

### Product Introduction:

XP-2 Pro is a portable high-end decoding headphone amplifier that integrates USB, Bluetooth, and Line input; the output power is 300mW per channel, and the USB IN supports PCM32bit / 384kHz, DSD256, DXD 32bit / 384 kHz; The Bluetooth chip adopts Qualcomm's CSR8675, support Bluetooth 5.0, support LDAC, aptX HD and other high-definition audio encoding format transmission, add a built-in custom high-sensitivity audio microphone, support Bluetooth voice calls, equipped with Qualcomm's new generation of CVC voice drop Noise technology, the call is clearer, let you chat easily.

### Product Features:

- It has USB decoding function, which uses high performance chip XMOS XU208, works in asynchronous mode and supports up to PCM 384kHz/32bit, DXD 384kHz/32bit and DSD256;
- Using USB OTG cable connection, support for Android/iOS phones' or music players' USB audio decoding, support up to 32bit/384kHz PCM and DSD256 signal;
- It adopts Qualcomm's CSR8675, support Bluetooth 5.0
- Support: SBC, AAC, APTX, APTX\_LL, APTX\_HD, LDAC high-definition audio decoding formats;
- It uses high performance DAC chip AK4452;
- It uses OP+BUF circuit framework with high drive ability;
- Dual-level gain adjustment is equipped externally, which is suitable for headphones with different resistances;
- The housing is made of high strength aluminum alloy.

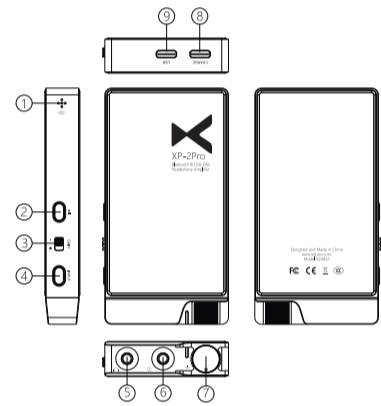
### Product Parameter:

Bluetooth Version: 5.0  
Support Bluetooth Formats: SBC, AAC, APTX, APTX\_LL, APTX\_HD, LDAC  
USB Compliant OS: Windows 7/8/10, Mac OS X, IOS, Android system  
USB Sampling Rate: PCM 16-32bit/44.1k-384kHz, DSD64-256  
Bluetooth Sampling Rate: 16-32bit/44.1k-96kHz  
Frequency Response: USB/Bluetooth: 20Hz-20kHz  
AUX IN: 10Hz-100kHz

Gain: +3/-9dB  
THD+N: 0.001% (1kHz)  
Output Power: 300mW @32Ω  
S/N: 115dB  
Crosstalk: 75dB  
Battery: 3.7V/1800mAh  
Battery Life: AUX IN ≥22H Bluetooth input: ≥15H USB IN: ≥8H  
Charge time: <3H  
Size: 105\*55\*16mm  
Weight: 142g

### Operation Description:

- Microphone: only supports phone call mode
- Bluetooth Pairing/Play Button: Short press to play/pause music, Long press 3 seconds to forcibly enter the Bluetooth pairing state.
- Gain Switch: Adjust to suit different impedance headphones
- Input Selection Button: Press to select Bluetooth (blue light)/USB (red light)/AUX in (green light)
- Headphone out
- AUX IN/OUT: It is AUX OUT when is USB in or Bluetooth in
- Volume Knob (with On/Off function): Rotate the knob to turn on and

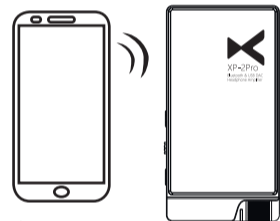


slowly rotating the knob clockwise increases the sound.  
8.Charging Port - Charging power supply specification is above 5V/1A (both 2A and 3A are OK).  
9.USB audio Input Interface: It can connect with mobile phone, computer and other audio device by USB wire for decoding.  
10.Indicator light:  
When Bluetooth in, in pairing mode, the blue light flashes slowly, and after a successful pairing, it is steady on. The Bluetooth format indicator is SBC—blue, AAC—cyan, aptX/aptX LL/aptX HD—purple, LDAC—white.  
When USB in, the red light is on. The sampling rate indication is 44.1K/48K—red, 88.2K/96K—cyan, 176.4K-384K—purple, DSD64-256—white;

In AUX mode, the green light is on;  
When the power is less than 20%, the orange light is always on  
In charging mode (turn off the unit), the red light is always on and the green light is full.

### Using Example:

1. Bluetooth Connection  
Turn on this unit and select to Bluetooth in. Search and connected by your mobile phone/computer, playing music. Insert the headphone to the phone port and adjust the sound volume to suitable position, so you can enjoy the wonderful music.

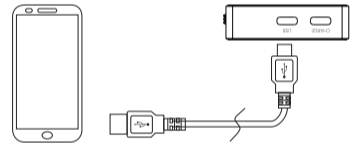


- \*Precautions for Bluetooth:
- The product will enter the matching mode automatically at first turning on. Search this device (Bluetooth name is XP-2 pro) for connection;
  - After turning on, the device will be connected with the last connected Bluetooth device;
  - If it is necessary to connect with another Bluetooth, you can press pairing button to disconnect the original device forcibly.
2. Connect With Computer USB For Decoding  
Turn on this unit and select to USB in, connect to PC's USB port by USB cable. After connecting the computer successfully, the speaker icon of the computer will light up. Then set the audio's output device

as this unit on computer, play the music. Insert the headphone to the phone port and adjust the sound volume to suitable position, so you can enjoy the wonderful music.



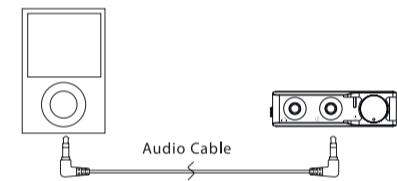
3. Connect With Cell phone For Audio Decoding  
Turn on this unit and select to USB in, connect to phone's USB port by USB OTG cable. (for Android phone, use USB OTG wire, while for Apple phone, use lightning OTG cable). After the connection is successful, the headphone icon will be displayed in the upper right corner of your phone, then the phone reminds you to set the device as default device and click OK. Play the music in phone, insert the headphone to the phone port and adjust the sound volume to suitable position so you can enjoy the wonderful music.



- \*Note: \*Note: 1) when connecting to a cell phone, if the connection is successful, the headphone icon will be showed in the upper right corner of cell phone. If the connection is not successful, please check whether the USB OTG option of the mobile phone is turned on;  
2) Because some Android phones don't support OTG output, you

can attempt to download HiFi Music APP from APP store. If HiFi Music player output is successful, you can use it; if not, it indicates that this phone doesn't support USB output function.

- For first connection, please adjust the sound volume of phone to Max. level.
- AUX IN Connection  
Turn on this unit and select to AUX IN. Connect the player that having Line out by 3.5-3.5 audio cable. Then play music, insert the headphone into PHONE port, adjust the sound volume to suitable position, so you can enjoy the wonderful music.



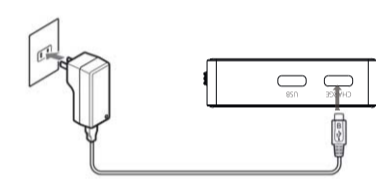
### Installing PC USB Drive:

- It is necessary to install the drive when connecting this unit to computer. (it is not necessary to install drive if is MAC)
- Please download the drive from office website <http://www.xduoo.com>. Select XDUOO USB DRIVER (installation manual is attached in package).

### Charging the unit

- Charger specifications: output voltage 5V, output current ≥1A.
- When charging, the red light is on, will turn green when full charging.
- About 3 Hours for a full charging.
- If use PC USB power to charge, it will take 4 hours.
- Can be charged when the device is working, but it will take more time. Advise you charge it after turning it off.

6. If you planning not to use the XP-2Pro for long time, charge it every half year to avoid excessive battery discharge.



### Troubleshooting:

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.

#### The unit does not turn on.

→Charge the battery of the unit.

→When battery life reduces to half, the battery is approaching the end of its service life. Consult your nearest xDuoO dealer for replacement.

#### The battery cannot be charged.

→Check that the charge switch of unit is turned on.

→Check that the unit and your computer are firmly connected using the USB cable.

→Check that the computer is turned on and not in standby or sleep mode.

→A USB AC adaptor that is not recommended is being used.

→The battery is fully charged.

#### No sound

→Turn up the volume of connected device or the unit.

→Check that the unit and the audio device are connected correctly.

→Check that the connected device is turn on.

→When connected to a computer, there is no sound or sound is not played back properly, check the device setting of your computer are correct.

#### Failed to install USB driver for windows

→Check that the unit is connected to computer.

#### Failed to connect to computer

→Check that the USB driver is successfully installed.

### Warranty Information:

Our products have 12 months from the date of sale, free warranty service. If beyond 12 months of warranty period from date of sale, our company will charge the parts cost according to the product malfunction. Accessories are not covered by warranty.

FCC Warning Statement  
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
- Reorient or relocate the receiving antenna.  
- Increase the separation between the equipment and receiver.  
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
- Consult the dealer or an experienced radio/TV technician for help.  
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**xDuoO Technology Co.,LTD**  
Room F1510, MingYueHuaDu Building, GongHe Industrial Road, Xixiang Town, Bao'an, Shenzhen, China  
phone:+86-0755-29799189  
post code:518000  
Email:service@xduoo.com

XP-2Pro  
快速入门指南  
Manual

## 关于我们(about us)

更多产品信息请关注官方微博  
For more product information, please visit our  
official website: <http://www.xduoo.com>  
或扫描二维码直接进入网站  
Or scan QR directly to enter the official website



## 产品介绍

XP-2Pro集USB-C蓝牙解码、无损音频输入、便携模式耳机模式、耳返输出等功能于一身，USB接口或有线耳机运行Type-C LL，最大支持PCM384K/384kHz，DSD256，DSD128/96/48kHz，蓝牙采用高通高性能蓝牙芯片(CS8375)，支持蓝牙5.3，支持HiFi DAC，apex100等高品质音频编解码，新增前置定制款式固定电容麦克风，支持蓝牙语音通话，搭载高通新一代CVC8降噪黑科技，通话更清晰，让您畅快畅聊。

## 主要特性:

- ◆ USB接收芯片采用XMS3全新的XU208，工作于异步传输模式，PCM最大支持256/384kHz，DSD128/96/48kHz；DSD支持POP、NATURAL模式，最大支持DSD256。
- ◆ 使用USB-C OTG连接，支持苹果手机A3XS设备、安卓系统手机、编解码音频解码器，PCM最大支持256/384kHz，DSD最大支持DSD256。
- ◆ 采用高通高性能CS8375蓝牙芯片，支持蓝牙5.3，支持高通新一代CVC8语音降噪技术。
- ◆ 使用蓝牙耳机连接播放，支持SBC、AAC、apex、aptX LL、aptX HD、LDAC等蓝牙传输模式传输。
- ◆ HiFi级前置定制AK4396芯片，解码性能出色，支持原生DSD、DSD的PCM信号。
- ◆ 采用双声道立体声扬声器，降低抖动。
- ◆ 采用全新OP-AMP电路架构，驱动能力更强。
- ◆ 前置降噪麦克风，通话更清晰流畅稳定。
- ◆ 外壳采用高强度铝合金材料，搭配航空级硬2.5D钢化玻璃。

## 主要参数:

1. 产地: 中国·广东·江门市
2. 适用系统: Win7、Win8、Win10、Mac OS X、IOS、Android系统
3. 输出速率: 最大384K/384 (24位/48K)

4. 频率响应: USB(蓝牙): 20Hz-20KHz (±0.5dB),  
AUX: 10Hz-100kHz (±0.5dB)  
5. USB支持采样率: PCM: 16-256/384/1-384kHz  
DSD: 128/256/512/1024/2048/4096  
DSD: 24-32/36/384/6-384kHz

6. 蓝牙支持采样率: 16-256/384/1-384kHz  
7. 支持蓝牙格式: SBC、AAC、apex、aptX LL、aptX HD、LDAC  
8. 阻抗: <math>32\Omega</math>  
9. 阻抗失真: USB: 0.001%/1kHz  
AUX: <math>0.0009\%/1kHz</math>

10. 信噪比: 115dB

11. 失真度: <math>\leq 75dB</math>

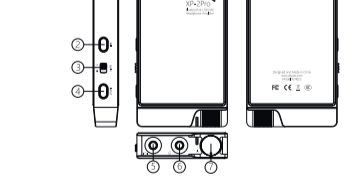
12. 播放时间: USB IN >= 6H | AUX IN > 22H | 蓝牙 > 15H

13. 充电时间: <math>\leq 2.5H</math>

14. 体积: 100\*50\*15.5mm

15. 重量: 14g

## 操作说明



1. 前置麦克风，仅支持蓝牙语音通话模式下使用，不支持手机语音助手对话以及语音助手、QQ语音。
2. 蓝牙兼容模式，仅支持蓝牙音频模式下使用有效，图标为播放/暂停，长按S3为暂停并蓝牙连接并进入蓝牙配对状态。
3. 音量开关，可选+Mute+Gain或+Mute+Gain，以适用不同限制蓝牙耳机。
4. 输入选择按键，蓝牙(蓝灯)、USB(红灯)、AUX(绿灯)之间循环切换。
5. 系统提示，当连接蓝牙或有线耳机时。
6. AUX ON/OFF接口，当设备作为蓝牙AUX解码时，此端口作为AUX ON/OFF功能，否则作为AUX IN功能。
7. 电源开关及音量加减: 触控时打开电源，螺旋旋转加大音量，逆时针旋转减小音量。
8. USB充电灯，可连接PC或充电器进行充电。
9. USB-OTG插孔1，USB-A类“OTG”插口，兼容(苹果/iOS系统手机、iPhone、iPad、Touch、iPad设备，需使用苹果官方原装相机数据线；Android设备，需使用USB-OTG线(兼容Android))。
10. 状态指示灯:

- 蓝牙配对模式下，长按灯侧，配对成功为长亮，蓝牙模式指示为SBC—蓝色长亮，AAC—青色长亮，apex/apX LL/apX HD—紫色长亮，LDAC—白色长亮。
- USB模式下，短灯打，各采样率指示为44.1kHz—红色长亮，48.2kHz—青色长亮，176.4K/192K/352/384/384K—紫色长亮，DSD96+256—白色长亮；AUX模式下，绿灯长亮；
- 充电时短灯200次，橙色灯长亮；
- 关闭充电模式下，短灯常亮，充满亮绿灯。

## 使用示例

1. 蓝牙连接  
打开手机，切换输入模式为蓝牙模式，通过手机/电脑等蓝牙设备连接设备。

2. 与手机USB连接，进行音频解码  
打开手机，切换输入模式为USB模式，用USB线将手机与电脑USB口连接，连接电脑线后在手机右下角小喇叭图标处，调整音量到合适位置，即可聆听美妙音乐。(Windows系统需要安装USB驱动，Mac系统不需要)

3. 与手机USB连接，进行音频解码  
打开手机，切换输入模式为USB模式，使用USB-OTG线将手机与手机USB接口连接，连接成功后，部分手机会自动弹出设备识别界面，然后播放手机音乐，将耳机插入本机PKNSE II，调整音量到合适位置，即可聆听美妙音乐。

4. AUX IN连接  
打开手机，切换输入模式为AUX IN模式，用3.5音频线将具有AUX out接口的播放设备连接，播放设备音乐，将耳机插入本机PKNSE II，调整音量到合适位置，即可聆听美妙音乐。

5. 产品充电  
将充电线插入设备充电口，输出电流大于1A以上。
2. 充电时灯亮，充满电后亮绿灯。
3. 充满电需要时间为2.5小时。
4. 也可以边充电边使用设备进行充电，充满电需要约2小时。
5. 待机状态下可以充电，但充满电需要时间会变长，建议关机充电。
6. 长时间不使用本机时，要每隔半年对电池充一次电，避免电池过度放电。

6. 常见问题排除  
如果您使用本产品过程中遇到故障问题，请参考下面的故障清单进行故障排查。如果您的设备存在与当当地经销商或者我们的客服联系，请勿擅自拆卸产品维修。
1. 当电池的用电量超过一半时，您您的使用时间可能会缩短这时您可以尝试轻轻摇晃并充电试试。
2. 不能充电  
-使用电源USB充电时，请检查USB线是否与电脑/本机连接牢固。  
-使用电源USB充电时，请检查电源是否打开，并检查充电器Sundby 或线状态。
3. 使用USB-C连接播放时，请检查线路是否符合要求。  
-可能电量已经充满，可尝试充电5分钟后再进行充电。  
-设备温度  
-请检查与播放设备是否连接正确。

7. 安装电脑驱动程序  
1. 若本装置连接电脑时，需安装驱动程序 (如果使用MAC，则无需安装驱动程序)；  
2. 到官网下载驱动，链接：<http://www.xduoo.com>，选择Xduoo USB DRIVER(压缩包内附有安装教程)。

- 请检查本机连接的播放设备是否已打开。
- 请检查本机连接的播放设备是否已打开。
- 请检查本机输入选择是否正确。
- 如果连接电脑播放音乐时没有声音或者播放不正确，请检查电脑默认播放设备是否是选择为本机播放。

## 配件清单

主机 .....1台  
3.5-5音频线 .....1条  
用户手册 .....1本  
保修卡 .....1份  
Type-C线 .....1条  
Type-C、OTG线 .....1条

## 保修信息

本产品享有自出厂之日起12个月的免费保修服务，如产品自售出之日起超过12个月的保修期，本公司将视产品故障情况酌情收取零件成本费用，配件不在保修范围内。

\*配件及软件如有变更，恕不另行通知！

## 深圳市又度科技有限公司

ShenZhen xDuoo Technology Company LTD.

地址: 深圳市宝安区西乡街道凤凰社区工业路明月花园A栋1305室

电话: +86-0755-26791189

传真: +86-0755-26791189

邮箱: service@xduoo.com