

XD05T USFR MANUAL





- can easily drive most IEM and headphones on the market can easily drive into a term and readynioms of the transfer.

 Precision digital volume chips are used to solve the problem of unbalanced left and right channels of traditional potentiometers at low volumes. 11,
- **Parameters**
- Unbalanced Output Parameters: Balanced Output Parameters:
 - Peak Voltage: 26Vp-p (TURBO) Peak Voltage: 15Vp-p (TURBO)
 - Frequency Response: 20Hz~20kHz (±0.5dB) Frequency Response: 20Hz~20kHz (±0.5dB) Crosstalk: ≥75 dB Crosstalk: ≥105 dB THD+N: 0.5% THD+N: 0.5%
 - SNR: ≥114dB SNR: ≥116dB

Output level: 4.0V

THD+N: 0.00065%

Crosstalk: ≥100dB

SNR: ≥124dB

Applicable OS: windows, Linux, Mac OS, IOS, Android sy Battery: 3.7V/6000mAh

Output level: 2 0V

THD+N: 0.00065%

Crosstalk: ≥100dB

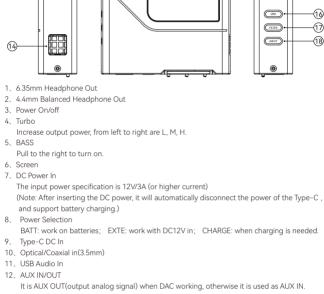
SNR: ≥120dB

Charging Time: about 4 hours (fast charging) | 10 hours (slow charging) 16.8x7.8x2.3cm Weight: 0.4kg

Battery Life: USB IN, SPDIF IN≥4H | AUX IN≥4.5H (ECO Mode)

D)((C

XD051



Slow Roll-Off Low Dispersion FIR9(DSD filter, automatically select when playing DSD) 18. Input Selection Short press to select input source, long press to lock/unlock all the buttons

song. 17、Filter Button

Pairing&play (bluetooth) button

or microphone function.)

Turn on the power of this unit 4. Play music with the connected audio device

3、

Apple

and enjoy it.

headphone and enjoy it

Install USB Driver

using HIFI player

Charging the Unit

excessive battery discharge

Aluminum Nameplate

Type-C USB Cable

5、Rubber Feet

dealer or consult us. The unit does not turn on

4.

or higher current) adapter.

to be installed.(No need if your system is MAC.)

1、Connect headphone to this unit. (*Note: The XD05T only supports dual or balanced channel headphone, does not support the mono headphone or with remote control function

FIR1

1)70

Connect audio device with this unit. For details, see "Connecting to the Audio Device".

Pressing INPUT to the screen display USB IN, use the USB cable to connect to an

enjoy it. (Need to set this unit as an audio output device on the computer)

windows/Linux system computer, connect headphone, playing music on computer and

0 0

3. Pressing INPUT to the screen display COAXIAL/OPTICAL, use Coaxial/Optical cable to connect with player or CD which with Coaxial /Optical audio output, playing music, conne

0 0

- 10mm to provide sufficient heat dissipation space for this unit Connecting to the Audio Device
- 0 0
- 6. Pressing INPUT to the screen display Bluetooth, connect Bluetooth to phone or computer, playing music, connect headphone and enjoy it.))**)**
- About 4 Hours for full charging. 5 、 Can be charged when the device in working, but it will take more time. Advice you charge it

7. If you planning not to use the XD05T for long time, charge it every half year to avoid

1. When this unit is connected to the computer which is windows system, the driver is required

2、you can downloaded the Driver from the official website, link: (https://www.xduoo.net/firm ware-download/), choose XDUOO USB Drive, guiding is inside the package 3. When using the device to play a high resolution audio files on the computer, we recommend

USB A to Type-C Converter 1pc Type-C to Type-C cable 8. 1pc 9、6.5 to 3.5 Converter 1pc

1pc

1pc

10pcs

DC power in must be 12V/3A (or higher current)

- →Please check the Power Selection Switch if set to the Charge position →Please check the charger specifications is right.
- →Please check whether this unit is setting correct input. →When connected to a computer, there is no sound or sound is not played back properly, check the device
- arge the ba of the ightarrowPlease check the Power Selection Switch if set to the BATT position →When battery life reduces to half, the battery is approaching the end of its service life. Consult your nearest xDuoo dealer for replacement. Can't be charged

- For more product information,please visit our Http://www.xduoo.com Or scan us directly to enter the offical website Introduction
 - XJUSI Is a portable high-ridelity DAC & Tube balanced headphone amplifier, which integrates USB, coaxial, optical, Bluetooth decoding and tube amplifier. USB supports up to PCM 32Bit/768KHz, MQA and DSD512; coaxial, optical supports up to 24 Bit/192kHz and DSD64; Bluetooth supports APTX, APTX, LL, APTX, HD, LDAC and other high-definition formats, so that make wireless audio become HIFI. The DAC chip uses two high-specification ES9039Q2M chips, which have extremely low noise and higher resolution, which greatly improves the quality of sound. It used precision digital volume chips, and used two micro tubes to amplify the audio to make the sound sweet and delicate, let you won't get tired after listening for a long time. It's control to the production of the control of the production of output power up to 1500mW per channel, can easily drive most IEM and headphones on the In terms of adjustable settings, in addition to driving power, bass, filter adjustment, etc., the

XD05T is a portable high-fidelity DAC & Tube balanced headphone amplifier, which

- power supply can be selected from DC power or battery-powered mode. The battery mode can be easily carried when going out. External DC power can be used indoors to turn it into a desk mode to enhance power and dynamic output, bringing a powerful listening experience, suitable for high-end people who pursue portable/desk integration. **Features**
 - With OLED display, real-time display of product working information. Rich input and output interfaces meet most usage scenarios. The USB receiving chip adopts XMOSS XU316, working in asynchronous transmission mode, supports up to PCM32 Bit/768 kHz, MQA and DSD512. Support decoding USB audio of IOS, Android phone or Pad. Coaxial/optical supports up to PCM 24Bit/192kHz, DSD64 (DOP). Bluetooth chip uses Qualcomm's chip, supports Bluetooth 5.1, supports APTX, APTX_LL, APTX_HD, LDAC formats. With OLED display, real-time display of product working information
- 6.
- 8.
- Using dual active low-phase noise crystal oscillators, data shaping processing through FPGA Using dual active low-phase noise crystal oscillators, data snaping processing through EPGA achieves a unified clock and reduces jitter.

 The DAC chip uses two ESS'ES9039Q2M, with better decoding performance, extremely low noise and higher resolution, which greatly improves the sense of sound.

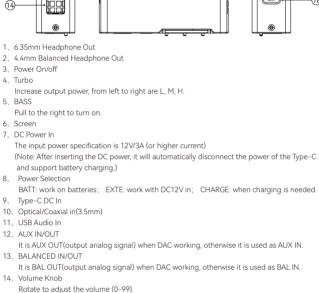
 Two micro tubes are used to amplify the audio to make the sound sweet and delicate, and you won't get tired after listening for a long time.

 The output BUF circuit uses a rail-to-rail, low distortion, high current chip, it is powerful and can easily drive most IEM and headphopes on the market. 9.
- right channels of traditional potentiometers at low volumes.

 2. Built-in multiple low-noise power supply circuits are provided to each digital chip and analog chip respectively to ensure that there is no mutual interference between the power supplies and bring a very quiet music background.

 13. External Turbo and Bass to adapt to different headphones.

 14. With external power in and power selector, it can switch to the desktop mode with switch in the room, which brings a more powerful and flexible listening experience. , witch to the desktop mode with switch in
- Output Power: 750mW (32Ω, THD+N<5%) 83mW (300Ω, THD+N<5%) Output Power: 1500mW (32Ω, THD+N<5%) 565mW (300Ω, THD+N<5%) Output Impedance: <0.2Ω Output Impedance: <0.2Ω
- AUX OUT Parameters: BAL-LO Parameters:
 - - **Parts and Controls**



b. Short press to Play/pause; double press to play next song, three press to play previous

FIR1=Minimum Phase, FIR2=Linear Phase Apodizing Fast Roll-Off, FIR3=Linear Phase Fast Roll-Off, FIR4=Linear Phase Fast Roll-Off Low Ripple, FIR5=Linear Phase Slow Roll-Off, FIR6=Minimum Phase Fast Roll-Off, FIR7=Minimum Phase Slow Roll-Off, FIR8= Minimum Phase

> Sampling Rate 44.1K

- **Display Information**
- How to Use

15. Microphone, when Bluetooth input, can be used for voice calls.

FIR1-8 (PCM filters, can only be set when playing PCM songs)

a. long press for 3 seconds to force into pairing state

- Adjust the volume to your comfort value, and start enjoying music 6. Set the Turbo or Bass according to your headphone Note: When stacked with other devices, the gap between the two needs to be separated by
- 2. Pressing INPUT to the screen display USB IN, use the USB OTG cable to connect to USB audio out of an IOS/ Android phone, pad or HiFi player, connect headphone, then playing music,
- 4. Pressing INPUT to the screen display AUX, use audio cable to connect with player or DAC's which with Line out/aux out, playing music, connect headphone and enjoy it. **(29)** 0 0

5. Pressing INPUT to the screen display Balance, use audio cable to connect with player or DAC's which with BAL output, playing music, connect headphone and enjoy it.

- . Set the Power Selector switch to the CHARGE position before charging 2 、Charger specifications: mobile phone fast charger, or an adapter with output 12V/2A (or more current). 3 . The red light is on when charging, and will off when fully charged. after turning it off 6 . After fully charged, the power selection switch needs to be turned back to the BATT position in order to turn on the device
- **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
- →The battery is fully charged. →Check that the unit and the audio device are connected correctly.
- Company Name: xDuoo Technology Co.,LTD Company website: www.xduoo.net After-sales hotline: +86 0755-29799189
- →Check that the connected device is turn on ightarrowTurn up the volume of connected device or the unit

Package List 1. XD05T 1pc Warranty Card 1рс 3. User Manual 1pc

Note: It can work while charging, but the power input must meet the following requirements: The Type-C power in must be 5V/3A or fast charging (supporting PD protocol, 12V/1.5A

- setting of you computer are correct. **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.
- After-sales address: Room 1510, Building F, Mingyue Huadu, Xixiang Street, Baoan District, Shenzhen City