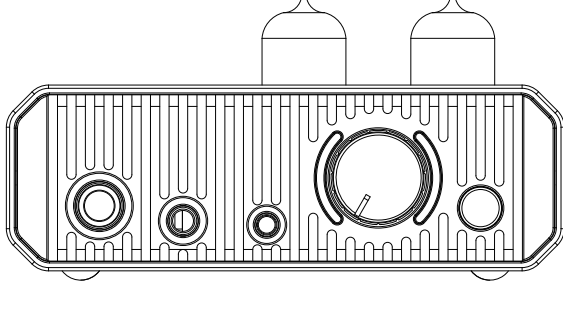


USB DAC & Tube Headphone Amplifier



About Us

For more product information, please visit our

[Http://www.xduoo.com](http://www.xduoo.com)

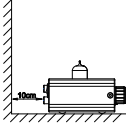
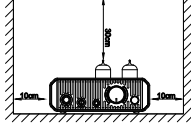
Or scan us directly to enter the official website



Before operating this machine, please read this manual carefully and keep it in a safe place for future reference.

Safety Instructions:

1. Please do not sprinkle water on this unit, please do not place vases or items filled with liquid on the machine.
2. The amp is working, the tube will be very hot, please do not touch with hands directly.
3. Please do not open the machine for maintenance or modification by yourself. Opening the machine and arbitrarily modifying the internal circuit will make it difficult for maintenance personnel to repair the machine, and will affect the performance or quality of the machine.
4. Please place this unit in a well-ventilated place, avoid direct sunlight, and the machine should leave at least the following clearances:



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.

Operation Notes:

If you run into any problems using this unit, use the following checklist and read the Troubleshooting. If you run into any problems using this unit, use the following checklist and read the product support information on user's manual. Should any problem persist, consult your nearest xduoo dealer or consult us.

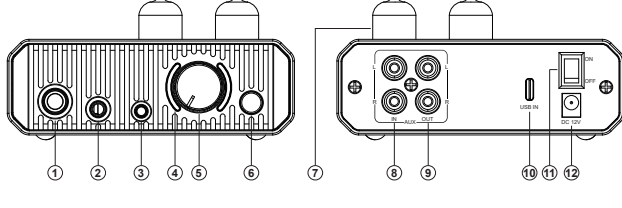
Product introduction:

The MH-02 is a USB DAC & tube headphone amplifier, it's USB audio decoder support up to PCM 32bit / 384kHz and DSD256, DAC chip adopts the high-spec CS43131, which can output cleaner and higher-quality analog signals. It's pre-amp is used dual 6J1 tubes to process audio for the audio giving exquisite and tender sound, and the post-amp is adopted transistors for class A buffer, with strong load capacity, it can easily drive many kind headphones. With a AUX output, which through tube processing, and can be controlled by the volume button. You can connect to active speakers, making your speakers more flavorful. The power supply adopts 12V DC input. After professional power processing, not only the amplifier can exert its maximum performance, but also the weight of the machine is greatly reduced, and the volume of the machine is also reduced, making it more lightweight and portable.

Product Paramters:

Power Supply: DC12V/2A
Compliant OS: Windows, Linux, Mac OS X, IOS, Android system
Sampling Rate Support: PCM 16-32Bit/44.1k-384kHz, DSD64-256.
Output power: 1300mW(32Ωload)
Frequency Response: 10Hz-60KHz(±0.5dB)
Gain: +12/18dB
THD+N: ≤0.8% (1KHz, 32Ωload)
S/N: 113dB
Crosstalk: ≥70dB
Size: 12x10x6.4cm
Weight: 0.42Kg

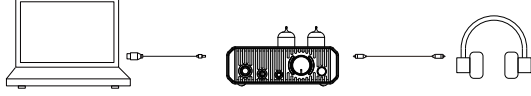
Parts and Controls:



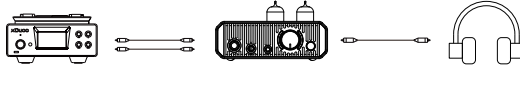
1. 6.35mm headphone jack
2. 4.4mm headphone jack
3. 3.5mm headphone jack
4. USB indicator: it is on only when USB is connected, and decoding different sampling rates shows the following colors:
Blue: 44.1k-48kHz
Purple: 88.2k-384kHz
White: DSD64-DSD256
5. Volume knob, adjust headphone out and AUX OUT
6. Low and High gain adjustment
7. 6J1 Tubes
8. AUX IN
9. AUX OUT, processed by the tube and controlled by the volume button
10. USB IN, automatically disconnect the AUX IN when connecting USB
11. Power switch
12. DC IN, DC12V/2A

Connecting to the Audio Device:

1. Use the USB OTG cable to connect to USB audio out of an Windows/ MAC PC, or IOS/ Android phone, pad or HiFi player, connect headphone, then playing music, and enjoy it.



2. Use RCA audio cable to connect with player or CD which with AUX/Line output, playing music, connect headphone and enjoy it.



Package List:

MH02	1PCS
Type-C USB Cable	1PCS
Power Adapter	1PCS
AC Cable	1PCS
User Manual	1PCS
Warranty Card	1PCS

Warranty Information:

Our products can enjoy 12-month free warranty services from the date of the sale, if the warranty period is expired, our company will charge parts cost depend on the product fault conditions. Accessories are not covered under warranty.

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