

- A: Unlike transistors, vacuum tubes are sensitive components which need to be warmed for a while before entering normal working status. Generally it's better to warm up for about 15 minutes.
- Q: What should be paid attention to when using vacuum tube devices?
- A: Vacuum tube is a high-resistance component, easy to be interfered with, so it should be as far away as possible from RF interference or electromagnetic interference sources and avoid vibration; The vacuum tube will generate heat when working, so it should be well ventilated and heat dissipated.
- Q: Why is there a faint sound even when the volume is turned up to the maximum without vacuum tubes?
- A: Preamp is for audio signal amplification, other components such as capacitors or resistors will still produce a weak signal coupling although no vacuum tubes are plugged in. Please install the vacuum tube correctly before use.
- Q: How does the vacuum tube work when the supply voltage of the vacuum tube preamp is only 12V?
- A: In addition to the high-voltage power supply of transformer, vacuum tubes also use positive and negative voltage supply (dependent on the function of the vacuum tube in the circuit), we also have some products that adopt the step-up power supply.
- Q: How long is the service life of vacuum tubes? Can I replace them by myself?
- A: The service life of the vacuum tubes is about 4000-4500 hours, they are not easy to break as long as not damaged by external forces. Before replacing, please confirm the model that can be replaced.
- Q: The vacuum tubes of T8 PRO can be replaced by what model?
- A: Default 6H1N-BN tube, can be replaced by: ECC85 / 6N1 / 6AQ8.
- Q: Can I replace or upgrade the op-amp by myself?
- A: Commonly used replaceable op amps: 2604 / 2134 / Muse02, etc.

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- (dual op amps are generally available), different op amps have different sound effects. (According to the actual product models).
- Q: Why is there a thumping sound when switching on/off?
- A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turn on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching off. As the internal capacitors will be discharged for a while after shutdown. If turn off the preamp firstly and then turn off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases).

Warning

1. Please do not open the shell by yourself, improper operation may cause a risk of electric shock.
2. Please use the regular manufacturer's switching power supply, otherwise there will be the risk of damage to T8 PRO.
3. Please do not use T8 PRO in a high temperature and humidity environment.
4. Please do not unplug or plug the vacuum tube when T8 PRO is on, otherwise the tubes or T8 PRO will be damaged.
5. Please do not replace mismatched vacuum tubes, otherwise the tubes or T8 PRO will be damaged.
6. Default 12V power adapter, and T8 PRO will be damaged if the voltage exceeds 12V($\geq 2A$).

Contact information

- 🌐 Website: www.doukaudio.com
- ✉ Email: nobsound@doukaudio.com
- 📞 WeChat/Whatsapp: +86-17704028602
- 📍 Address: Room 1329, Wang Cheng Building, Long Guan East Road, Long Hua District, Shen Zhen, Guang Dong, China, 518000

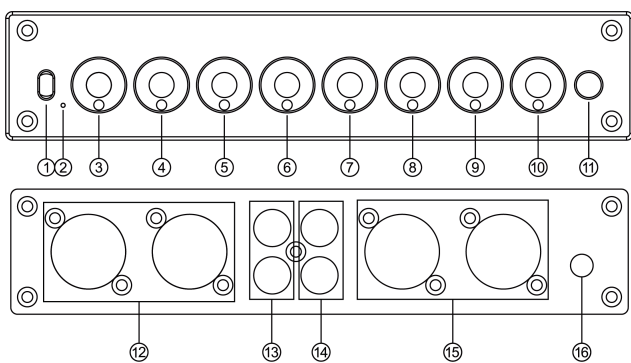
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Nobsound

DOUK AUDIO
MAKE HI-FI AFFORDABLE

MANUAL

T8 PRO Front and back panel



- ① On/off/Input channel switch
- ② Power indicator
- ③ 50Hz adjustment knob
- ④ 125Hz adjustment knob
- ⑤ 315Hz adjustment knob
- ⑥ 750Hz adjustment knob
- ⑦ 2KHz adjustment knob
- ⑧ 6KHz adjustment knob
- ⑨ 16KHz adjustment knob
- ⑩ Main volume control knob
- ⑪ Balanced adjustment
- ⑫ Balanced XLR input
- ⑬ RCA input
- (white/left channel, red/right channel)
- ⑭ RCA output
- (white/left channel, red/right channel)
- ⑮ Balanced XLR output
- ⑯ Power interface (DC12V/ $\geq 2A$)

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Operation steps

1. Insert the vacuum tubes into the sockets of T8 PRO.(please check if the pins of tube are deformed.)
2. Connect the active speakers or an amplifier to the RCA output or Balanced XLR output of T8 PRO.
3. Connect the audio source to the RCA input or Balanced XLR input of T8 PRO, and toggle the switch from OFF position to corresponding input channel.
4. Connect the power supply, and play music on the audio source, adjust the main volume, frequency and balance according to your preferences and enjoy music.
5. After use, please toggle the power switch to OFF position first, and then disconnect the power adapter.

Parameters

Audio input	Stereo RCA/Balanced XLR
Audio output	Stereo RCA/Balanced XLR
Frequency response	20Hz~20KHz($\pm 1dB$)
THD	0.01%(1KHz)
SNR	$\geq 98dB$
Working voltage	DC 12V/ $\geq 2A$
RCA Input sensitivity	0.775Vrms
Balance input sensitivity	1.5Vrms
RCA output Level	1.2Vrms
BAL output Level	2.4Vrms
Package weight	1.08kg/2.38lb
Package dimensions(W*H*D)	240*310*70mm/9.45*12.20*2.76in

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FAQ

- Q: Why are all cables connected but there is no sound?
- A: 1. If the power indicator light isn't on, please use another 12V($\geq 2A$) power supply to detect whether the fault is the power supply or T8 PRO.
2. If the power indicator light is on but there is no sound, so the power supply is normal. Please continue to check according to the order of audio signal transmission: audio source → audio cable → preamp /decoder → amplifier → speaker.
3. If all is fine, please check whether the audio source is muted, paused or the volume is too small.
- Q: Why is the sound distorted?
- A: Maybe the input amplitude is too large. If the volume of audio source and T8 PRO both are turned to maximum, it is easy to cause distortion. Please turn down the volume of audio source or T8 PRO.
- Q: Why is there a loud current sound or buzzing sound on the speaker?
- A: 1. Please use the original power supply. Many power supplies in the market have interference, which will cause current sound.
2. When using unshielded signal cable in no load, there will be interface signals. Please use the shielded signal cable or unplug it.
3. If there is still noise after eliminating above situations, please confirm whether it is external noise or internal noise. Disconnect all inputs and only retain power supply and power cable. If the noise disappears, it is from audio input; if the noise is still there, it is possibly caused by the power supply or the internal of T8 PRO.
- Q: Can I replace the vacuum tube without turning off the power?
- A: No, because the machine is working under high pressure internally, the vacuum tubes will be burnt out or the T8 PRO will be damaged if you plug tubes during its work.
- Q: Why is the sound not clear every time the vacuum tube preamp starts to be used ?

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