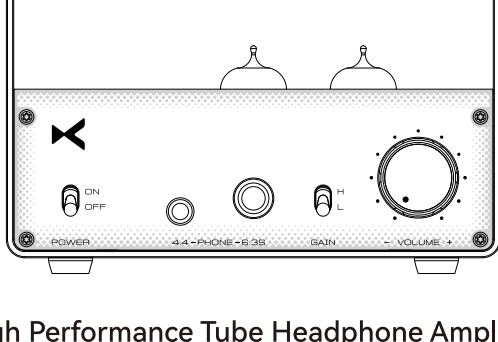


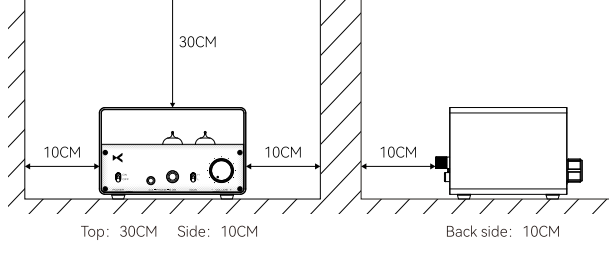


High Performance Tube Headphone Amplifier

Please read this manual carefully before use and keep it properly for future reference

Safety Instructions

1. The amp should not be subject to water droplets or water splashes, the machine should not be placed with such as vases a class or filled with liquid items.
2. The amp is working, the tube will be very hot, please do not touch with hands directly.
3. Do not disassemble the machine for repairing or modifying, this product does not have the parts or tools for the user to repair on their own, the maintenance of the machine requires qualified personnel to operate. Opening the shell or modifying the internal circuit will make the maintenance difficult, but also the performance or quality of the machine could be affected.
4. Please place the unit in a well-ventilated, cool and dry, clean place, away from direct sunlight, heat, vibration, dusty, damp or cold place. In order to be well ventilated, the machine should leave at least the following distance between the wall.



Operation Notes

1. **Turn on the power**
Before turning it on, please check again whether connections are correct and specifications of adapter are correct.
2. **Using mobile phone**
Using mobile phone near the amp may cause noise when playback. If this happens, move mobile phone away from the amp.
3. **Move the machine**
Please disconnect the power adapter and cables before moving the machine.

Product Introduction

MT-02 is a compact desktop vacuum tube headphone power amplifier. Its preamplifier stage uses dual 6J1 vacuum tubes to process audio signals, providing a delicate and smooth sound. The output stage uses high-quality transistors for current amplification, easily driving various low-impedance headphones and significantly improving soundstage and dynamic performance. It is equipped with high-fidelity ELNA audio capacitors for coupling, delivering a transparent and sweet tone.

Featuring a tube-transistor hybrid design, the amplifier combines the warm sweetness of tube amplifiers and the quick response of solid-state amplifiers, perfectly integrating the advantages and charm of both.

Product Features

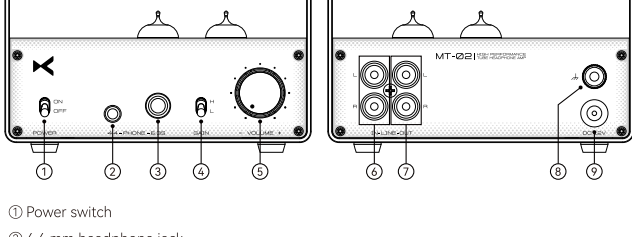
1. Adopts dual 6J1 vacuum tubes for audio signal processing.
2. Uses high-quality transistors for the current amplification circuit.
3. Equipped with high-end ELNA audio capacitors for coupling.
4. Equipped with high-end Rubycon capacitors for filtering.
5. Built-in output relay protection to eliminate switch noise and protect headphones.
6. High-transparency acrylic front and rear panels for viewing internal components.
7. High-strength aluminum alloy chassis with excellent electromagnetic shielding.

Parameters

Power Supply: DC 12V/2A
Output Power: 1500 mW (32Ω load)
Frequency Response: 10 Hz~60 kHz (±0.5 dB)
Gain: +12 / 18 dB
THD+N: ≤0.1% (1 kHz, 32Ω load)
S/N: 118 dB
Crosstalk: ≥73 dB

Size: 13.6 × 11.0 × 8.1 cm
Weight: 0.61 kg

Parts and Controls



- ① Power switch
- ② 4.4 mm headphone jack
- ③ 6.35 mm headphone jack
- ④ Low and High gain adjustment
- ⑤ Volume knob: adjusts headphone out and LINE OUT.
- ⑥ LINE IN
- ⑦ LINE OUT: processed by the tube and controlled by the volume button.
- ⑧ Ground Terminal: If static interference or noise occurs, connect the ground terminal to the power ground using a grounding wire.
- ⑨ DC IN: DC 12 V / 2 A

Quick Start

1. Use an RCA audio cable to connect the LINE OUT/AUX OUT of your CD player or decoder to the LINE IN input on this unit.
2. Turn down the volume of the MT-02 first, then power on the unit. The power indicator and ambient light will turn on. Wait until the power indicator (bottom right of the power switch) changes from dim to bright – the warm-up is complete. You may then connect your headphones.
3. Play music and adjust the volume to a comfortable level to enjoy your listening experience.

Package List

1. MT-02	1pc
2. Power Adapter	1pc
3. AC Cable	1pc
4. 6.35 to 3.5mm Converter	1pc
5. User Manual	1pc
6. Warranty Card	1pc

Troubleshooting

If you encounter problems while using this product, please refer to the troubleshooting list below. If the problem persists, contact your local dealer or our customer service. DO NOT disassemble the device by yourself!

Will not power on

→Please check if the power adapter indicator is on and if the DC plug is securely connected to the unit.

No sound

→Please check if the connection to the playback device is correct.

→Please check if the player connected to the unit has started playing music.

Usage and Maintenance Precautions

1. Do not place the unit in direct sunlight or near heat-generating equipment.
2. Do not place the unit in high-temperature, dusty environments. Do not place any water-containing objects on top of the unit.
3. Do not clean the unit with chemical solvents, as this may damage the surface finish. Use a soft dry cloth.
4. Turn off the power if the unit will not be used for a long time.
5. Do not remove the cover by yourself. In case of malfunction, please send the unit to your local dealer for repair.

Warranty Information

Our product is provided with a **12-month free warranty service** starting from the date of sale. If the product is used beyond the 12-month warranty period from the date of sale, we will charge a reasonable cost for parts based on the actual fault condition of the product.

Company Name: xDuoo Technology Co.,LTD

Company website: www.xduoo.net

After-sales hotline: +86 0755-29799189

After-sales address: Room F1510, MingYue HuaDu Building, GongHe Industrial Road,

XiXiang Town, Bao'an District, ShenZhen, China