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Douk Audio T8 PRO

Douk Audio T8 PRO HiFi 7-Band EQ Preamplifier User Manual

Model: T8 PRO | Brand: Douk Audio

1. INTRODUCTION

The Douk Audio T8 PRO is a versatile HiFi 7-band EQ preamplifier designed to enhance your audio experience. It features a 7-band equalizer for precise frequency control, a real balanced XLR preamplifier, and a warm tube sound thanks to its classic 6H1N-BN vacuum tubes. This manual provides detailed instructions for setting up, operating, and maintaining your T8 PRO to ensure optimal performance and longevity.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the device.

- **Power Source:** Use only the specified power adapter (DC 12V) provided with the unit. Ensure the voltage matches your local power supply.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose this apparatus to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Unplug the unit from the power outlet before cleaning.
- **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Tube Handling:** Vacuum tubes can become hot during operation. Exercise caution when handling or replacing tubes. Allow the unit to cool down before attempting tube replacement.

3. PACKAGE CONTENTS

Verify that all items are present in the package.

PACKING LIST



**Net Weight
685g/1.51lb**

**Package Weight
1.1kg/2.43lb**



2*6H1N-BN Vacuum Tube

1*DC 12V Power Adapter

Figure 3.1: Contents of the Douk Audio T8 PRO package, showing the main unit, two 6H1N-BN vacuum tubes, and a DC 12V power adapter.

- 1x Douk Audio T8 PRO Preamplifier Unit
- 2x 6H1N-BN Vacuum Tubes
- 1x DC 12V Power Adapter

4. PRODUCT OVERVIEW

The Douk Audio T8 PRO features a robust design with intuitive controls for optimal audio customization.

4.1 Front Panel Controls

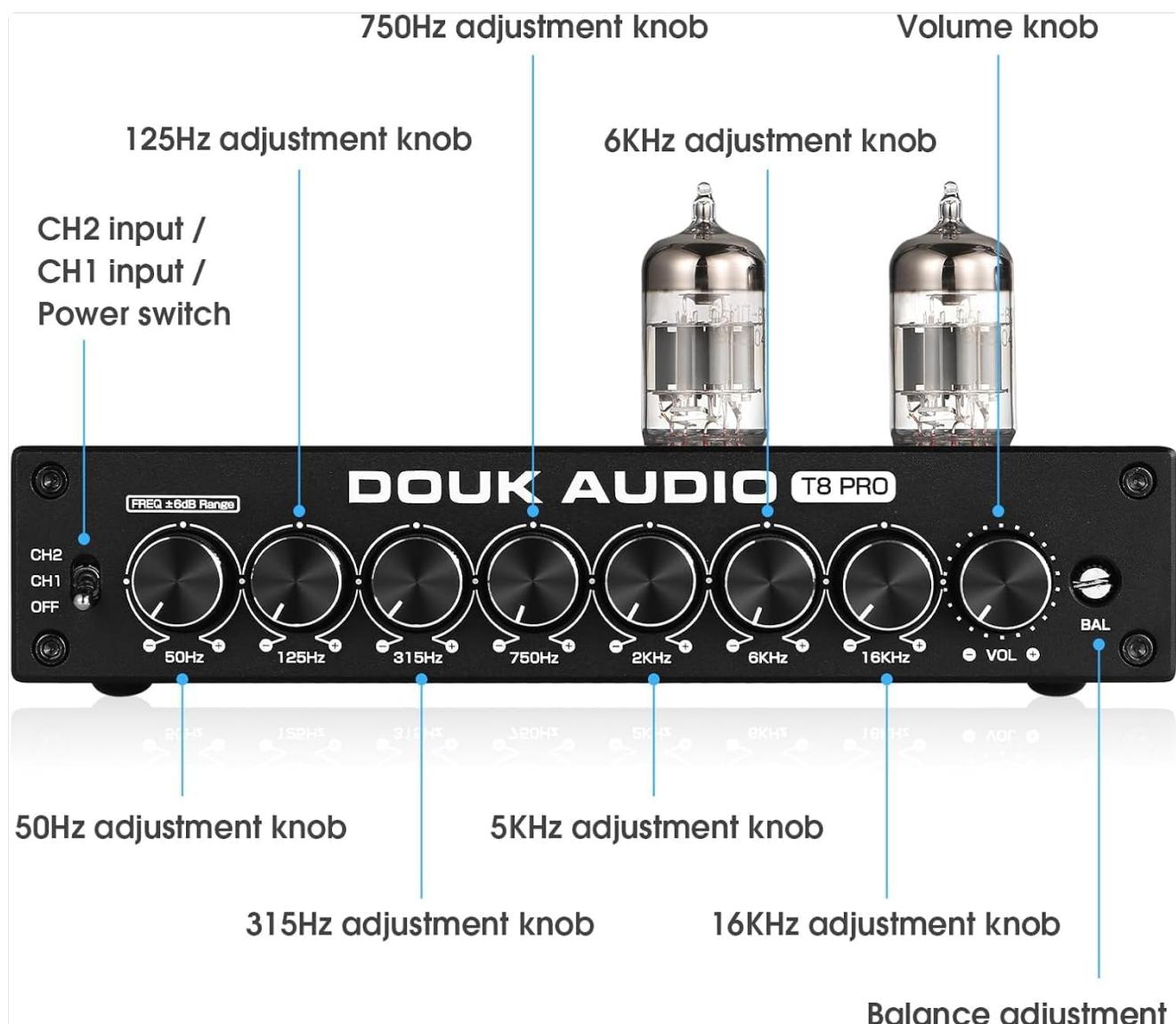


Figure 4.1: Front panel of the Douk Audio T8 PRO, illustrating the various adjustment knobs and input selection switch.

Table 4.1: Front Panel Controls Description

Control	Function
CH2 / CH1 / OFF Switch	Selects between Channel 1 (XLR/RCA Input) or Channel 2 (RCA Input) or powers off the unit.
50Hz Adjustment Knob	Adjusts the gain for the 50Hz frequency band.
125Hz Adjustment Knob	Adjusts the gain for the 125Hz frequency band.
315Hz Adjustment Knob	Adjusts the gain for the 315Hz frequency band.
750Hz Adjustment Knob	Adjusts the gain for the 750Hz frequency band.
2kHz Adjustment Knob	Adjusts the gain for the 2kHz frequency band.

Control	Function
6kHz Adjustment Knob	Adjusts the gain for the 6kHz frequency band.
16kHz Adjustment Knob	Adjusts the gain for the 16kHz frequency band.
Volume Knob	Controls the overall output volume.
BAL (Balance) Knob	Adjusts the balance between the left and right audio channels.

4.2 Rear Panel Connections



Figure 4.2: Rear panel of the Douk Audio T8 PRO, showing the input and output ports.

Table 4.2: Rear Panel Connections Description

Port	Description

Port	Description
CH1 Input (XLR)	Balanced XLR input for connecting audio sources.
CH2 Input (RCA)	Unbalanced RCA input for connecting audio sources.
Output (XLR)	Balanced XLR output for connecting to amplifiers or active speakers.
Output (RCA)	Unbalanced RCA output for connecting to amplifiers or active speakers.
DC 12V IN	Power input for the DC 12V power adapter.

5. SETUP

Follow these steps to set up your Douk Audio T8 PRO.

5.1 Tube Installation

1. Carefully unpack the two 6H1N-BN vacuum tubes from their protective packaging.
2. Align the pins of each tube with the corresponding holes on the tube sockets located on the top of the T8 PRO unit.
3. Gently push each tube straight down into its socket until it is firmly seated. Do not force the tubes.

HiFi warm & sweet tube sound

Adopts classic pluggable Soviet Union 6H1N-BN tube to improve everything detail associated with your music, sounds warm and delicate, full and mellow, dynamic and melodious. Pluggable socket design for tube rolling and sound-shaping, easy to pick from and alter the sound signature to one's preference.

Default 6H1N-BN tubes,
can be changed to the following models:
12AU7 / ECC85 / 6SN7GT / 6N1 / 6AQ8...



Figure 5.1: Close-up view of the vacuum tubes installed on the Douk Audio T8 PRO, highlighting the warm glow during operation.

5.2 Audio Connections

The T8 PRO supports both balanced XLR and unbalanced RCA inputs and outputs.



Figure 5.2: Diagram illustrating various audio connection possibilities for the Douk Audio T8 PRO, including XLR and RCA inputs and outputs.

1. Connect Audio Source:

- For balanced connection, connect your audio source (e.g., CD player, DAC) to the *CH1 Input (XLR)* ports on the rear panel.
- For unbalanced connection, connect your audio source to the *CH2 Input (RCA)* ports on the rear panel.

2. Connect to Amplifier/Speakers:

- Connect the *Output (XLR)* ports to your amplifier or active speakers for balanced output.
- Alternatively, connect the *Output (RCA)* ports to your amplifier or active speakers for unbalanced output.

3. Power Connection:

Connect the provided DC 12V power adapter to the *DC 12V IN* port on the rear panel, then plug the adapter into a wall outlet.

Real balanced XLR preamp

Support XLR and RCA inputs and outputs, T8 can reproduce high-quality audio for amplifier or active speaker with excellent separation, resolution, sound field, clean background. Also with a balance control to compensate for the left and right channel of all outputs and prevent the sound field positioning from deviating from the center position.



Figure 5.3: The Douk Audio T8 PRO connected to a pair of speakers, demonstrating its role as a balanced XLR preamplifier in an audio setup.

6. OPERATING INSTRUCTIONS

Once connected, you can begin operating your T8 PRO.

- Power On:** Turn the CH2/CH1/OFF switch on the front panel to either CH1 (for XLR input) or CH2 (for RCA input) to power on the unit. The vacuum tubes will begin to glow.
- Volume Adjustment:** Use the *Volume Knob* to set your desired listening level. Start with a low volume and gradually increase it.
- Balance Adjustment:** Use the *BAL (Balance) Knob* to fine-tune the left and right channel balance. This helps compensate for any imbalances in your audio setup or listening environment.
- Equalizer Adjustment:**

The T8 PRO features 7 frequency bands for precise audio shaping:

- **50Hz:** Controls the very low bass frequencies.
- **125Hz:** Controls the mid-bass frequencies.

- **315Hz:** Controls the lower midrange frequencies.
- **750Hz:** Controls the central midrange frequencies.
- **2kHz:** Controls the upper midrange frequencies.
- **6kHz:** Controls the lower treble frequencies.
- **16kHz:** Controls the very high treble frequencies.

Adjust each frequency knob to boost or cut the corresponding frequency band to tailor the sound to your preference or to correct room acoustics. The neutral position for each knob is the center detent.

5. **Tube Sound Characteristics:** The 6H1N-BN tubes provide a warm, delicate, full, and mellow sound signature. Experiment with the EQ settings to complement the tube characteristics.

7. TUBE ROLLING (OPTIONAL)

The T8 PRO features a pluggable socket design, allowing users to experiment with different compatible vacuum tubes to alter the sound signature.

The default tubes are 6H1N-BN. Compatible tube models include: 12AU7, ECC85, 6SN7GT, 6N1, or 6AQ8.

Note: Ensure the unit is powered off and unplugged, and tubes have cooled down before attempting to replace them. Handle tubes carefully by their base to avoid damage.

8. MAINTENANCE

Proper maintenance ensures the longevity and performance of your T8 PRO.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the ventilation holes are free from dust and obstructions.
- **Storage:** If storing the unit for an extended period, unplug it from the power source and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Tube Life:** Vacuum tubes have a finite lifespan. If you notice a degradation in sound quality or tube failure, consider replacing them with new compatible tubes.

9. TROUBLESHOOTING

If you encounter issues with your T8 PRO, refer to the following common problems and solutions.

Table 9.1: Troubleshooting Guide

Problem	Possible Cause	Solution
No power / Unit does not turn on.	Power adapter not connected or faulty; Power outlet not working; Power switch in OFF position.	Ensure power adapter is securely connected to the unit and a working outlet. Check the CH2/CH1/OFF switch is set to CH1 or CH2.
No sound output.	Incorrect input/output connections; Volume knob too low; Incorrect input selected; Faulty cables.	Verify all audio cables are correctly connected. Increase the Volume knob. Ensure the CH2/CH1/OFF switch is set to the correct input (CH1 for XLR, CH2 for RCA). Try different cables.

Problem	Possible Cause	Solution
Distorted or poor sound quality.	Input signal too strong; EQ settings are extreme; Faulty tubes; Loose tube connection.	Reduce the input volume from your source device. Reset EQ knobs to center position. Gently reseat the vacuum tubes. Consider replacing tubes if they are old or damaged.
Humming or buzzing noise.	Ground loop issue; Interference from other electronics; Faulty cables.	Ensure all components are properly grounded. Try moving the unit away from other electronic devices. Use shielded audio cables.
One channel is silent or quieter.	Balance knob off-center; Loose cable connection; Faulty cable or tube.	Adjust the BAL knob to the center. Check connections for both left and right channels. Swap cables or tubes (if applicable) to isolate the issue.

If the problem persists after trying these solutions, please contact Douk Audio customer support for further assistance.

10. SPECIFICATIONS

Technical specifications for the Douk Audio T8 PRO.

Table 10.1: Product Specifications

Feature	Detail
Brand	Douk Audio
Model Name	T8 PRO
Color	Black
Material	Metal (Aluminum alloy chassis, electrolytic iron plate)
Power Output	1 Watt (as a preamplifier, this refers to minimal power consumption or signal gain capability)
Product Dimensions (D x W x H)	12.8 cm x 18.6 cm x 3.8 cm (5.04in x 7.32in x 1.50in)
Number of Bands (EQ)	7 (50Hz, 125Hz, 315Hz, 750Hz, 2kHz, 6kHz, 16kHz)
Power Source	DC Power (12V)
Output Channels	2 (Stereo)
Input/Output Interfaces	Balanced XLR, Unbalanced RCA
Default Vacuum Tubes	6H1N-BN
Compatible Vacuum Tubes	12AU7, ECC85, 6SN7GT, 6N1, 6AQ8 (with adapters if necessary)

11. WARRANTY AND SUPPORT

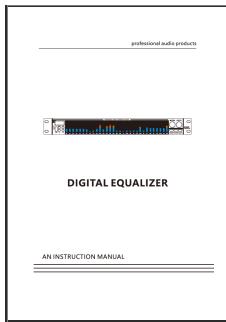
Douk Audio products are designed for reliability and performance. For warranty information and technical support, please refer to the official Douk Audio website or contact your retailer.

[Visit Douk Audio Official Website](#)

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Related Documents - T8 PRO

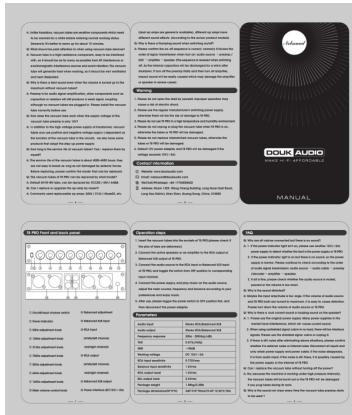
	<p>Douk Audio T8PRO 7-Band EQ Tube Preamp Equalizer User Manual</p> <p>User manual for the Douk Audio T8PRO, a 7-band EQ tube preamp equalizer featuring XLR balanced inputs/outputs. Details features, technical specifications, operation, safety, and troubleshooting.</p>
	<p>Nobsound EQ9 HiFi Stereo EQ Preamp User Manual and Specifications</p> <p>User manual and technical specifications for the Nobsound EQ9 HiFi Stereo EQ Preamp, detailing features, operation, troubleshooting, and parameters.</p>
	<p>Fosi Audio ZP3 Preamplifier User Manual</p> <p>Comprehensive user manual for the Fosi Audio ZP3 balanced HiFi preamplifier, detailing its features, operation, specifications, and troubleshooting. Learn how to connect, use, and maintain your ZP3.</p>
	<p>Hama PA-506 Stereo Phono Preamplifier - User Manual</p> <p>Operating instructions for the Hama PA-506 Stereo Phono Preamplifier, detailing its features, setup, safety guidelines, and technical specifications for connecting turntables to audio systems.</p>
	<p>Akai PEQ6 Programmable Equalizer Operator's Manual</p> <p>This operator's manual provides detailed information on the Akai PEQ6 Programmable Equalizer, covering its features, front and rear panel controls, connection diagrams, operation modes, programming, equalizing functions, data copying, and technical specifications for professional audio use.</p>



[XGeS EQ31 Digital Equalizer: Instruction Manual](#)

Comprehensive instruction manual for the XGeS EQ31 Digital Equalizer, detailing its features, front and rear panel functions, system connection diagrams, and technical specifications for professional audio applications.

Documents - Douk Audio – T8 PRO



[Douk Audio T8PRO 7-Band EQ Tube Preamp Equalizer User Manual](#)

User manual for the Douk Audio T8PRO, a 7-band EQ tube preamp equalizer featuring XLR balanced inputs/outputs. Details features, technical specifications, operation, safety, and troubleshooting.

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