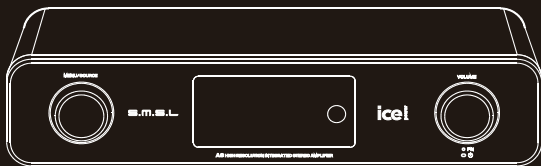


S.M.S.L[®]

A6



Manual

安全注意事项



注意:

为防电击,请勿打开机盖(或后盖)。本机内部无使用者可以维修的部件。请委托有资格的技术人员进行维修。



等边三角形中有箭头闪电标号的图形表示警告使用者在产品内有非绝缘的“危险电压”,可能会对人体造成很大的电击危险。



等边三角形中有感叹号的图形表示警告使用者该设备在操作与维护(维修)方面应严格按照所附设备说明书。



仅适用于海拔2000m以下地区安全使用。



仅适用于非热带气候条件下安全使用。

注意: 为了完全切断本机的电源,请从墙上插座中拔出插头。电源插头用于完全中断机器的电源供应

安全注意事项

警告 避免高温。

- 装于机架时应允许充分散热。
- 小心操作电源线。
 - 从插座上拔出电源线时应抓住插头将其拔出。
- 勿将本机放置于湿度很高或多尘的位置。
- 长时间不使用本机时须拔下电源插头。
- 勿阻塞机壳的通风孔。
- 勿使异物掉入机内。
- 勿使杀虫剂、苯和稀释剂与机箱接触。
- 切勿拆解或以任何方式改装本机。
- 不得用报纸、桌布或窗帘等物品覆盖通风口,以免妨碍通风。
- 不得将点燃的蜡烛等明火源放置在本机上。
- 请留意和遵守当地有关电池处置的法规条例。
- 请勿使液体滴落或喷洒到本机上。
- 请勿将花瓶等装有液体的物体放置在本机上。
- 请勿用湿手操作主电源线。
- 当开关位于“关闭”位置时,设备并未与主电源彻底切断。
- 应将本设备安装在电源附近,以便于接入电源。
- 不要让本器材暴露于雨水、湿气、滴水或溅水之中。
- 电池不要存放在阳光直射或靠近高热源的位置,例如靠近加热器。

特点

- 与丹麦ICE Power公司深度合作开发,最大程度发挥功放模块性能!
- 使用丹麦ICE Power公司生产的50ASX2SE (50W x 2)的功放模组,具备高功率输出和超低失真度。
- USB接收芯片使用第二代XMOS方案—xcore200 xu208, PCM采样率最高支持768kHz及DSD512, 独家定制驱动支持Native DSD, 处于业内领先地位。
- 时钟系统使用了独立的超低时钟抖动, 超低相噪的晶振作为音频时钟。
- 电源使用了多组低噪声LDO供电。
- 采用AKM公司最新音频解码芯片AK4452。
- 内置双木三林专利音效SDB(SMSL Dynamic Bass)。
- 内置黑胶唱片放大器,可直连MM唱头的黑胶唱机。
- 彩色液晶显示屏,并且支持亮度调节!

备注:

SDB介绍:

双木三林公司专业的音效,能有效的提升声音的还原度,此音效不只对低音进行提升,同时还会根据当前的音乐信号对高音和低音进行动态调节,以达到最佳的欣赏效果!

温馨提示:

固件及驱动下载:

<http://www.smsl-audio.com/cn/download.apk>

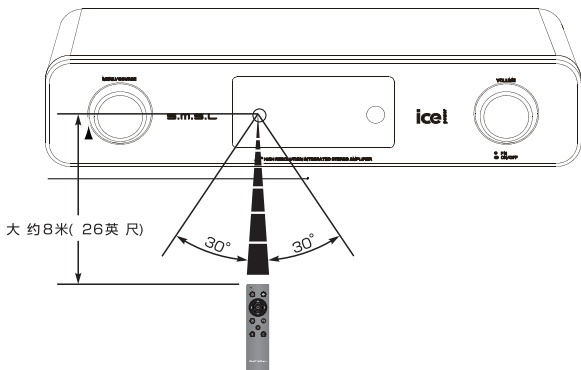
技术参数

- 输入方式: USB/光纤/同轴/模拟
- THD+N:
 - DAC out 0.0005%
 - 耳放 0.004%
 - 功放 0.0025%
- 动态范围: 114dB
- 信噪比:
 - DAC out 100dB
 - 耳放 93dB
 - 功放 117dB
- USB传输方式: 异步传输
- USB兼容性: Windows 7/8/8.1/10;
Mac OSX 10.6以上;
Linux;
- 位深:
 - USB 1bit ~ 32bit
 - 光纤,同轴 16bit ~ 24bit
- 采样率:
 - USB PCM: 44.1 ~ 768kHz
DSD: 2.8224 ~ 22.5792MHz
 - 光纤,同轴 44.1KHz ~ 192KHz
- 耳放输出功率: 32欧 112mW
- 功放输出功率
 - 4欧 50W x 2
 - 8欧 30W x 2
- DAC输出电平: 2Vrms
- 消耗功率: 45W
- 待机功率: 3.6W
- 尺寸 215x45x198(WxHxD)
- 重量 1.58kg

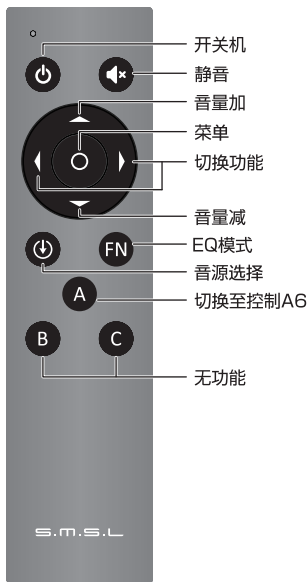
关于遥控器

- ❶ 如果遥控器距离本机很近时操作仍无效，请用新电池更换。
- ❷ 如果要长时间不使用遥控器，请取出遥控器的电池。
- ❸ 按照电池处置的地方性法规处置废旧电池。

遥控器使用工作范围



遥控器功能介绍

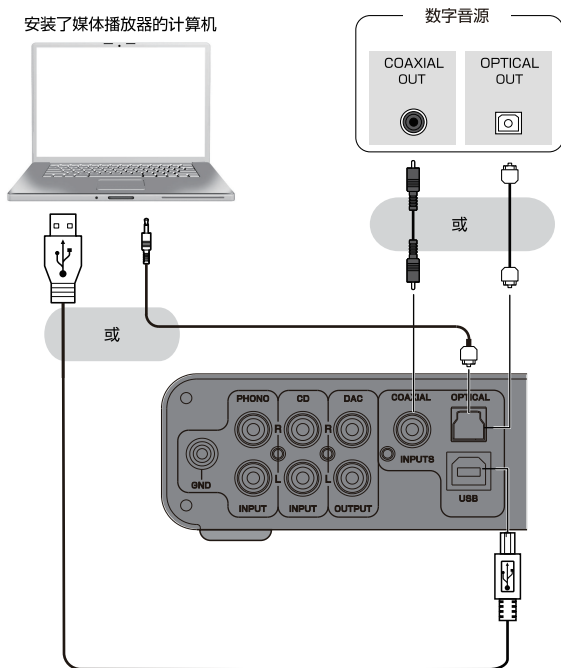


注意

1. 遥控器请使用2节7号(AAA)电池
2. 第一次操作A6时,先按A键

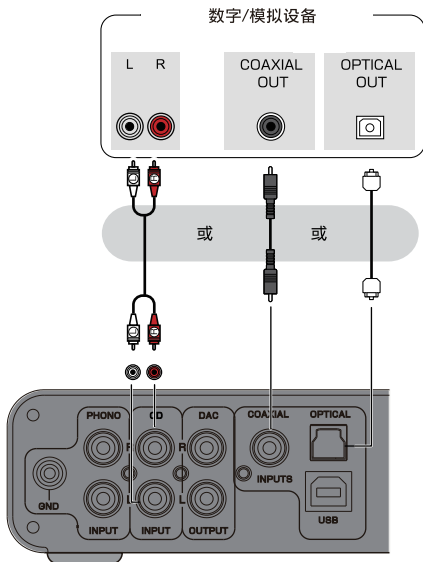
输入连接

电脑/数字媒体播放器



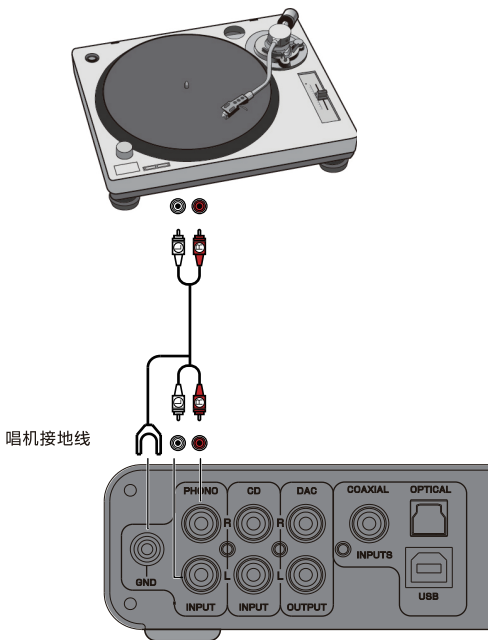
输入连接

CD/DVD/BD播放机等



输入连接

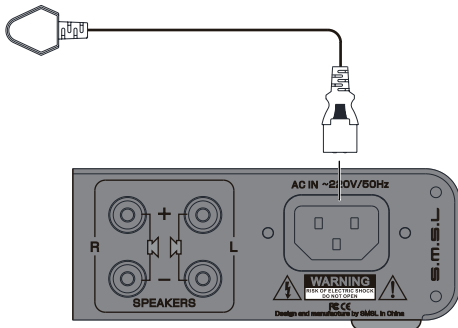
黑胶唱机连接



电源及音箱线连接



带有接地
线的插座



音箱线去皮8-10mm
(超出10mm容易短路)



1. 反转螺帽

2. 侧面对孔插入音箱线

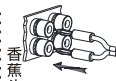


上图为正确安装图

3. 顺转螺帽, 锁定音箱线
下图音箱线去皮长容易短路



裸线接法



香蕉头接法
对准插口插进去

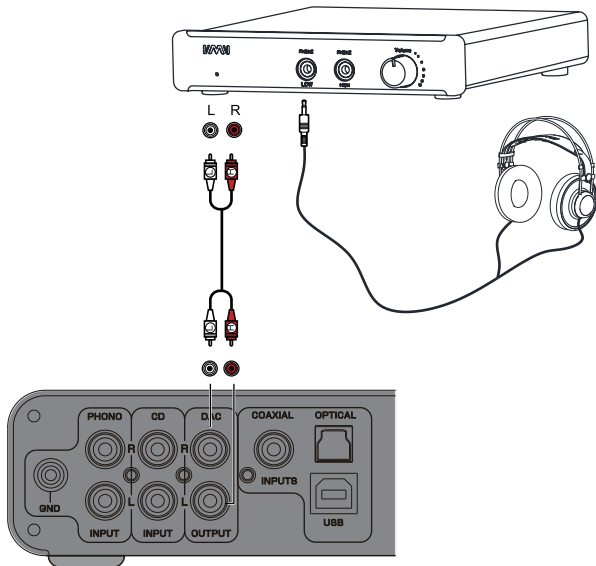


DAC输出

注：

输出接口可以连接功放,耳放,有源音箱等。

(耳机放大器)



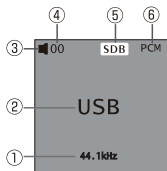
操作说明



- A. 菜单键及功能切换: 短按进入菜单选项, 顺时针旋转进入功能切换
- B. 音量旋钮及自定义功能键: 顺时针音量增大, 逆时针音量减小, 长按开关机, 短按可自定义(EQ切换或静音功能)。

播放界面介绍

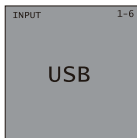
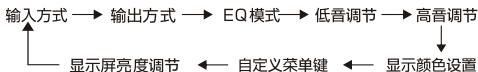
初次使用机器, 长按功能按键
开启设备进入播放界面



- ① 显示采样率
注: 当启用静音时此处显示MUTING.
- ② 显示输入源
- ③ 此处显示音箱模式和耳机模式, 当使用前置耳机口时显示 🎧, 用音箱播放时显示 📢。
- ④ 音量大小显示
设备具有断电记忆音量大小功能, 当上一次播放音乐的音量大于18时, 下次使用设备音量会自动降为18。
- ⑤ 显示当前选择播放的EQ模式。
- ⑥ 显示播放格式
当播放DSD格式, 此区域显示DSD。

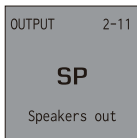
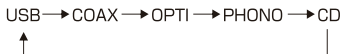
主菜单介绍

A6共有8级菜单,顺序如下:



输入方式菜单

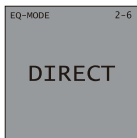
当前显示USB输入的方式进行播放, 顺时针旋转菜单键进行输入方式的切换, 设备共有五种输入方式。



输出方式菜单

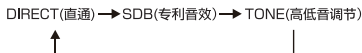
当前显示SP输出方式, 旋动旋钮切换输出方式。设备共有3种输出方式, 解码输出默认打开状态。

SP(喇叭) ↔ HP(耳机)



EQ 模式菜单

设备有三种EQ模式, 分别是直通, SDB, 自定义, 顺时针旋转切换。



EQ手动调节菜单



低音调节

手动调节低音增益(顺逆时针菜单键进行增大或减小)。
调节范围为-9dB~+9dB

注:当高低音的数值被改变时,EQ模式会自动切换到TONE模式



高音调节

手动调节高音增益(顺逆时针菜单键进行增大或减小)。
调节范围为-9dB~+9dB

注:当高低音的数值被改变时,EQ模式会自动切换到TONE模式



字体颜色更改

设备字体共有6种颜色可供选, 旋转菜单按钮进行切换。



自定义功能菜单

这级菜单选择FN按键(短按电源键)的作用:

MUTE: 静音,短按电源键对机器进行静音;

EQ: 音调,短按电源键切换当前的EQ。



亮度调节

当前显示LEVEL1代表设备屏幕亮度为1级,旋动旋钮切换设备屏幕亮度,该设备亮度调节共有6级。

恢复出厂设置

机器在未通电状态下,按住开机键再通电,直到屏幕显示提示语之后,松开按键。

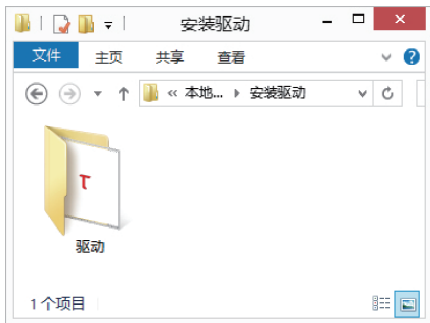
驱动安装说明

一、安装前必读:

本文件只对应使用Windows 7/8/8.1/10的用户
使用Mac OSX的用户无需安装本程序!

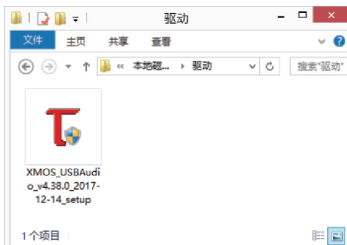
二、安装步骤:

- 1.打开驱动文件夹。

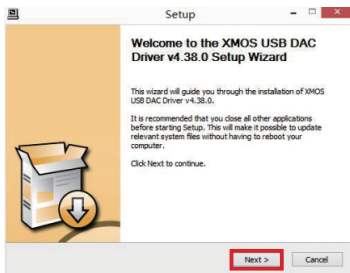


驱动安装说明

2.双击“XMOS_USBAudio_v4.38.0_2017-12-14_setup”应用程序。

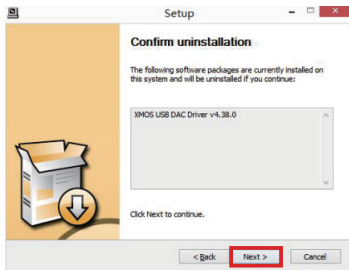


3.点击“Next”进行下一步。

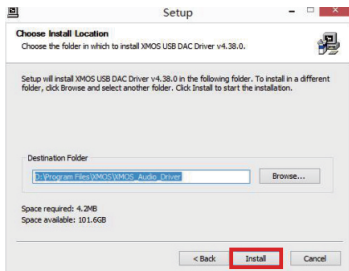


驱动安装说明

4. 点击“Next”进行下一步。

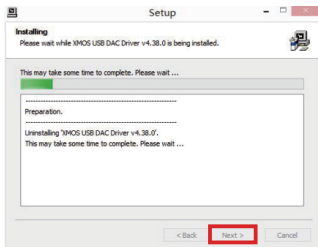


5. 选择安装目录(默认C盘), 单击“Install”进行安装。

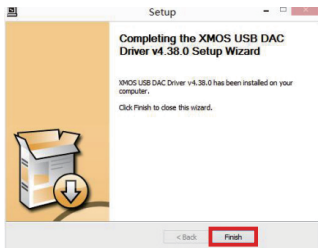


驱动安装说明

6.单击“Next”继续安装。

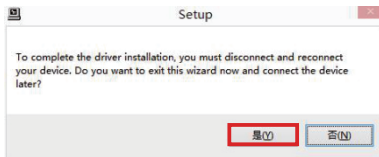


7.程序安装完成, 单击“Finish”。



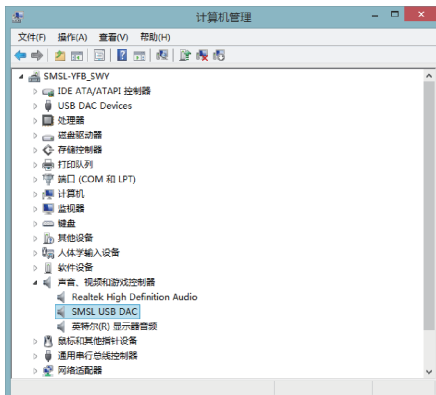
驱动安装说明

8. 安装完成, 单击“是”退出安装。



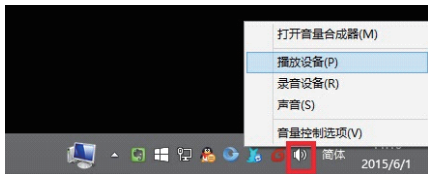
A6 USB驱动安装

完成驱动的安装后, 可以看到“SMSL A6”会出现在“声音设备”中.

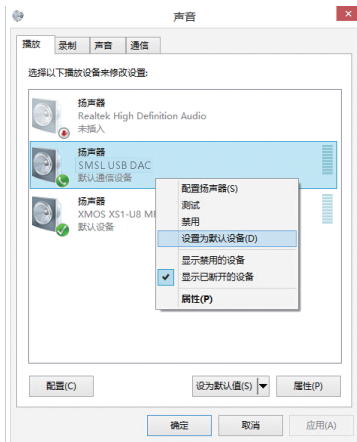


USB使用方法

一. 回到桌面, 右键点击右下角喇叭图标, 并选择“播放设备”



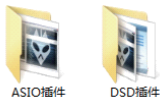
二. 打开了“声音”, 并将“SMSL USB DAC”设置为默认设备,
至些SMSL A6已经成为了Windows的默认音频设备, Windows的
所有声音将会从 SMSL A6中发出!



A6 DSD格式播放说明

一.安装前必读:

- 本驱动为网络上共享资源, 版权归作者所有!
- 使用Foobar2000播放DSD格式文件需要用到下面两个插件, 这两个插件在光盘中有提供.

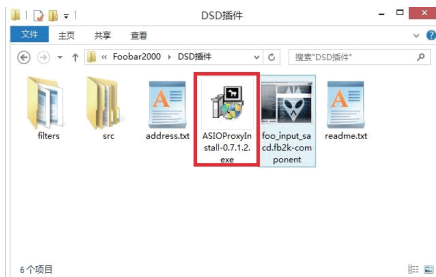


- 在安装完Foobar2000后, 插件方可以被识别为Foobar样式!
- 本文件只对应使用Windows XP/7/8/8.1/10的用户!
- 使用Mac OS X的用户无需安装本程序!

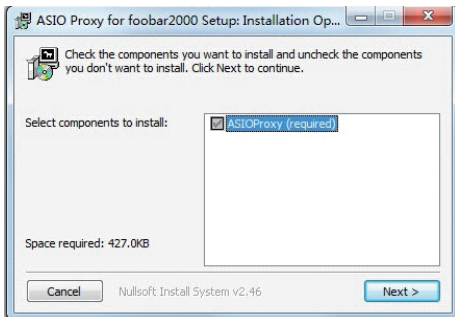
二.安装步骤:

安装DSD插件

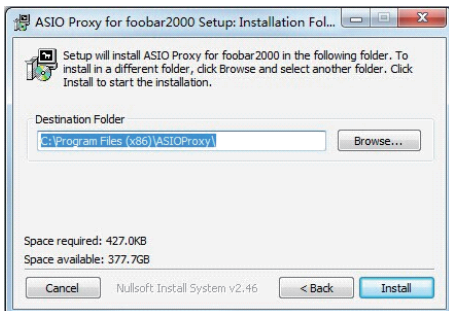
1. 在"DSD插件"文件夹中双击"ASIOProxyInstall-0.7.1.2.exe", 打开安装.



A6 DSD格式播放说明

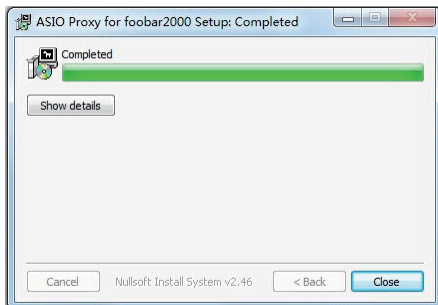


3. “Browse...”选择安装路径(使用默认),再选择“Install”



A6 DSD格式播放说明

4. 安装完成,选择“Close”

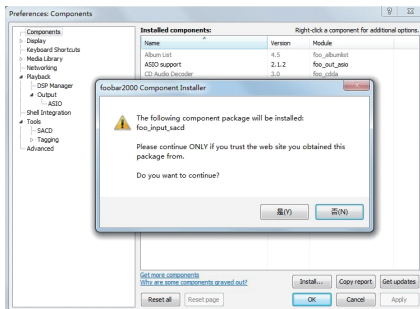


三.安装 SACD 插件:

在DSD插件文件夹中双击“foo_input_sacd.fb2k-component”→单击“是(Y)”→单击“OK”.
另外, foo_out_asio、WASAPI等插件使用同样的安装方式,更多插件请到Foobar2000
官网下载:<http://www.foobar2000.org/download>

2.下图中点“NEXT”;

A6 DSD格式播放说明

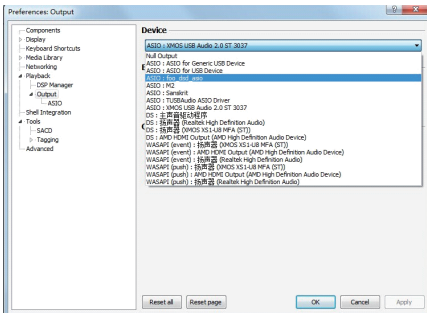


四.DSD播放设置:

注意:

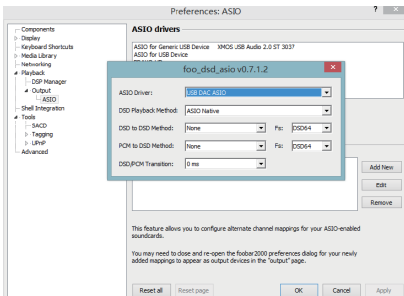
播放时请将系统音量设置为最大,否则会影响DSD信号输出!

1. 打开Foobar2000, 找到"Files→Preference→Playback→Output→Device" 设置为"ASIO : foo_dsd_asio"

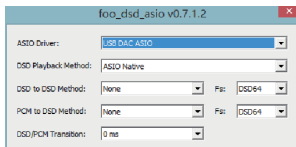


A6 DSD格式播放说明

2. 找到“Files→Preference→Playback→Output→ASIO→ASIO device”双击
“foo_dsd_asio”

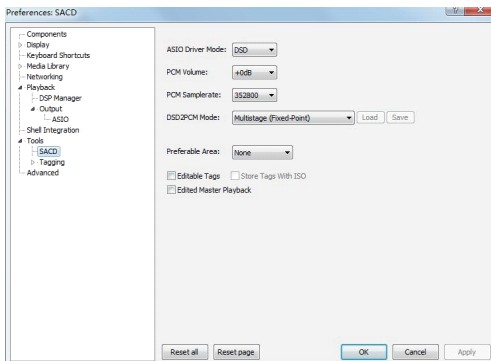


注:foo_dsd_asio的设置: 设备根据机型的不同, 选择不同的方式, 具体如下:



A6 DSD格式播放说明

3. 在 Files→Preference→Tools→SACD 中将 “ASIO Driver Mode” 设置为 “DSD”，其它设置按照下图。



保修条款

一、服务期限

深圳市双木三林电子有限公司承诺产品的美好品质,产品自售出之日7天内正常使用情况下出现故障,客户可以选择退货或者保修(不影响二次销售才可以退货)。正常使用一年内出现故障可以免费保修。

二、购买日期以销售商开出的购机发票或收据日期为准,网购可以以交易截图为准。

三、有以下情况都不能享受“三包”服务

- (1).一切人为因素损坏,包括非正常工作环境下使用或不按照说明书使用;
- (2).用户私自拆机、改装、维修;
- (3).使用非指定或许可的配件造成损坏的;
- (4).机身的QC或保修贴损毁;
- (5).不能出示有效购机凭证;
- (6).不属于本公司产品;

四、保修方式为送修

此条款仅适用于中国大陆,其他地区请参考当地销售代理商的规定和国家法规。

S.M.S.L[®]



FC CE

<http://smsl-audio.com>

**CAUTION:**

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
--

warning

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding.type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Features:

- A6 uses ICEPOWER 50AS*2 SE amplifier module which get big power output and ultra-low distortion from B&O company in denmark.
- 2nd generation of XMOS USB audio solution xCore200, PCM sampling rate supported up to 32bit/768kHz and DSD up to DSD512.
- Tone control with very good sounding NJW1194V.
- Well selecting the latest AK4452 chip as audio decoding chip from AKM company.
- Built-in SDB sound which patented belongs to S.M.S.L (SMSL Dynamic Bass).
- Built-in mm phono stage amplifier.
- LCD TFT display,with dimming control.

SDB :

SDB sound which patented belongs to S.M.S.L,it improves the fidelity of sound.For the best sound effects,SDB is not only improve BASS,but also will adjust dynamic for bass and treble according to input source.

Note:

Firmware and driver download:

<http://www.smsl-audio.com/cn/download.asp>

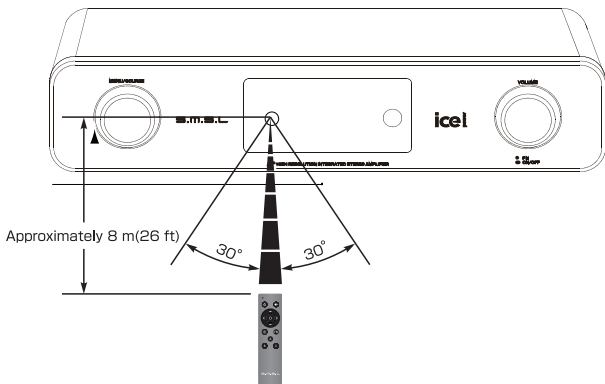
Specifications

- Input: USB/Optical/Coaxial/Anglog
- THD+N: DAC out 0.0005%
 Headphone 0.004%
 Speak out 0.0025%
- Dynamic Range: 114dB
- SNR: DAC out 100dB
 Headphone 93dB
 speak out 117dB
- USB transfer mode: Asynchronous compatible
- USB compatibility: Windows 7/8/8.1/10;
 Mac OSX10.6以上;
 Linux;
- Bit width: USB 1bit ~ 32bit,
 Optical,Coaxial 16bit ~ 24bit
- Sampling rate: USB PCM: 44.1 ~ 768kHz
 DSD: 2.8224 ~ 22.5792MHz,
 Optical,Coaxial 44.1KHz ~ 192KHz
- Headphone power: 112mW(32Ω)
- Speaker output : 50W x 2(4Ω)
 (1KHz @10%THD) 30W x 2(8Ω)
- DAC Output level : 2Vrms
- Power consumption: 45W
- Standby Power: 3.6W
- Size 215x45x198(WxHxD)
- Weight 1.58kg

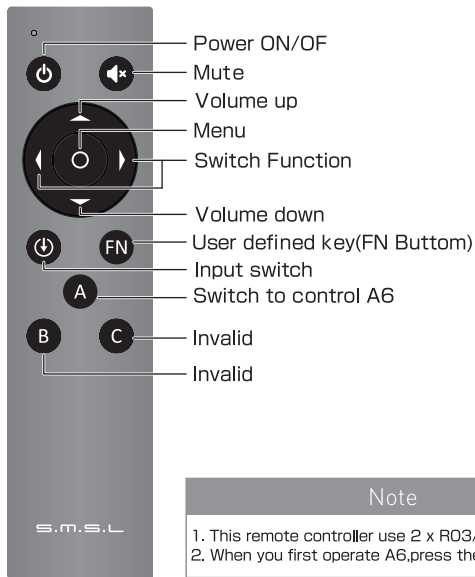
Remote controller

- 1 Insert the specified batteries in the remote control.
- 2 Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- 3 Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.

Operating range of the remote control



Remote controller:



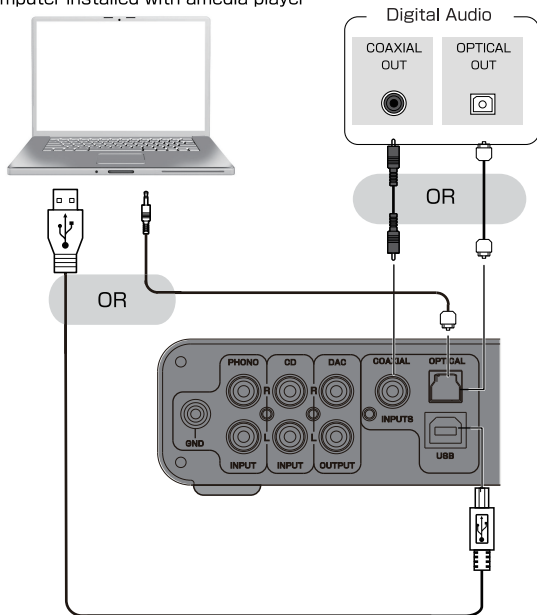
Note

1. This remote controller use 2 x R03/AAA batteries;
2. When you first operate A6,press the A key first

Input connection

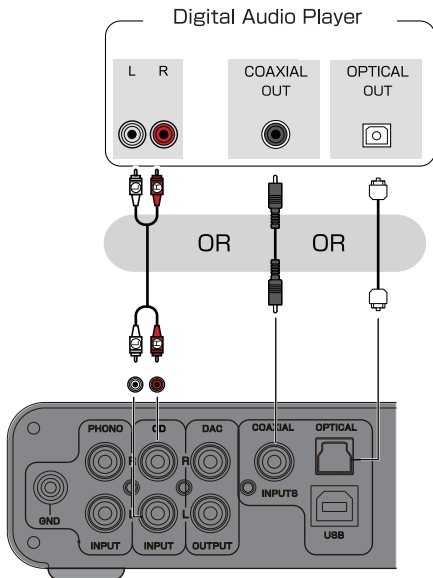
Computer /digital media player

Computer installed with amedia player



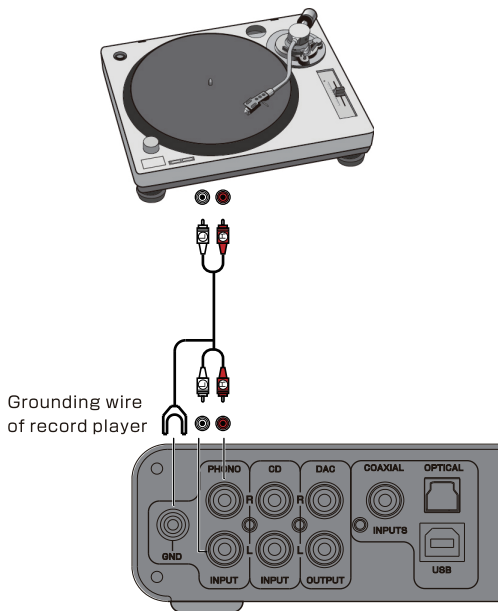
Input connection

CD/DVD/BD Player



Input connection

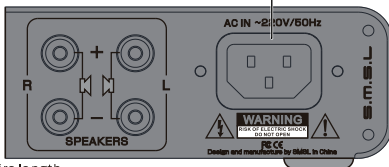
Turntable connection



Power supply and speaker wire connection



socket with grounding



Bare wire length



1. Rotary screw cap.



2. Side insert speaker cable



3. lock the speaker cable



Bare wire is too long, cause a short-circuit.



Using the Banana plugs

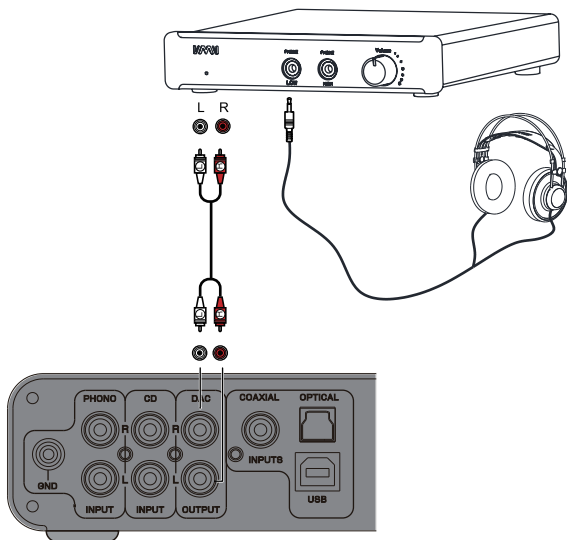


DAC Output

NOTE:

The input jack can connect with amplifier, headphone amplifier and active speaker.

(Headphone amplifier)



OPERATION:

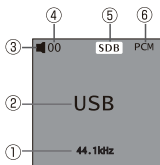


A. Menu key and function key: Short-press into menu item. Revolving knob clockwise into function-switching.

B. Volume knob and user-defined function key: Clockwise revolving the knob - volume up. Counter-clockwise revolving knob - volume down. Long press - Power on/off. Short press - User-defined function (EQ switch or Mute)

Display screen illustration

Please long-press function key when you boot this unit first time. Power on machine into display screen (figure 1).



① Sampling rate

Note: When the machine is muted. There will show "MUTING"

② Input source

③ Speaker mode or headphone mode. When headphone is playing with it, it shows . When speaker is playing with it, it shows .

④ Volume

A6 featured with function of memorizing volume even machine power off. If volume was up to 18 in last time usage, initial volume will set as low as 18 when you restart it.

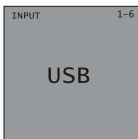
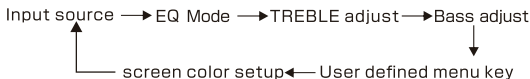
⑤ EQ mode you are playing.

⑥ Music file type you are playing.

It will show "DSD" when play with DSD file.

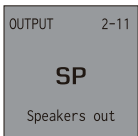
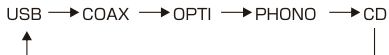
Main Menu Introduction

Short press MENU key into A6 menu option



Input source MENU

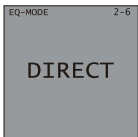
When it shows USB input, revolving MENU knob to select input source.



Output mode menu

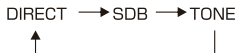
Select between speaker and headphone, the DAC OUT is always on!

SP(speaker) ↔ HP(Headphone)



EQ mode MENU

Totally 3 EQ modes. They are DIRECT, S, Revolving knob clockwise to switch EQ mode.



EQ manual operation MENU

**BASS**

Adjust the BASS level, the adjust range is:
-9dB ~ +9dB

**TREBLE**

Adjust the Treble level, the adjust range is:
-9dB ~ +9dB

**Font color change**

there are six kinds of color for selection. Easily changing color by revolving menu knob.

**FN Button**

This setting define the function of FN button

MUTE: Set to this the FN Button means MUTE.

EQ: Set to this the FN Button means
EQ mode selection.



Dimmer setting

This unit get 6 different dimmer level,turning the knob to set it.

Factory setting

Pressing and hold the power button before the unit is electrified, and then power it on and release button until screen shows letters.

Drive installation

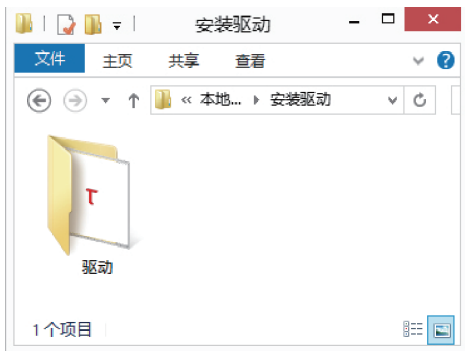
Note:

This Windows 7/8/8.1/10

If use A6 for Mac OS, there is not need to install any driver.

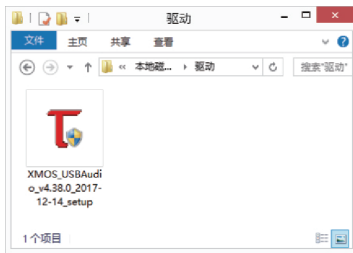
Installation steps:

1. Open the driver folder

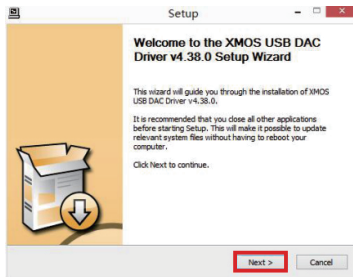


Drive installation

2.Double-click“XMOS_USBAudio_v4.38.0_2017-12-14_setup” application program.

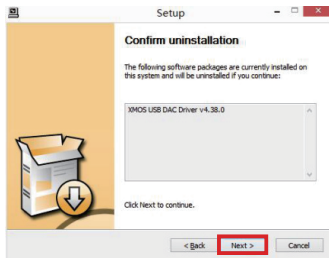


3.Click “Next” for the next step.

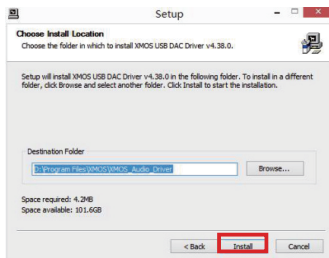


Drive installation

4.Click “Next” for the next step.

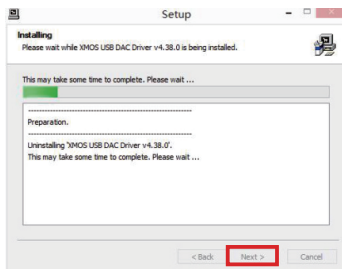


5.Choose the installation directory (the default C), click the“Install”installation.

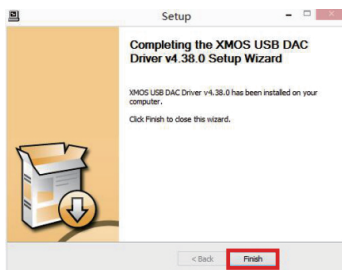


Drive installation

6.Click “Next” to continue installation.

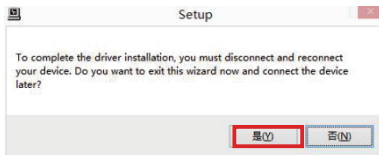


7.The program is installed and click “Finish”.



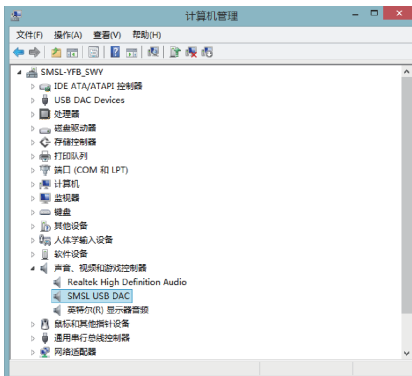
Drive installation

8.Installation is complete, and click “Yse”to exit the installation.



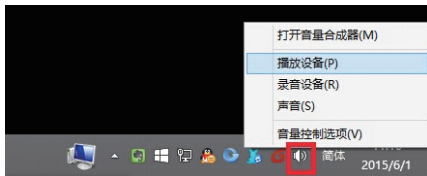
A6 USB driver installation

6.“SMSL A6” will listed in “sound device”



USB usage:

1. Back to home page, right-click on speaker icon on right bottom.
Selected " playback device"

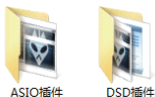


2. Open "SOUND", Setting "SMSL USB DAC" as default device. After that, SMSL A6 will be as default audio device for windows, all sound output from windows will be amplified from SMSL A6.



1. Installation instruction:

- This driver is network shareware, rights belong to owner!
Using foobar2000 play DSD format files need following two plug-in. The two plug-in are provided in disk.

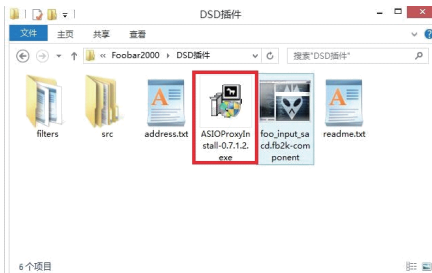


- After installing foobar2000, the icon of components will become foobar style.
- This instruction is only suitable for Windows XP/7/8/8.1/10 users.
- Mac OS X users needn't install this driver.

2. Installation steps:

Install DSD plug-in

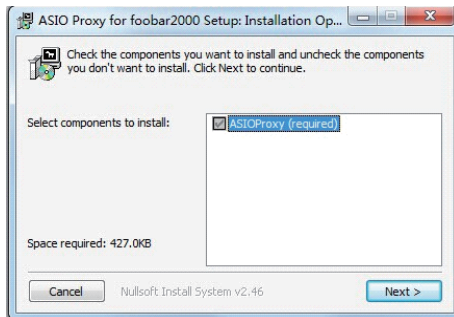
1. Double click "ASIOProxyInstall-0.7.1.2.exe" under "DSD plug-in" folder, and then install it.



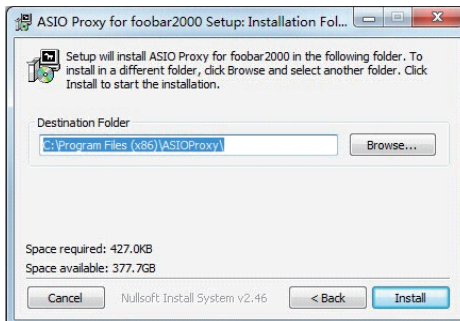
A6 DSD Player

2. Installation steps:

2. Click "NEXT";

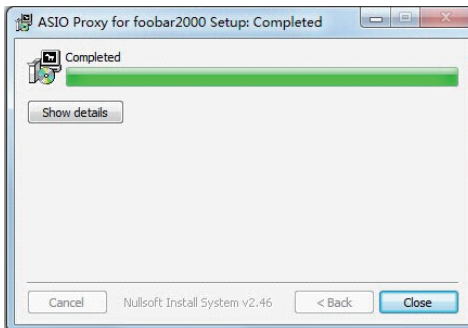


3. Select installation route(using default route), and click "Install"



A6 DSD Player

4. Installation finished, choose "Close"



- Install SACD Plug-in

Double click "foo_input_sacd.fb2k-component" from DSD plug-in folder

→single click "Y"

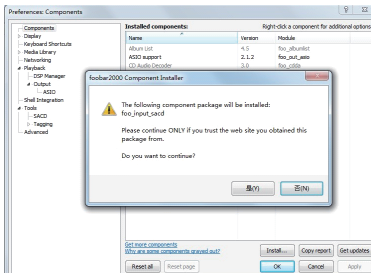
→single click "OK".

Other plug-ins like "foo_out_asio""WASAP" can be installed by same way.

More Plug-in download from foobar2000 official website:

<http://www.foobar2000.org/download>

A6 DSD Player

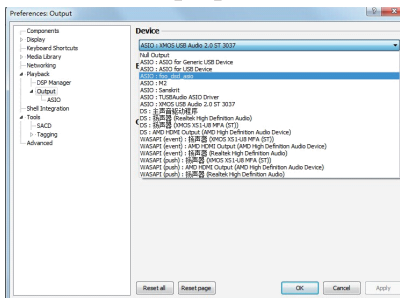


3. DSD playback settings:

NOTE

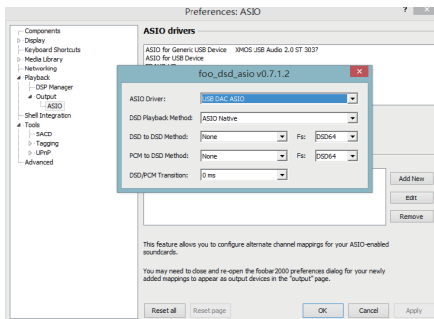
Please set the system volume to MAX when playing DSD Music.

1. Open Foobar2000, and find out "Files→Preference→Playback→Output →Device" Set as "ASIO : foo_dsd_asio"

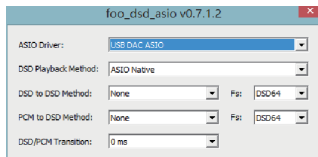


A6 DSD Player

2. Find out“Files→Preference→Playback→Output→ASIO→ASIO device”
Double click“foo_dsd_asio”

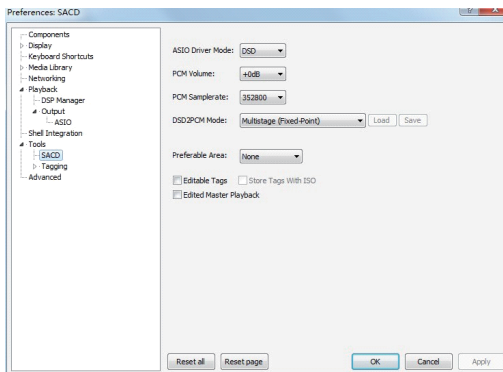


注:According to different device model,you need to choose different method.like below shows:



A6 DSD Player

3.Files→Preference→Tools→SACD ,Set DSD under “ASIO Driver Mode”other settings check below picture.



Warranty terms

(1). The term of service

Shenzhen ShuangMuSanlinElectronics Co.,LTD promise good quality products.if product is defective unit by normal use within 7 days after purchasing. the customer can choose to return or repair warranty (does not affect the secondary sales after they can return) Faulty for free within one year warranty normal use.

(2). Date of purchase is in accordance with invoice date or receipt date issued by seller, online shopping can cut trade shots.

(3). Following situation can not enjoy "ThreeGuarantees" service:

- a. All damagesby human factors, including use it under non-normal workingenvironmentthe and not follow manual instructions.
- b. User privately disassemble, modification, maintenance;
- c. Use non-designated or approved accessories cause damage;
- d. QC or warranty stickers damage on cabinet;
- e. Can not provide a valid purchasing prove;
- f. Not belong to SMSL products.

(4). How to warranty

This termis only suitable for china mainland , other region please refer to the policy of the local sales agents and national regulations.