connected to a laptop and speaker, showcasing its compact design and tube aesthetics.

2. Setup Instructions

Follow these steps to set up your Nobsound Douk Audio P1.

2.1 Package Contents

- Douk Audio P1 Unit
- Power Adapter (DC 12V)
- USB Cable
- Bluetooth Antenna
- 6J5 Vacuum Tubes (pre-installed or separate)



Figure 2: Rear panel connections of the Douk Audio P1, including PC-USB, Bluetooth antenna port, RCA inputs, RCA outputs, and DC 12V power input.



Figure 3: Comprehensive diagram illustrating the front panel controls and rear panel connections of the Douk Audio P1, with labels for each component.

2.2 Initial Setup

1. **Install Tubes:** Gently insert the 6J5 vacuum tubes into their sockets on the top of the unit. Ensure they are seated firmly.
2. **Connect Bluetooth Antenna:** Screw the provided Bluetooth antenna into the 'BT' port on the rear panel.
3. **Power Connection:** Connect the DC 12V power adapter to the 'DC 12V' input on the rear panel, then plug the adapter into a power outlet.
4. **Output Connection:**
    - For speakers: Connect your active speakers or power amplifier (connected to passive speakers) to the 'OUTPUT' RCA ports on the rear panel using RCA cables.
    - For headphones: Plug your headphones into the 3.5mm headphone jack on the front panel. Note: This port does not support headphones with microphones (TRRS port).
5. **Input Connection:** Select your desired input method:
    - **Bluetooth:** Ensure the 'SELECT' switch on the front panel is set to 'BT'. Pair your device (phone, tablet, etc.) with "Douk Audio P1".
    - **USB:** Connect your computer to the 'PC-USB' port on the rear panel using the provided USB cable. Set the 'SELECT' switch to 'USB'.
    - **RCA:** Connect your audio source (CD player, TV, etc.) to the 'INPUT' RCA ports on the rear panel. Set the 'SELECT' switch to 'RCA'.

3. Operating Instructions

This section details how to operate your Douk Audio P1.

3.1 Front Panel Controls



Figure 4: Front panel controls of the Douk Audio P1, including power, input selection, tone control, LED settings, volume, bass, and treble.

- **Power Switch:** Press to turn the unit ON/OFF. The blue indicator light will illuminate when powered on.
- **Input Mode Switch (SELECT):** Toggle between BT (Bluetooth), USB, and RCA inputs.
- **Tone Switch (TONE):**
  - **ON:** Activates the Bass and Treble control knobs.
  - **OFF:** Bypasses the tone control circuit for a pure audio signal. The Bass and Treble knobs will be inactive.
- **LED Light Color Select/Off (LED):** Toggle to select between Blue LED, Orange LED, or turn the LED lights OFF.
- **Bass Knob:** Adjusts the low-frequency response when the Tone switch is ON.
- **Main Volume Knob:** Controls the overall output volume.
- **Treble Knob:** Adjusts the high-frequency response when the Tone switch is ON.
- **3.5mm Headphone Output:** Connect your headphones here.

3.2 Bluetooth Pairing

1. Set the 'SELECT' switch to 'BT'. The Bluetooth indicator light will flash.
2. On your mobile device, search for Bluetooth devices and select "Douk Audio P1" to pair.

3. Once paired, the Bluetooth indicator light will remain solid.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your P1 amplifier.

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid using liquid cleaners or solvents.
- **Tube Replacement:** The 6J5 vacuum tubes have a finite lifespan. If you notice a degradation in sound quality or tube failure, they can be replaced.
    - Ensure the unit is powered off and unplugged before attempting to replace tubes.
    - Gently pull the old tubes straight up from their sockets.
    - Carefully align the pins of the new tubes (e.g., 6J1, 6J4, GE5654, 6AK5, 6X1N-EB) with the socket holes and push them straight down until seated firmly.
- **Ventilation:** Ensure the unit has adequate ventilation to prevent overheating. Do not block the ventilation holes.



Figure 5: Close-up view of the JAN5725 vacuum tubes, which are replaceable with compatible types.

5. Troubleshooting

If you encounter issues with your P1, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output.	• Unit not powered on. • Incorrect input selected. • Volume knob too low. • Output cables not connected properly. • Faulty tubes.	• Ensure the power switch is ON. • Select the correct input (BT, USB, RCA) using the 'SELECT' switch. • Increase the 'VOLUME' knob. • Check all output cable connections. • Consider replacing the vacuum tubes.
Bluetooth pairing failure.	• Incorrect input mode. • Device too far from the amplifier. • Antenna not connected.	• Ensure 'SELECT' switch is set to 'BT'. • Move your Bluetooth device closer to the P1. • Ensure the Bluetooth antenna is securely attached.
Distorted or poor sound quality.	• Tone control settings. • Loose tube connection. • Source audio quality. • Faulty cables.	• Try setting the 'TONE' switch to 'OFF' (Bypass mode). • Gently reseat the vacuum tubes. • Test with a different audio source or higher quality files. • Replace audio cables if suspected faulty.
Bass/Treble knobs have no effect.	'TONE' switch is set to 'OFF'.	Set the 'TONE' switch to 'ON' to activate the Bass and Treble controls.

6. Specifications

Feature	Detail
Brand	Nobsound
Model	DZ066_DE
Item Model Number	DZ066_DE
Package Dimensions	34.1 x 25 x 11.7 cm
Item Weight	770 g
Headphone Output Power	160 mW @ 32 Ω
Headphone Impedance Range	32 - 300 Ω
Vacuum Tube Type	6J5 (replaceable with 6J1, 6J4, GE5654, 6AK5, 6X1N-EB)
Inputs	Bluetooth 5.0 (APTX, APTX LL), USB (24-bit 192 KHz), RCA
USB Compatibility	Windows, Mac, Linux

Feature	Detail
Tone Control	Bass, Treble (with Bypass function)
Power Supply	DC 12V
Batteries Required	No

7. Warranty and Support

Nobsound & Douk Audio is committed to providing high-quality audio equipment.

- **Return Policy:** This product is subject to a 14-day refund/replacement return policy. Please refer to your retailer's specific return terms for details.
- **Customer Support:** For any questions, technical assistance, or support needs, please contact Nobsound customer service. Our goal is to make Hi-Fi accessible to everyone, and we are here to help.
- **Online Resources:** Visit the official Nobsound or Douk Audio website for additional product information, FAQs, and support resources.

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