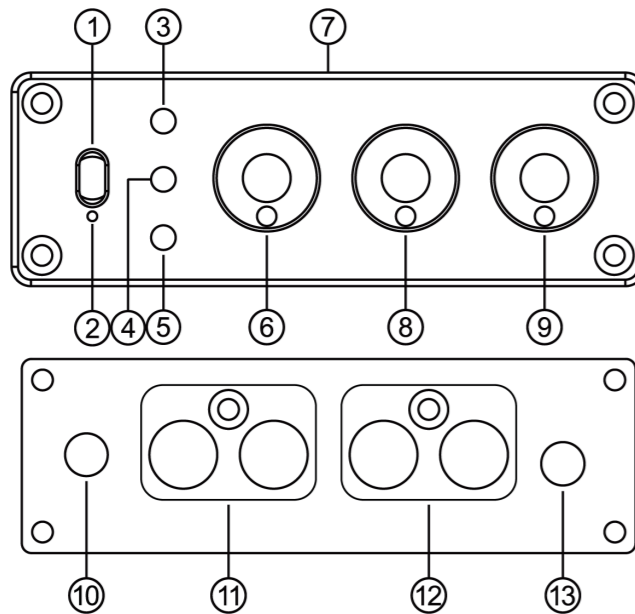


P6 mini Front and back panel



- ① On/off; Input switch (between RCA and USB/BT)
- ② Bluetooth(Blue)/ U-disk(Red) indicator
- ③ Previous song
- ④ Pause/play
- ⑤ Next song
- ⑥ Bass adjustment knob
- ⑦ U-disk input interface
- ⑧ Treble adjustment knob
- ⑨ Main volume adjustment knob
- ⑩ Bluetooth antenna socket
- ⑪ RCA input (red to right channel, white to left channel)
- ⑫ RCA output
- ⑬ Power interface (DC 12V)

Operation steps

1. Insert the vacuum tubes into the sockets of P6 mini. (please check if the pins of tube are deformed)
2. Connect active speakers or an amplifier to the output of P6 mini.
3. Wired input:
Connect the audio source (via RCA cable) to the input of P6 mini; or insert a U-disk to its USB socket(on the top of P6 mini).
4. Connect the 12V power adapter to P6 mini and then plug the power cable into the socket, and toggle the switch from OFF position to RCA or USB/BT position. (U-disk with priority, the input mode will automatically switch to U-disk when U-disk is inserted).
5. Wireless input:
Please toggle the input switch to BT position. (There will be blue indicator flashing.). Turn on Bluetooth on your phone, search and click to connect, the blue indicator will be steady blue after successful connection.
6. Play music on the audio source, adjust the treble/bass and main volume according to your preferences and enjoy music.
7. After use, please toggle the power switch to OFF position first, and then disconnect the power adapter.

Parameters

Audio input	Bluetooth/U-disk/Stereo RCA
Audio output	Stereo RCA
Frequency response	20Hz ~ 20KHz(±1dB)
Maximum capacity supported by U disk	64G
THD	< 0.03%(1kHz)
SNR	> 100dB
Working voltage	DC 12V/ ≥ 1.5A
RCA input sensitivity	0dBFS/1V
Bass and treble adjustment range	±6dB
Packing weight	0.62kg/1.37lb
Package dimensions(W*D*H)	230*260*65mm/9.06*10.24*2.56in

FAQ

Q: Why are all cables connected but there is no sound ?

A: 1. Check the input indicator of P6 mini:

- ① If it can light up normally, please check if the corresponding input mode is selected.
- ② If it cannot light up, please use another 12V power supply to detect whether the fault is the power supply or P6 mini.

2. If the indicator light is on but there is no sound, so the power supply is normal. Please continue to check according to the order of audio

signal transmission: audio source → audio cable → preamp/decoder → amplifier → speaker.

3. If all is fine, please check whether the audio source is muted, paused or the volume is too small.

Q: Why is the sound distorted? How to adjust the treble, bass and main volume?

A: Maybe the input amplitude is too large. If the volume of audio source and P6 mini both are turned to maximum, it is easy to cause distortion. Please turn down the volume of audio source or P6 mini. In general, adjust the volume of amplifier to about 60%, then fine-tune the volume of preamp (distortion will be greatly reduced in this way); the treble and bass are usually adjusted according to the music style/device types/personal preference.

Q: Why is there a loud current sound or buzzing sound on the speaker?

A: 1. Please use the original power supply. Many power supplies in the market have interference, which will cause current sound.

2. When using unshielded signal cable in no load, there will be interface signals. Please use the shielded signal cable or unplug it.

3. If there is still noise after checking above situations, please confirm whether it is external noise or internal noise. Disconnect all inputs and only retain power supply and power cable. If the noise disappears, it is from audio input; if the noise is still there, it is possibly caused by power supply or the internal of P6 mini.

Q: Can I replace the vacuum tube without turning off the power?

A: No, because the inside of P6 mini is working at high pressure, the vacuum tubes will be burnt out or the P6 mini will be damaged if you plug tubes during its work.

Q: Why is there a thumping sound when switching on/off?

A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turn on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching off. As the internal capacitors will be discharged for a while after shutdown. If turn off the preamp firstly and then turn off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases).

Q: Why Bluetooth cannot be searched? How to switch to Bluetooth mode?

A: Toggle the input switch on the panel to switch to BT mode, there will be blue light flashing, then use your phone or tablet to search for "BT HiFi AUDIO", click and connect it, then play music. (The Bluetooth name may different in different models of products, please refer to the user manual of each product).

Q: Why does the Bluetooth playback lag or even disconnect? Why is the Bluetooth background noise/current noise obvious?

A: Please check whether the Bluetooth antenna is installed correctly, whether there is interference or blocking (such as WiFi router / wireless telephone / FM radio, etc., since they may be in the same frequency band as Bluetooth, and inductive loads such as fans/refrigerators/air conditioners will also cause some interference), whether the Bluetooth is blocked or too far away from the device (more than 15 meters).

Q: Can the device be connected to my computer via Bluetooth? Why is there no sound when connected to PC?

A: Compared with phones, computers with poor compatibility and troublesome operations when using Bluetooth. Need the computer with Bluetooth function and to update the driver and set the output device to Bluetooth after connection.

Q: Why is there no music output after inserting a U-disk?

A: Please confirm the format and capacity of the U-disk, as well as the file format of the U-disk (only supports U-disk in FAT32 format within 64G).

Q: Why is U-disk playback sometimes laggy?

A: In general, MP3/FLAC/APE/WMA/WAV and other common formats are supported, please confirm the file format of the U-disk. (Please put the music files under root directory, don't create a new folder or don't play other unsupported files, or else there may be an error).

Q: How does the tube work when the supply voltage of the tube preamp is only 12V?

A: In addition to the high-voltage power supply of transformer, vacuum tubes also use positive and negative voltage supply (it depends on the function of the tube in the circuit), we also have some products that adopt the step-up power supply.

Q: Why is the sound not clear every time the tube preamp starts to be used ?

A: Unlike transistors, vacuum tubes are sensitive components which need to be warmed for a while before entering normal working status. Generally it's better to warm up for about 15 minutes.

Q: Why is there a faint sound even when the volume is turned up to the maximum without tubes?

A: Preamp is for audio signal amplification, other components such as capacitors or resistors will still produce a weak signal coupling although no tubes are plugged in. Please install the tube correctly before use.

Q: How long is the service life of vacuum tubes? Can I replace them by myself?

A: The service life of the vacuum tubes is about 4000-4500 hours, they are not easy to break as long as not damaged by external forces. Before replacing, please confirm the model that can be replaced.

Q: The commonly used vacuum tubes can be replaced by what models?

A: Commonly used preamp tube can be replaced by: 6J1, 6J2, 6J3, 6J4, 6J5, 6K4, 6*1N, 6*4N, 6*5N, 5654/5654W, 5725, 6AK5, EF95, 6BA6, 403B, etc.

Q: What should be paid attention to when using tube devices?

A: Vacuum tube is a high-resistance component, easy to be interfered with, so it should be as far away as possible from RF interference or electromagnetic interference sources and avoid vibration; The tube will

generate heat when working, so it should be well ventilated and heat dissipated.

Q: Can I replace or upgrade the op-amp by myself?

A: Commonly used replaceable op amps: 2604 / 2134 / Muse02, etc. (dual op amps are generally available), different op amps have different sound effects. (According to the actual product models.)

Warning

1. Please do not open the shell by yourself, improper operation may cause a risk of electric shock.
2. Please use the regular manufacturer's switching power supply, otherwise there will be the risk of damage to P6 mini.
3. Please do not change the vacuum tube at will, or it will burn out your vacuum tube or P6 mini.
4. Please do not put P6 mini in a high temperature or humid environment.
5. Default 12V power adapter, and P6 mini will be damaged if the voltage exceeds 12V.

Contact information

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