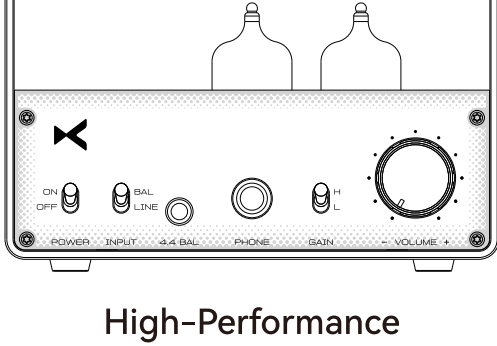


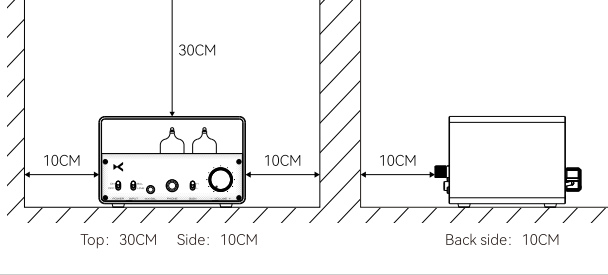


High-Performance Balanced Tube Headphone Amplifier

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

The MT-04 is a compact desktop balanced tube headphone amplifier. Its preamplifier stage adopts two 6H3N double-triode tubes to process audio signals for delicate, mellow sound. The post-stage uses high-quality transistors for current amplification, effortlessly driving various low-impedance headphones while greatly improving soundstage and dynamic performance. ELNA audiophile-grade capacitors are used for signal coupling to deliver crisp, sweet tones. Featuring a tube-preamp and solid-state power stage design, it combines the warm, lush timbre of tube amplifiers and the fast transient response of solid-state amplifiers, integrating the strengths and characteristics of both amplifier types perfectly.

Product Features

- ◆ Abundant input & output ports with single-ended and balanced I/O;
- ◆ Fully balanced input/output design greatly upgrades channel separation, resolution, soundstage and background quietness;
- ◆ Equipped with two 6H3N double-triode vacuum tubes for audio signal processing;
- ◆ Current expansion circuit built with transistors;
- ◆ Audiophile-grade ELNA capacitors deployed for signal coupling;
- ◆ Audiophile-grade Rubycon capacitors adopted for power supply filtering;
- ◆ External two-level gain adjustment, compatible with full-impedance headphones;
- ◆ Built-in output relay protection eliminates pop noise during power on/off and safeguards headphones under abnormal working conditions;
- ◆ High-transmittance acrylic front and rear panels for clear viewing of internal components, exposing premium audio configurations directly;
- ◆ High-strength aluminum alloy chassis delivers outstanding electromagnetic shielding performance.

Main Specifications

Power Supply: DC12V/2A

Input Ports: RCA Analog Input, XLR Balanced Input, 4.4mm Balanced Input

Output Ports: 4.4mm Balanced Headphone Jack, 6.35mm Unbalanced Headphone Jack

Frequency Response: 10Hz~60kHz(±0.5dB)

Gain: +12/18dB

Unbalanced Headphone Output Specs:

Output Power: 1800mW @ 32Ω Load
Frequency Response: 10 Hz~60 kHz (±0.5 dB)
Crosstalk: 76dB
SNR (A-weighted): 118dB
THD: <0.1% @ -60dB

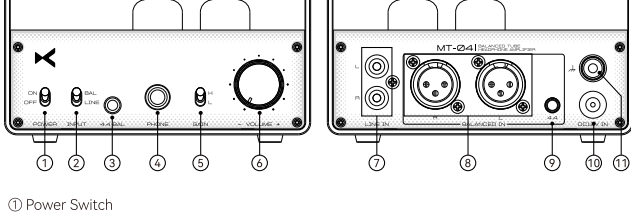
Dimensions: 13.6 × 11.0 × 8.1 cm

Net Weight: 0.61Kg

Balanced Headphone Output Specs:

Output Power: 2200mW @ 32Ω Load
Frequency Response: 10 Hz~60 kHz (±0.5 dB)
Crosstalk: 85dB
SNR (A-weighted): 125dB
THD: <0.08% @ -62dB

Operation Instructions



- ① Power Switch
- ② Input Selector
- ③ 4.4mm Balanced Headphone Jack
- ④ 6.35mm Unbalanced Headphone Jack
- ⑤ Gain Switch
- ⑥ Volume Knob
- ⑦ LINE IN: Analog Stereo Input
- ⑧ XLR Balanced Input
- ⑨ 4.4mm Balanced Input
- ⑩ DC Power Input: DC12V/2A, 5521 barrel connector
- ⑪ Ground Terminal: Connect this terminal to mains ground with an earth wire if static interference or audible noise occurs.

Quick Start

1. Use audio cables to connect the **LINE OUT or BAL OUT** port of your CD player or DAC to the **LINE IN or BALANCED IN** port of this unit.
2. Toggle the "INPUT" switch on MT-04 to LINE or BAL to match the rear-panel input connection.
3. Turn the volume of MT-04 down to minimum first, then power on the device. The power indicator and ambient light will light up. **Preheating is finished** when the power indicator (bottom-right of power switch) brightens up, then you may plug in your headphones.
4. Start music playback and adjust the volume to a comfortable level to enjoy premium sound quality.

Package List

MT-04	*1
Power Adapter	*1
Power Cord	*1
6.35 to 3.5mm Converter	*1
User Manual	*1
Warranty Card	*1

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