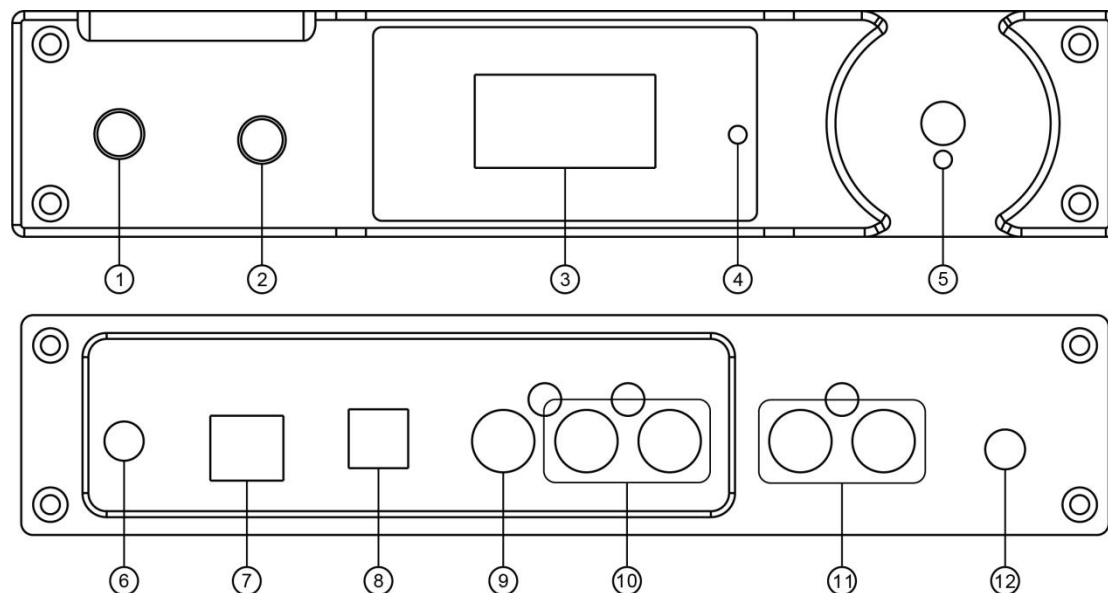


User's Manual

Thank you very much for purchasing our products! Please read contents of the manual carefully before using the it.

非常感谢阁下购买本公司产品!在使用产品前,请认真阅读本说明书内容。

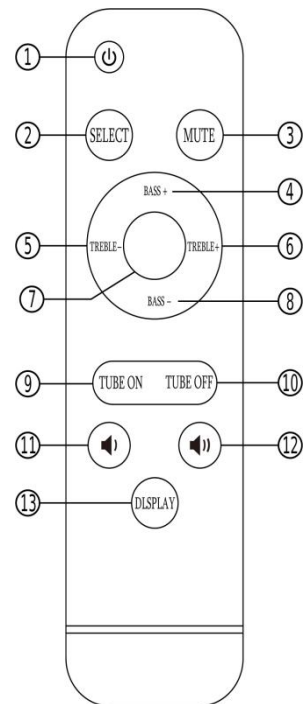
前后面板说明:



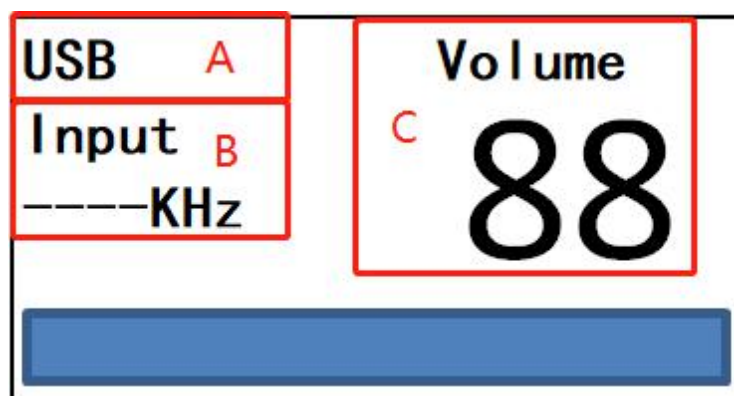
- ① 开/关机按键 (短按开机/再次短按切换通道, 长按关机)
- ② 3.5 耳机输出
- ③ OLED 显示屏
- ④ 遥控接收窗
- ⑤ 编码器旋钮
(左右旋转调节音量; 短按静音; 双击调节低音音量/再次双击调节高音音量)
- ⑥ 蓝牙天线座
- ⑦ PC-USB 输入
- ⑧ 光纤输入
- ⑨ 同轴输入
- ⑩ RCA 输入 (红色接右声道, 白色接左声道)
- ⑪ RCA 输出 (红色接右声道, 白色接左声道)
- ⑫ 电源接口 (电源输入不能高于 DC 12V)

遥控功能说明:

- ① 开/关机
- ② 输入通道选择
- ③ 静音键
- ④ 低音加
- ⑤ 高音减
- ⑥ 高音加
- ⑦ 空键无功能
- ⑧ 低音减
- ⑨ 电子管开
- ⑩ 电子管关
- ⑪ 音量减
- ⑫ 音量加
- ⑬ OLED 屏开/关



OLED 显示屏说明:



- A.....输入通道显示区域 (根据选择分别显示 USB/BT/COA /OPT/RCA)
- B.....输入采样率显示区域，无信号输入时会显示 ----
- C.....音量显示区域，Volume 0-99
- D.....最底部为音量进度条

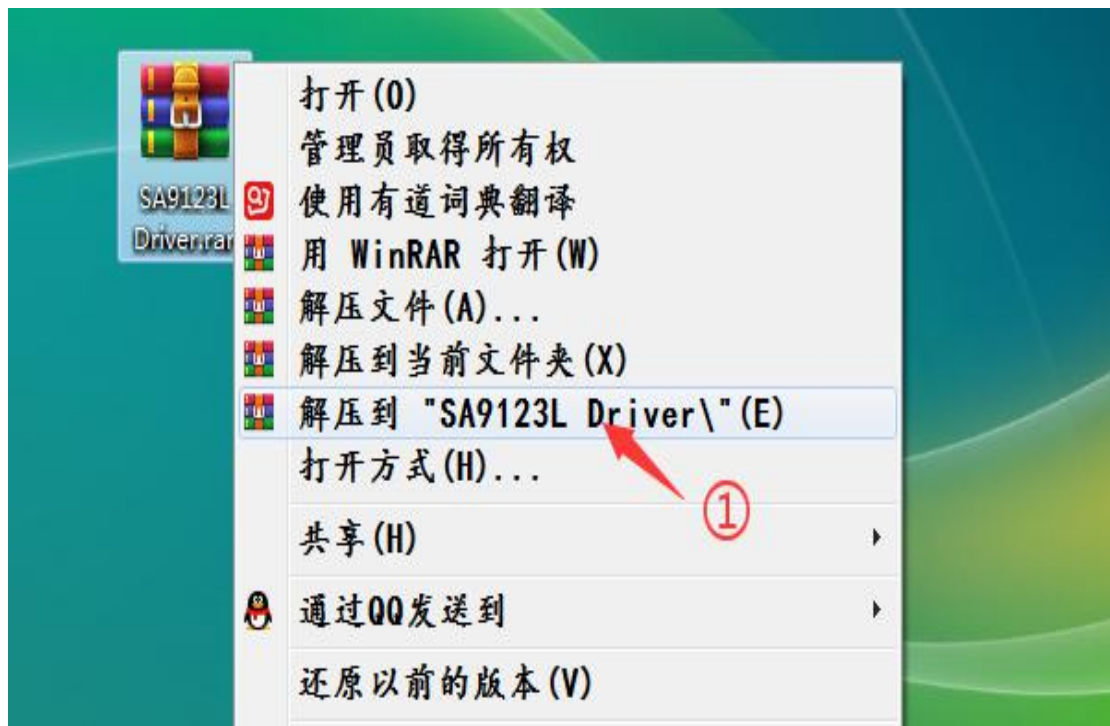
操作步骤:

1. 将随机器配的电子管按方向装入电子管座（电子管不分左右，注意查看引脚是否变形）。
2. 将需要使用的音源接到音源输入接口。
3. 将需要外接的后级设备接至使用产品的 RCA 输出接口。
4. 最后接上电源（DC 电压不得高于 12V）。
5. 短按开机键开启机器，再次短按开机键，切换到对应的输入通道。
6. 顺时针旋转音量旋钮选择需要的音量大小。

PC-USB 操作说明:

1. 使用出厂配置的 USB 线，将本机 PC-USB 接口连接电脑（USB 支持热插拔）。
2. 按输入切换键切换到 PC-USB 输入，并在 PC 端安装驱动程序。（安装文件请与本公司联系获取）

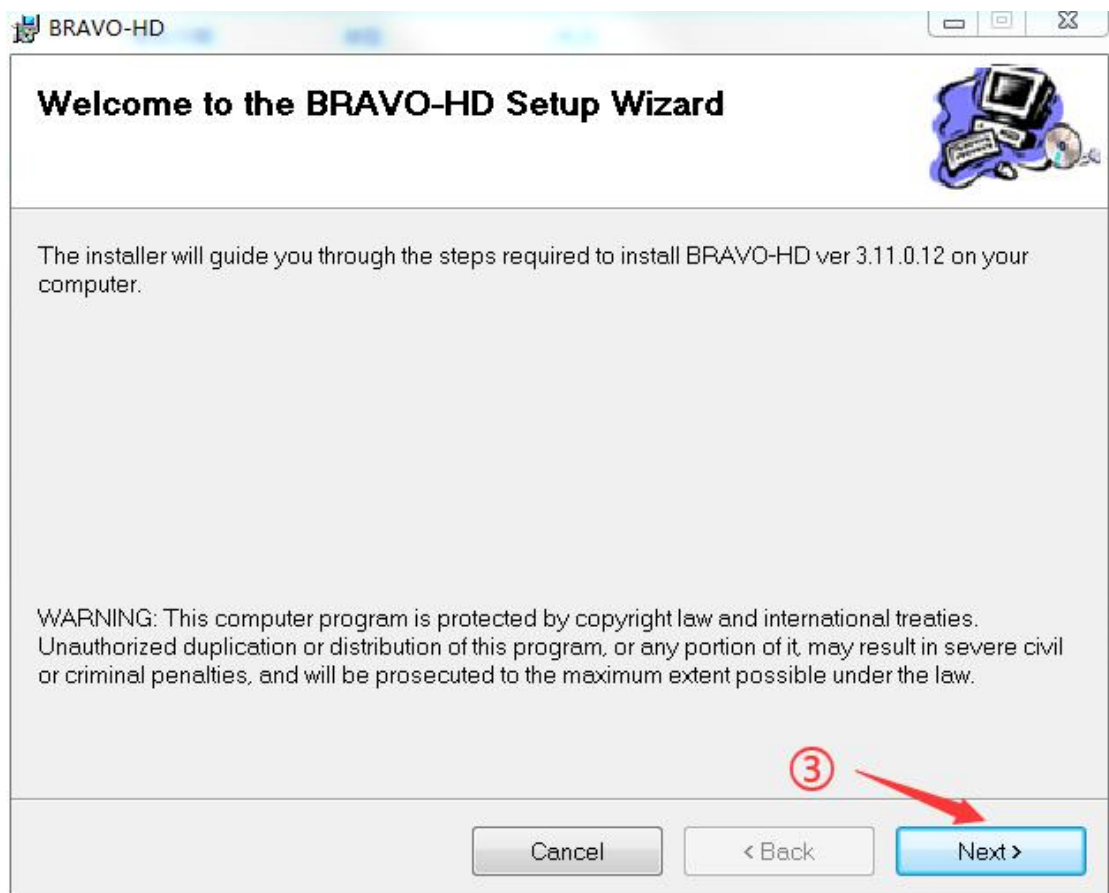
安装步骤如下:



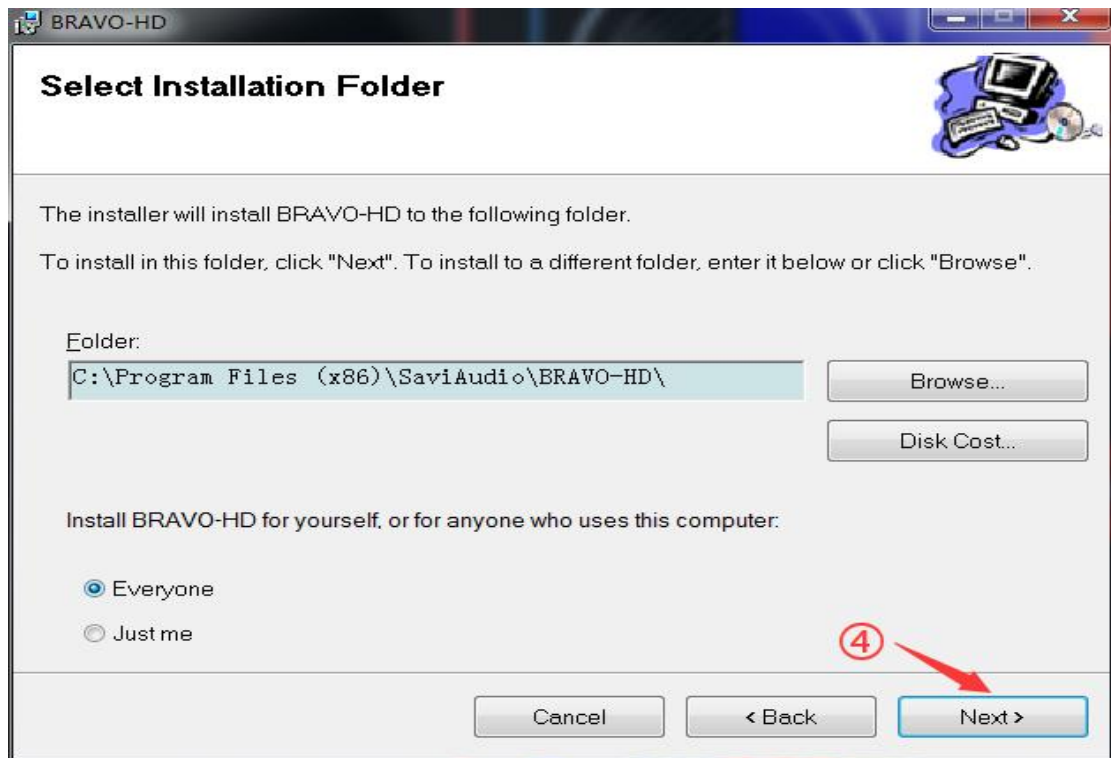
找到安装文件后，如图右击“SA9123L Driver”文件、并单击“解压到 SA9123L Driver”；

名称	修改日期	类型	大小
WindowsInstaller3_1	2020/10/28 8:53	文件夹	
BravoHDSwPkgSetup.msi	2020/9/4 10:30	Windows Install...	2,416 KB
setup.exe	2020/9/4 10:30	应用程序	384 KB

解压完成后，双击“setup.exe”运行安装程序；



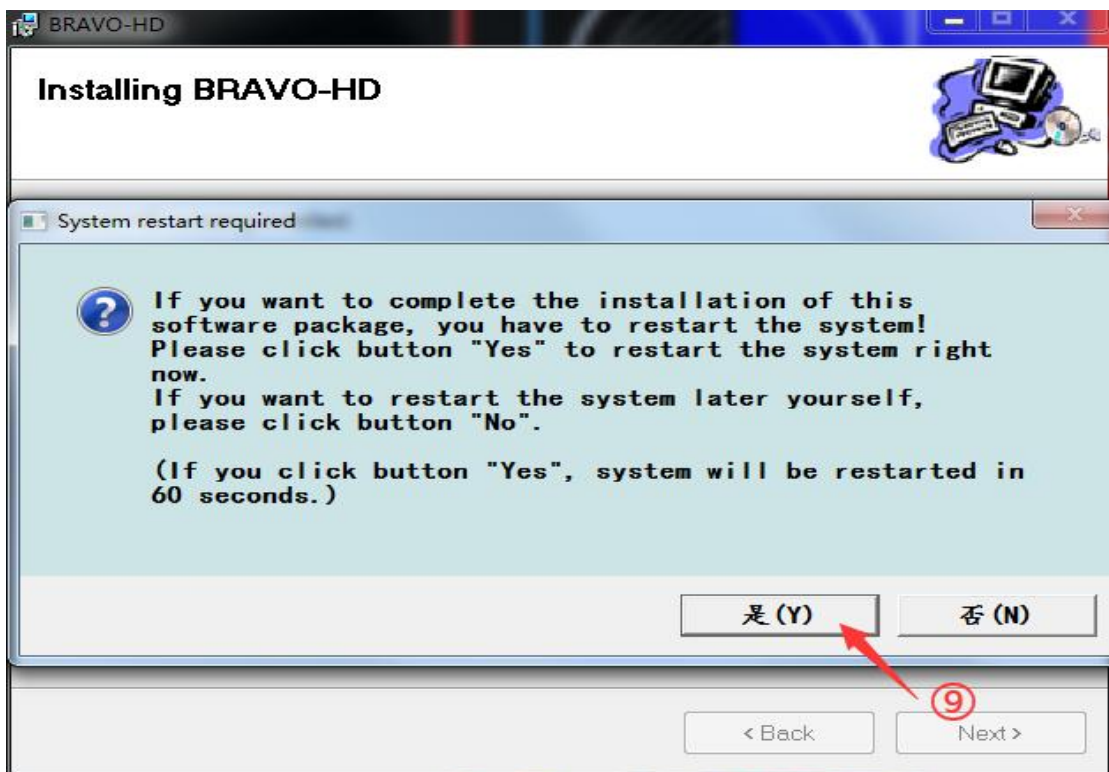
安装过程中直接点击“Next（下一步）”

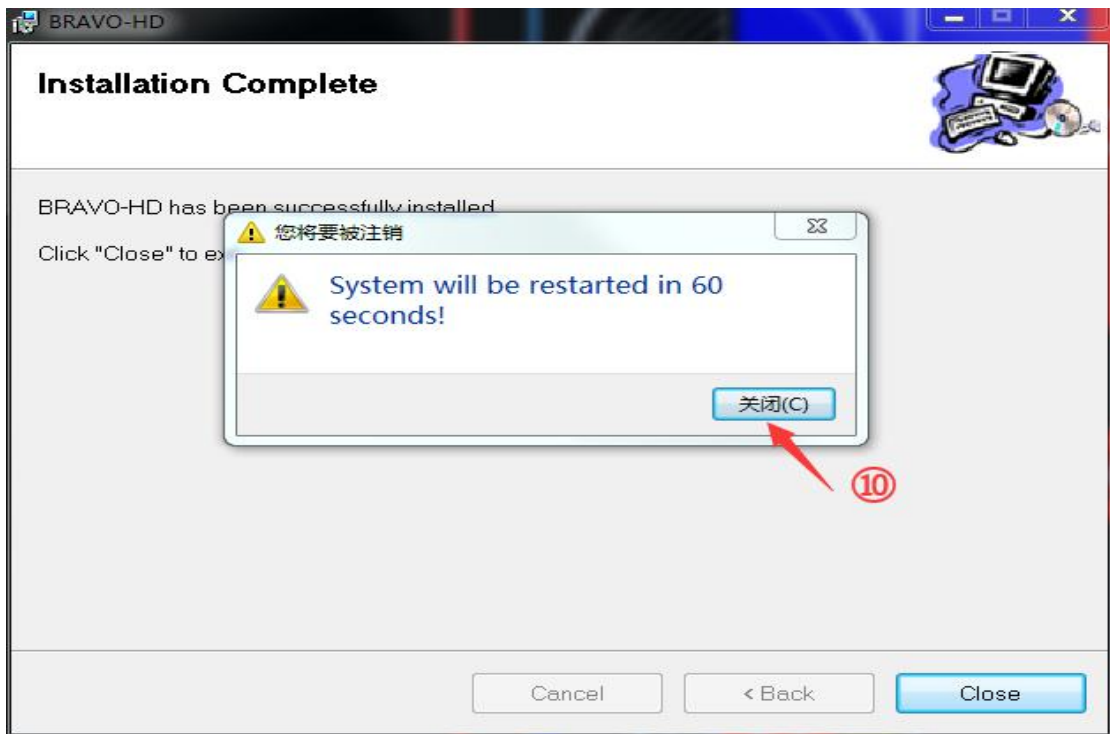


当提示“您想安装这个设备软件吗？”，请勾选“始终信任...”并安装；



安装完成，系统会提示重启，点击“是”并等待完成重启即可；





3. 重启完成后，在桌面右下角找到喇叭符号，右击弹出对话框，点击【播放设备】。



4. 在弹出的对话框中选择 PC 识别到的 USB 设备。
5. 点击确认识别到的数字输出，设为默认即可。

规格参数：

光纤支持最高采样率	PCM 192KHz/24bit	RCA 输出幅值	2.4V _{RMS}
同轴支持最高采样率	PCM 192KHz/24bit	耳机输出功率	150mW
PC-USB 最高支持采样率	PCM 192KHz/24bit	耳机阻抗范围	16~300 Ω
PC-USB 支持操作系统	WIN7/8/10/MAC/Linux	蓝牙版本	5.0
频率响应	20Hz~20KHz (±0.5dB)	工作电压	DC12V
失真度	0.08%	包装重量	1.06kg
信噪比	≥110dB	包装尺寸	长 310*宽 240*高 70mm

常见问题：

问：我所有的线都接好了，为什么没有声音？

答：1. 检查机器是否开机，是否切换到了对应的输入通道。

2. 检查后级连接是否正确，音量是否处于最小状态。

3. 若以上都正常，检查输入的播放设备是否静音、暂停了、或者音量处于最小状态。

问：为什么我搜索不到蓝牙配对名称？

答：因本机设计，在使用其他通道输入时，蓝牙是不工作的，你只需要将输入切换至蓝牙模式即可。

问：为什么声音出现破音？

答：本产品虽为 DAC 前级，但也是有放大作用的，如果后级设备音量调到最大，前级也调到最大那就很容易失真，此时只需将前级或后级的音量调小即可。

问：为什么喇叭出现很大的电流声？

答：如你使用的不是原厂标配的电源，请更换电源后再测试。市面很多电源纹波干扰系数大则会造成很大电流声。

问：为什么我插上输入线后不接播放音源，音箱会有很大的嗡嗡声？

答：使用了不带屏蔽的信号线空载时，会有干扰信号进入到功放进行放大，建议你换成带屏蔽的信号线，或者拔掉信号线。

问：我可以在不关闭电源的情况下直接更换管子吗？

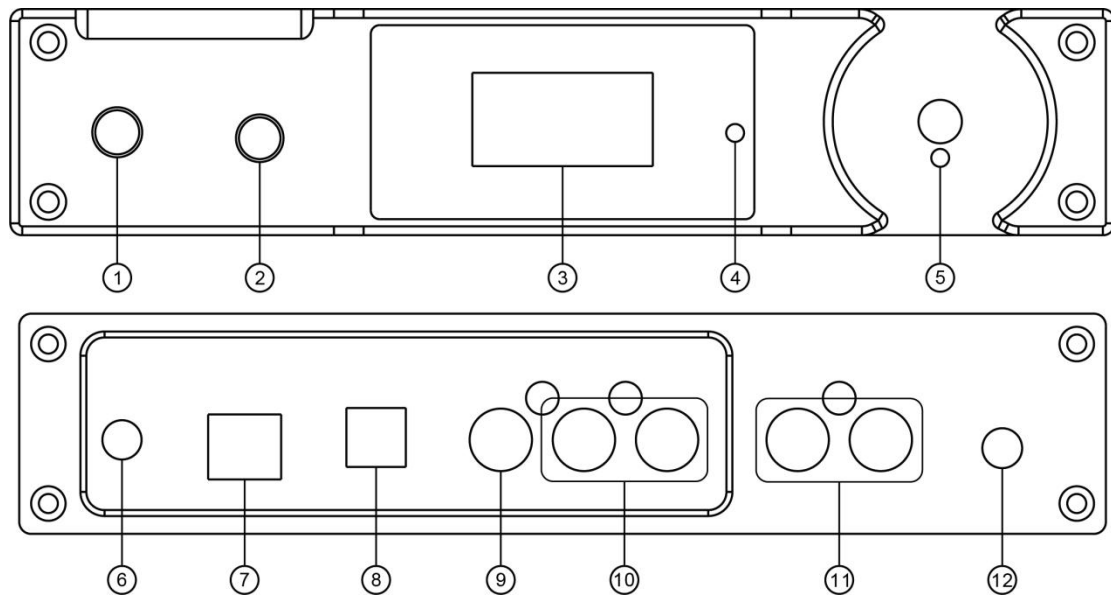
答：不可以，因为机器内部是高压工作的，热插拔电子管烧坏还有可能损坏机器。

警告！

1. 请勿私自打开外壳，操作不当可能会引起触电的危险。
2. 请使用正规厂家生产的开关电源，否则会有损坏机器的风险。
3. 请勿随意更换电子管，否则会烧坏你的电子管或机器。
4. 请勿将机器放在高温或潮湿环境下工作。

Thank you very much for choosing our products! Please read this manual carefully before using the product.

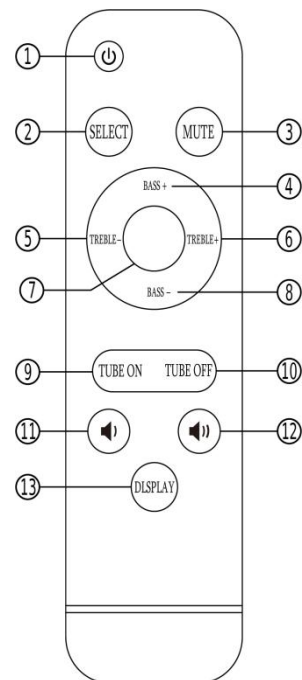
Front and rear panel description:



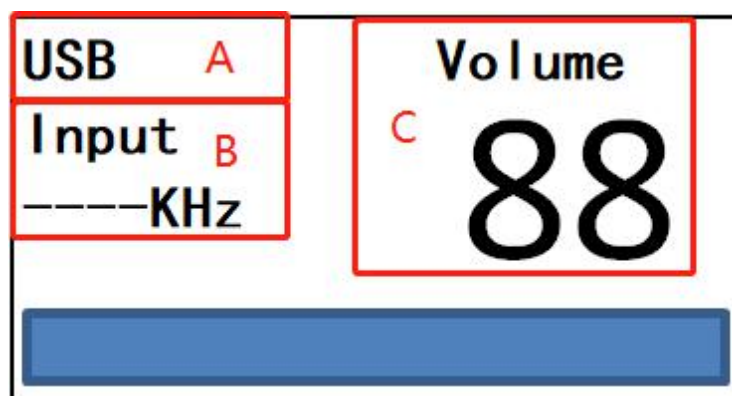
- ① On/off key (short press to start the machine, short press again to switch the input channel; long press to turn off the power supply)
- ② 3.5 Headphone output
- ③ OLED Display
- ④ IR receiving window
- ⑤ Encoder knob (Rotate left and right to adjust the volume; Short press mute; Double click to adjust the bass volume / double click again to adjust the treble volume)
- ⑥ Bluetooth antenna socket
- ⑦ PC-USB input
- ⑧ Optical input
- ⑨ Coaxial input
- ⑩ RCA input (red: right vocal tract, white: Left vocal tract)
- ⑪ RCA output (red: right vocal tract, white: Left vocal tract)
- ⑫ Power interface (The power input cannot be higher than DC 12V)

Functions of remote control buttons:

- | | | |
|---|-------|-------------------------|
| ① | ..... | ON/OFF |
| ② | ..... | Input channel selection |
| ③ | ..... | Mute |
| ④ | ..... | Bass+ |
| ⑤ | ..... | Treble- |
| ⑥ | ..... | Treble+ |
| ⑦ | ..... | No function |
| ⑧ | ..... | Bass- |
| ⑨ | ..... | Tube ON |
| ⑩ | ..... | Tube OFF |
| ⑪ | ..... | VOL- |
| ⑫ | ..... | VOL+ |
| ⑬ | ..... | OLED ON/OFF |



OLED Display Description



A.....Input channel display area, display separately according to selection

USB/BT/ COA /OPT/RCA

B.....Input sampling rate display area, no signal displayed ----

C.....Volume display area, Volume 0-99

D.....The bottom is the volume progress bar

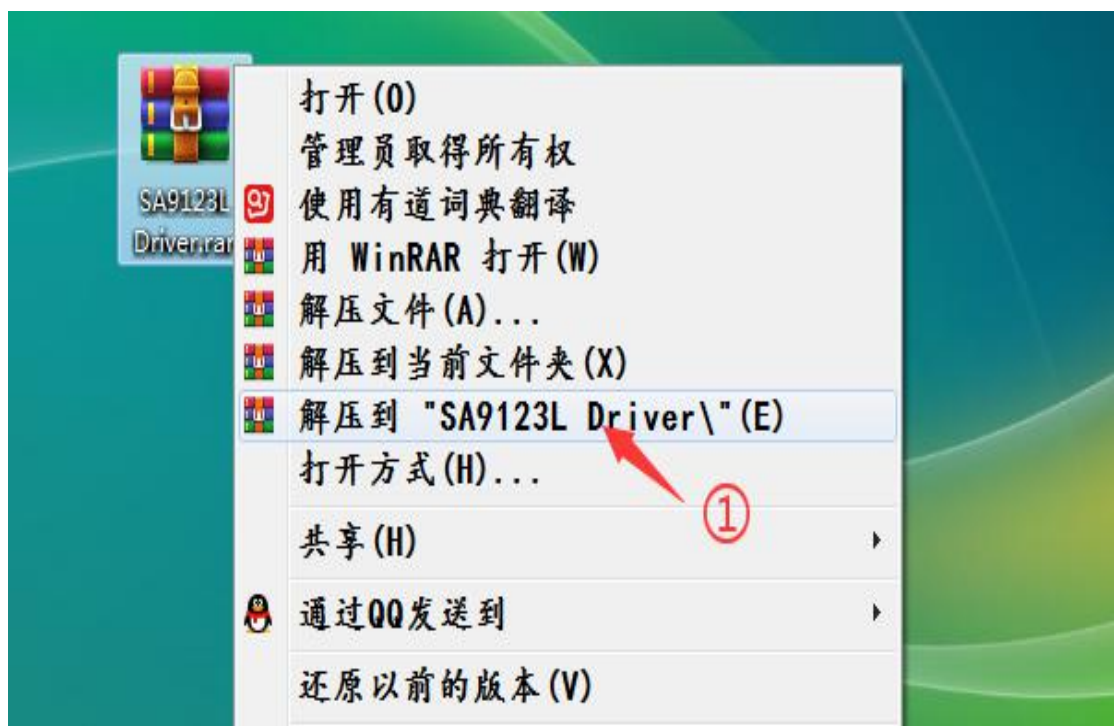
Operation steps:

1. Install the electronic tube matched with the product into the electronic tube base according to the direction (the electronic tube is not divided into left and right, and pay attention to whether the electronic tube pin is deformed).
2. Connect the sound source to be used to the sound source input interface.
3. Connect the required rear stage equipment to the RCA output interface of the product.
4. Finally, connect the power supply (the DC voltage shall not be higher than 12V).
5. Short press the start key to start the machine, and then short press the start key again to switch to the corresponding input channel to be used.
6. Turn the knob clockwise to select the desired volume.

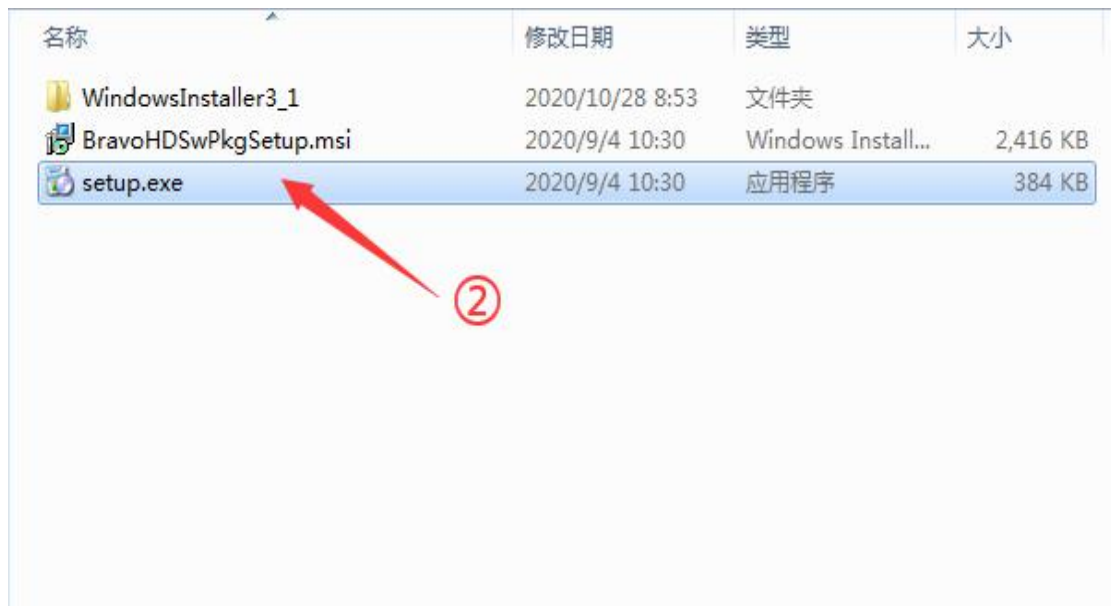
PC-USB Operation instructions:

1. Connect the PC-USB interface to the computer using the USB cable configured by the factory (USB supports hot plugging).
2. Press the input selection key to PC-USB input, and install the driver on the PC side. (Please contact our company for installation documents)

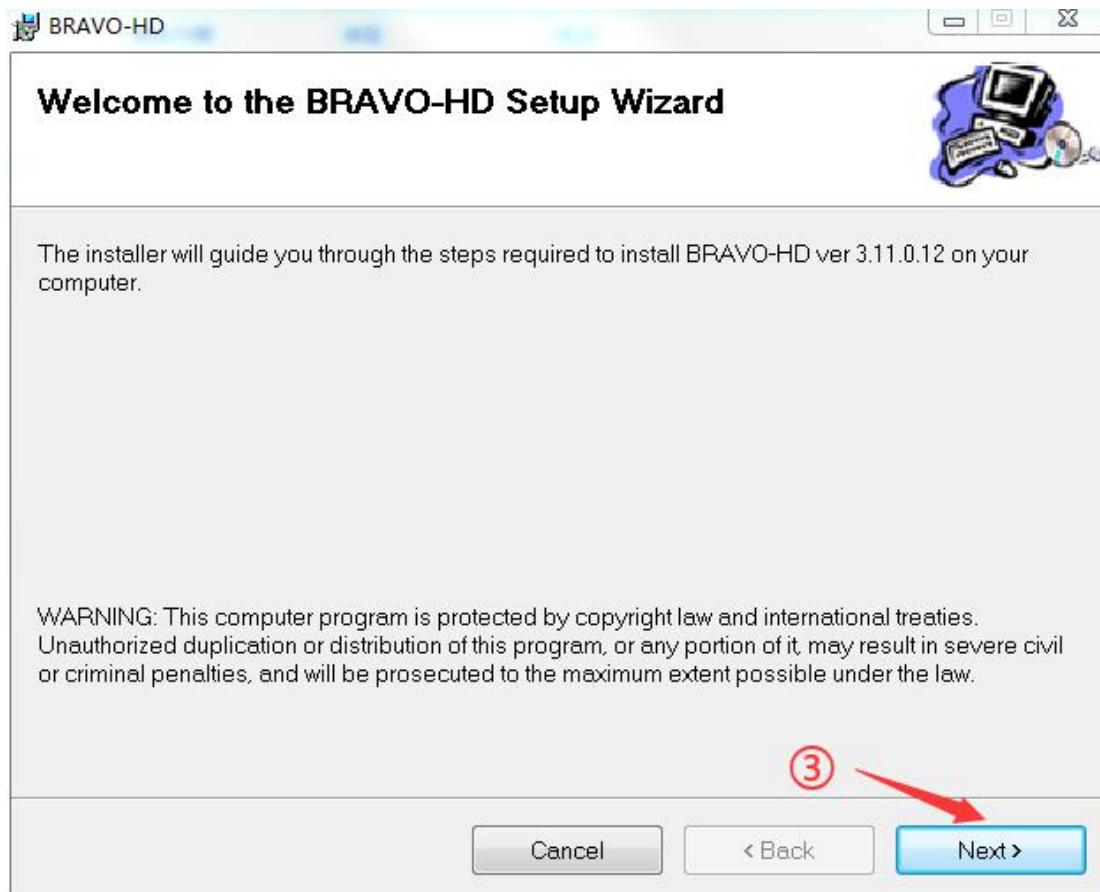
Installation steps are as follows:



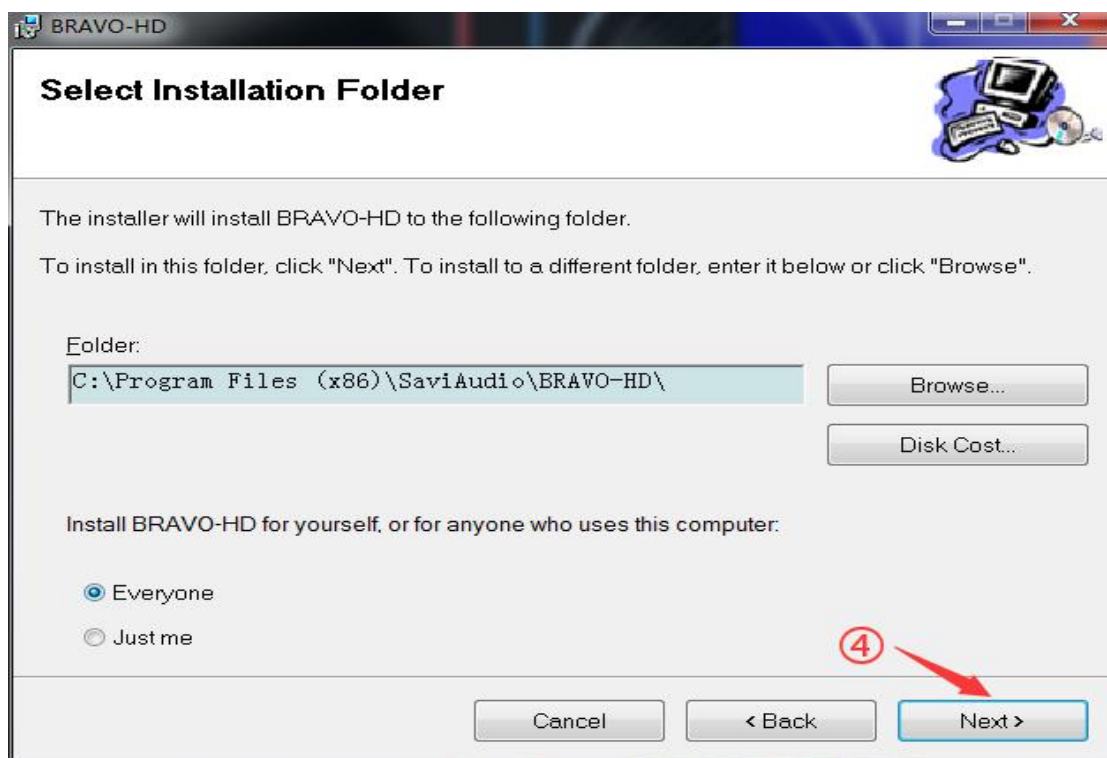
After finding the installation file, right-click the "SA9123L Driver" file as shown in the figure, and click "Unzip to SA9123L Driver";



After unzipping, double-click "Setup. exe" to run the installation program;



During installation, click "Next"

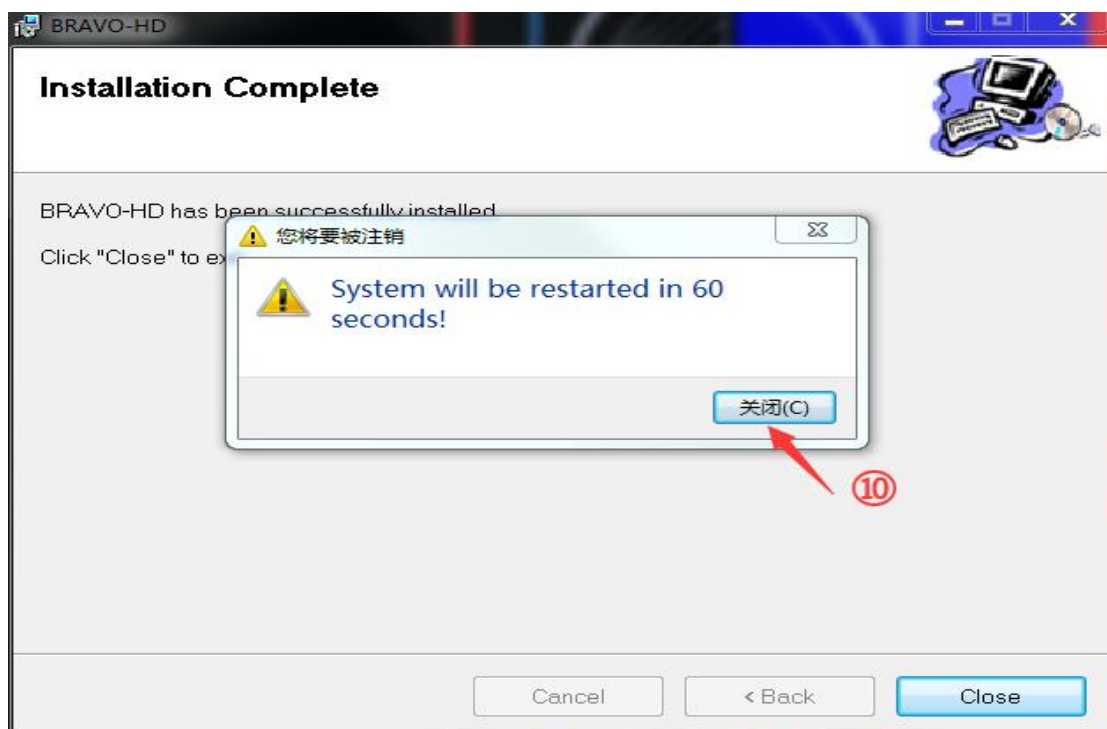
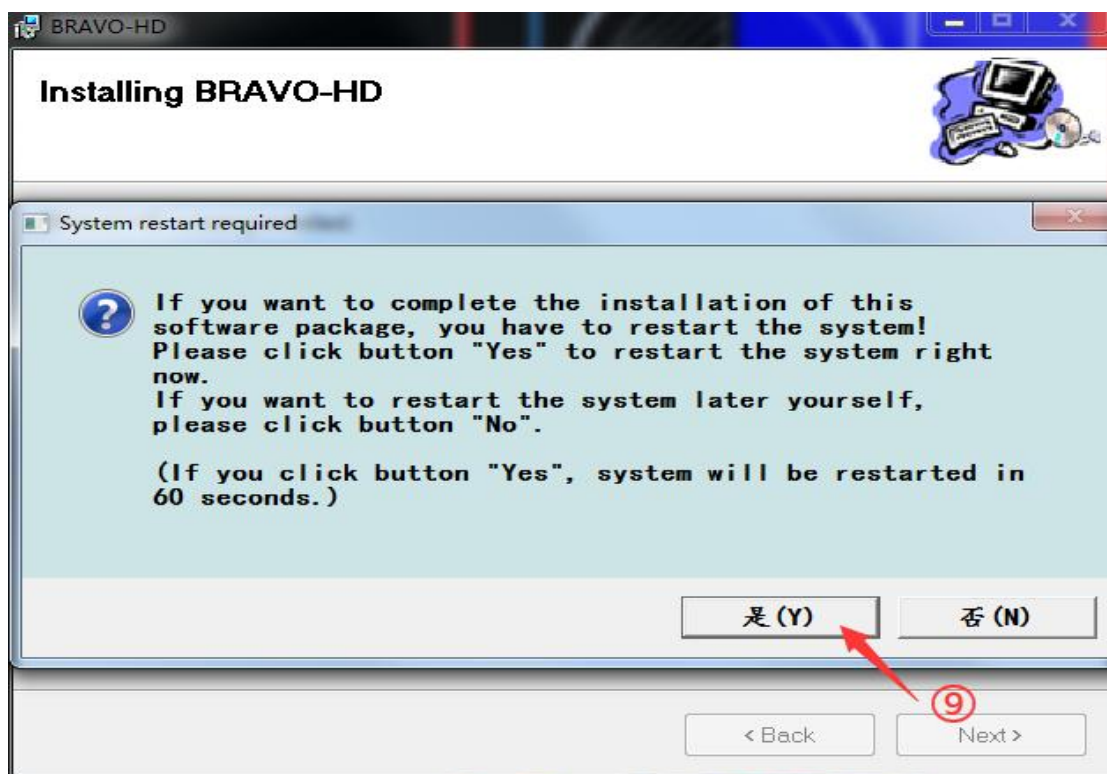




When prompted "Would you like to install this device software?", please check "Always Trust..." And installation;



When the installation is completed, the system will prompt you to restart. Click "Yes" and wait for the restart to complete.



3. After the restart, find the speaker symbol in the bottom right corner of the desktop, right click the pop-up dialog box, and click 【Play Device】。



4. Select the USB device recognized by PC in the pop-up dialog box.
5. Click to confirm the recognized digital output and set it as the default.

Specification parameters:

Maximum sampling rate supported by optical fiber	PCM 192KHz/24bit	RCA output amplitude	2.4V _{RMS}
Coaxial supports the highest sampling rate	PCM 192KHz/24bit	Headphone output power	150mW
Maximum sampling rate supported by PC-USB	PCM 192KHz/24bit	Earphone impedance range	16~300 Ω
PC-USB support operating system	WIN7/8/10/MAC/Linux	Working voltage	DC12V
Frequency response	20Hz~20KHz (±0.5dB)	Bluetooth version	5.0
THD	0.08%	Packing weight	1.06kg
SNR	≥110dB	Package size	L310*W240*H70mm

Common problem:

Q: All my wires are connected. Why is there no sound?

A: 1. Check whether the machine starts and switches to the corresponding input channel.
 2. Check whether the back-end connection is correct and whether the volume is in the minimum state.
 3. If all the above are normal, check whether the input playback device is silent, paused, or the volume is at its minimum.

Q: Why can't I search for Bluetooth pairing names?

A: Due to the design of this machine, Bluetooth does not work when using other channels for input. You just need to switch the input to Bluetooth mode.

Q: Why is the sound distorted?

A: Although this product is the front stage of DAC, it also has the function of amplification. If the volume of the rear stage device is turned up to the maximum, the volume of the front stage is also turned up to the maximum, which is easy to distort. At this time, you just need to turn down the volume of the front stage or the rear stage.

Q: Why is there a lot of electrical noise from the loudspeaker?

A: If you are not using the original standard power supply, please replace the power supply and test again. Many power sources in the market have a large disturbance coefficient, which will cause a large current sound.

Q: Why does the speaker make a loud buzzing sound when I plug in the input cord and don't connect the audio source?

A: When the signal line without shielding is used, there will be interference signals entering the power amplifier for amplification. It is recommended that you replace the signal line with shielding or unplug the signal line.

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

A: No, because the inside of the machine is working at high pressure, the hot plug vacuum tube burnt out may damage the machine.

Warning!

1. Please do not open the machine shell. Improper operation may cause electric shock.
2. please use the regular manufacturer of switching power supply, otherwise there will be the risk of damage to the machine.
3. Please do not change the vacuum tube at will, or it will burn out your vacuum tube or machine.
4. Do not put the machine in a high temperature or humid environment.

