

**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:**

1.Microphone only supports phone call mode

2.Bluetooth Pairing/Play Button: Short press to play/pause music

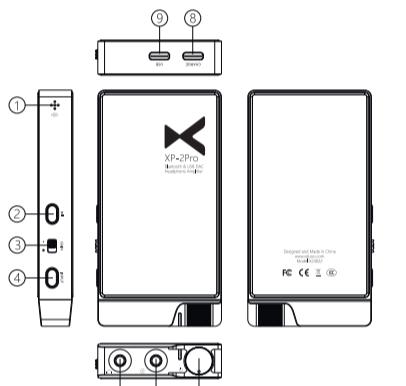
3.Long press 3 seconds to forcibly enter the Bluetooth pairing state;

4.Gain Switch: Adjust to suit different impedance headphones

5.Input Selection Button: Press to select Bluetooth (blue light)/USB (red light)/AUX in (green light)

6.AUX IN/OUT: It is AUX OUT when is USB in or Bluetooth in

7.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.  
(\*Note: this port will not use the power from Phone/PC.)  
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

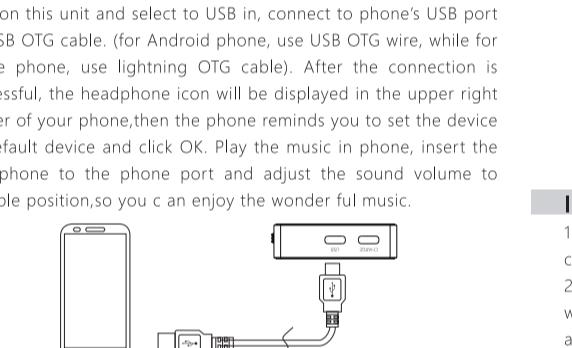
Turn on this unit and select to Bluetooth in. Search and connected by your mobile phone/computer, playing music. Insert the headphone to the phone port and adjust the sound volume to suitable position, so you can enjoy the wonderful music.



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 D ecoding

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.



\*Precautions for Bluetooth:  
1)The product will enter the matching mode automatically at first turning on. Search this device (Bluetooth name is XP-2 pro) for connection;  
2)After turning on, the device will be connected with the last connected Bluetooth device;  
3)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

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.

3). For first connection, please adjust the sound volume of phone to Max. level.

##### 4. 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.



##### 5. Installing PC USB Drive:

1. It is necessary to install the drive when connecting this unit to computer. (It is not necessary to install drive if it is MAC)

2. Please download the drive from office website <http://www.xduoo.com> . Select XDUOO USB DRIVER (installation manual is attached in package).

##### 6. Charging the unit

1. Charger specifications: output voltage 5V, output current ≥1A.

2. When charging, the red light is on; will turn green when full charged.

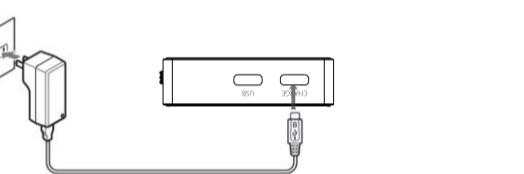
3. About 3 Hours for a full charging.

4. If use PC USB power to charge, it will take 4 hours.

5. Can be charged when the device is working, but it will take more time.

Advice 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.



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

##### 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.

→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.

→The battery is fully charged.

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

→Check that the connected device is turn on.

##### 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 products 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 this 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:

① Increase the separation between the equipment and receiver.

② 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.**

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