

S.M.S.L



M300

使用说明书

<http://www.smsl-audio.com/>

提示

- 请将本音响系统安装在通风良好、阴凉、干燥、干净的位置，远离直射阳光热源、振动、灰尘、潮湿或寒冷。
- 本机的上面，请不要放置下列物品：
 - 其他装置。因为这样有可能导致损坏或导致本机表面变色。
 - 可燃物品（例如蜡烛）。因为这样有可能导致火灾而损坏本机或造成人身伤害。
 - 装有液体的容器。因为有可能容器反倒，液体流淌的可能，如此有可能导致用户触电或损坏本机。
- 不要在本机上面覆盖报纸，台布，窗帘等，以免妨碍散热。如果本机内部温度过高，则有可能导致火灾，损坏本机或造成人身伤害。
在使用开关，旋钮或缆线时，不要用力过猛。
- 只能使用本机指定的电压。使用高于指定数值的电压很危险，而且可能导致火灾，损坏本机或造成人身伤害。对于使用高于指定电压造成的任何损害双木三林将不负任何责任。
- 不要试图自行改造或修理本机。如果需要任何服务，请就近与有资格的双木三林维修人员联系。不管有任何理由，都没有打开机壳的必要。
- 如果打算长时间不使用本机（比如度假时），请从墙壁交流电源插座上断开电源线的连接。
- 为了加强对于本产品的保护，在雷电期间，或无人管理时以及长时间不使用时，请将电源线从墙壁上的电源插座上拔下。这样将防止该产品在闪电和电网出现电涌时受到损害。

重要提示：

本说明书所提到的产品规格和资讯仅供参考。如有内容更新，恕不另行通知。

产品特点

- 全新系列的外观设计，配合钢化玻璃面板，兼具高档感和耐用！
- DAC使用AKM公司的旗舰音频解码芯片AK4497，配合精心设计的电路，使其性能达到前所未有的0.00015% (-116dB) 的失真度！
- 第二代 XMOS方案，PCM采样率最高支持32bit/768kHz,DSD支持到DSD512，独家定制支持Native DSD的驱动程序。
- 蓝牙5.0数字音频输入，支持APT-X，外置天线，传输距离更远。
- 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。
- 内置高效率电源模块为解码器提供充足能量，并使用了多组低噪声LDO供电。
- 使用大量的音频专用发烧级电阻电容。
- 使用1.54”高分辨全视角彩色IPS显示屏，并可以选择显示颜色。
- 全平衡设计，并具备真正平衡输出。
- 具备多种数字滤波模式和音色选择。
- 配备全功能遥控，并具有前级功能。
- 全铝合金CNC精密加工机壳有效减少干扰。

技术参数

输入接口	USB、光纤、同轴、蓝牙
输出电平.....	RCA 2.1 Vrms XLR 4.2 Vrms
THD+N(不计权).....	0.00015% (-116dB)
动态范围(不计权).....	RCA 120dB XLR 123dB
信噪比(不计权).....	116dB
蓝牙规格.....	BT 5.0 (支持APT-X , SBC)
USB传输方式.....	异步传输
USB兼容性.....	Windows 7 / 8 / 8.1 / 10 Mac OS X10.6以上、Linux
位深	
USB	1bit ~ 32bit
光纤/同轴.....	16bit ~ 24bit
采样率	
USB.....	44.1kHz~768kHz DSD64, DSD128, DSD256, DSD512
光纤/同轴	32~192kHz
消耗功率.....	3W
待机功耗.....	<0.1W
体积.....	70x73x165mm (WxHxD)
重量.....	0.5Kg



关于遥控器

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

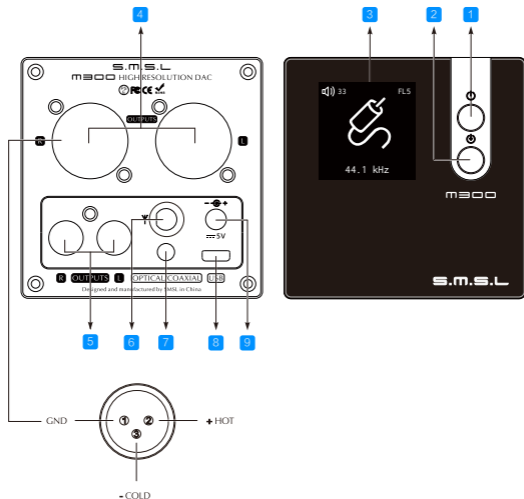
遥控器的使用



注意

1. 遥控器请使用2节7号(AAA)电池
2. 第一次操作M300时，先按 C 键

显示界面和操作介绍



- | | |
|------------------|----------------|
| 1 电源按键(长按为音量+) | 6 蓝牙天线 |
| 2 输入选择按键(长按为音量-) | 7 3.5mm光纤/同轴输入 |
| 3 显示屏 | 8 USB输入 |
| 4 平衡输出 | 9 电源输入(DC5V) |
| 5 单端输出 | |

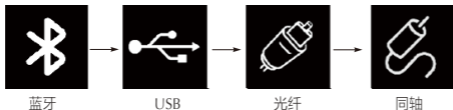
操作说明

1. 电源

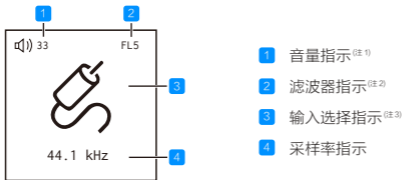
- 电源按键: 短按一下开机, 再短按一下关机, 长按为音量递增。

2. 输入选择

- 输入选择按键: 每按一下, 输入在蓝牙、USB、光纤、同轴之间切换, 长按为音量递减。



3. 显示内容说明



注1 当输出音量设置为非前级模式时显示音量数值 Fixed

注2 当播放音频格式为PCM时显示PCM滤波器。
当播放音频格式为DSD时显示DSD滤波器。

注3 当播放歌曲采样率大于 88.2KHz时显示
当播放歌曲为DSD格式时显示 **DSD**

操作说明

SETUP MENU

Input

PCM Filter

DSD Filter

PRE mode

Sound Color

High Sound

Font Color

BT Clear

INPUT SETTING

Bluetooth

USB Audio

Optical

Coaxial

PCM FILTER

Sharp

Slow

Short Sharp

Short Slow

Super Slow

LD Short

有8页的设置，屏幕如下图所示。

- INPUT (输入选择)
- PCM Filter (PCM滤波器)
- DSD Filter (DSD滤波器)
- PRE mode (前级模式)
- Sound Color (音色)
- High Sound (高音质)
- Font Color (字体颜色)
- BT Clear (蓝牙清除)

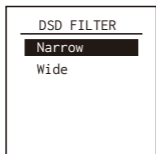
输入菜单

- Bluetooth (蓝牙输入)
- USB Audio (USB音频输入)
- Optical (光纤数字输入)
- Coaxial (同轴数字输入)

6种PCM滤波器设定分别为：

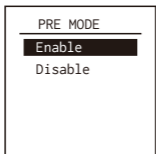
- FL1 (Sharp 陡峭滚降)
- FL2 (Slow 缓慢滚降)
- FL3 (Short sharp 短延时陡峭滚降)
- FL4 (Short Slow 短延时缓慢滚降)
- FL5 (Super Slow 超低延时缓慢滚降)
- FL6 (LD Short 短延时)

操作说明



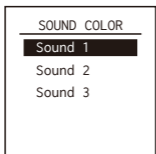
2种DSD滤波器设定分别为：

- Narrow (较窄频响范围)
- Wide (较宽频响范围)



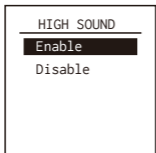
音量锁定菜单

- Enable (前级模式打开, 音量可调)
- Disable (前级模式关闭, 音量固定最大)



3种音色设定分别为：

- Sound 1 (音色 1)
- Sound 2 (音色 2)
- Sound 3 (音色 3)



高音质设定分别为：

- Enable (使用)
- Disable (不使用)



操作说明

FONT COLOR

White

Red

Green

Blue

Yellow

Cyan

Orange

Purple

8种字体颜色设定分别为:

- White (白色)
- Red (红色)
- Green (绿色)
- Blue (蓝色)
- Yellow (黄色)
- Cyan (青色)
- Orange (橙色)
- Purple (紫色)

BT list clear

Turn to clear

蓝牙清除菜单:

- BT Cleared! (蓝牙设备已清除)
- Turn to Clear
(按遥控器上下键以清除当前蓝牙配对设备)

蓝牙使用方法:

- 1. 连接:** 将输入源切换至蓝牙, 打开手机蓝牙功能, 搜索 "SMSL BT5.0B", 搜索到后点击连接, 当手机显示"已连接"则已连接成功;
- 2. 清除:** 当蓝牙连接了其它设备或者无法连接时, 尝试移除掉蓝牙当前的连接设备, 进入"BT clear"的菜单, 按遥控器上的"上"或"下"按键以清除蓝牙连接设备. 此时再使用你要连接的手机进行连接. 如果当前输入不是蓝牙, 此设置无效, 操作是会显示 "It's not BT! (这不是蓝牙!)", 请切换至蓝牙后重试!
- 3. 重新连接:** 当超出传输距离或者连接中断后, 可以长按遥控器上的输入源按键进行重新连接!

恢复出厂设置

机器在未通电状态下，按住开机键再通电，直到显示屏显示文字之后，松开按键。

保修条款

一、服务期限

佛山双木三林科技有限公司承诺产品的良好品质，产品自售出之后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，网购可以交易截图为准。

三、有以下情况都不能享受“三包”服务

- 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；
- 用户私自拆机、改装、维修；
- 使用非指定或许可的配件造成损坏的；
- 机身的QC或保修贴损毁；
- 不能出示有效购机凭证；
- 不属于本公司产品。

四、保修方式为送修

此条款只适于中国大陆，其它地区请参考当地销售代理商的规定和国家法规。

S.M.S.L



M300

USER MANUAL

<http://www.smsl-audio.com/>

TIPS

- Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, or cold.
- On the top of this unit, do NOT place:
 - Other components, as they may cause damage or discoloration on the surface of this unit.
 - Combustible (i.e. candles) , as they may cause fire , damage to this unit , or personal injury.
 - Containers with liquid in them, as they may fall and the liquid may cause electrical shock to the user or damage to this unit.
- Do not cover this unit with a newspaper, tablecloth, curtain , etc. In order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, or personal injury.
- Use the voltage specified on this unit Only. Using this unit with a higher voltage than specified is dangerous and may cause fire , damage to this unit, or personal injury. SMSL will not be held responsible for any damage resulting from the use of this unit with a voltage other than that specified.
- Do not attempt to modify or fix this unit by yourself. Contact qualified SMSL service personnel when any service is needed. The cabinet should never be opened for any reason.
- When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect the power cable from the AC wall outlet.
- For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Important note:

The product specifications and information mentioned in this manual are for reference only. The content of this manual is subject to change without notice.

Features

- New series ID design, with glass panel, stylish and long-lived.
- The unit uses AKM's flagship DAC chip the AK4497, with a well-designed circuit that delivers an unprecedented 0.00015% (-116dB) distortion!
- The 2nd XMOSS solution, PCM supports up to 32bit/768kHz, and DSD supports up to DSD512, custom driver for Native DSD .
- Bluetooth 5.0 digital audio input, support APT-X, external antenna, transmission distance is farther.
- Two ultra-low phase noise crystal for 44.1/48kHz multiple frequencies.
- Built-in high-efficiency power module and lots of low-noise LDOs provides pure power for analog circuit .
- Lots of audio grade components, include low-noise resistors, Hi-End OPAs, Gold-plated jacks.
- Use a 1.54-inch high-resolution full-view color IPS display, and user can choose the color of fonts.
- Full balanced design and high quality balanced output.
- A variety of digital filtering modes and sound color mode selection.
- Equipped with full-featured remote control and pre amp mode.
- Full aluminum CNC milling chassis.

Specification

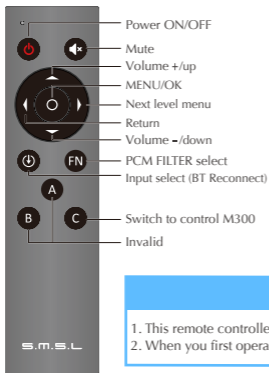
Inputs	USB / Optical / Coaxial / Bluetooth
Output Level.....	RCA 2.1Vrms
	XLR 4.2Vrms
THD+N(UN-WTD).....	0.00015% (-116dB)
Dynamic range (UN-WTD).....	RCA 120dB
	XLR 123dB
SNR (UN-WTD).....	116dB
Bluetooth	BT 5.0 (support APT-X , SBC)
USB transmission	Asynchronous
USB compatibility	Windows 7 / 8 / 8.1 / 10
	Mac OS X10.6 or Later / Linux
Bit depth	
USB	1bit ~ 32bit
Optical/coaxial	16bit ~ 24bit
Sampling rate:	
USB	44.1 ~ 768kHz
	DSD64, DSD128, DSD256, DSD512
Optical/coaxial	32 ~ 192kHz
Power Consumption	3W
Standby power	<0.1W
Size	70x73x165mm (WxHxD)
Weight	0.5Kg



Remote Control

- Install 2 x AAA batteries as instructions.
- When using the remote control, point it toward the remote control signal receiver on the main unit from a distance of 5 m (16 ft) or less. Do not place obstructions between the main unit and the remote control.
- The remote control might not work if the remote control signal receiver on the unit is exposed to direct sunlight or bright light. If this occurs, try moving the unit. Beware that use of this remote control could cause the unintentional operation of other devices that can be controlled by infra.

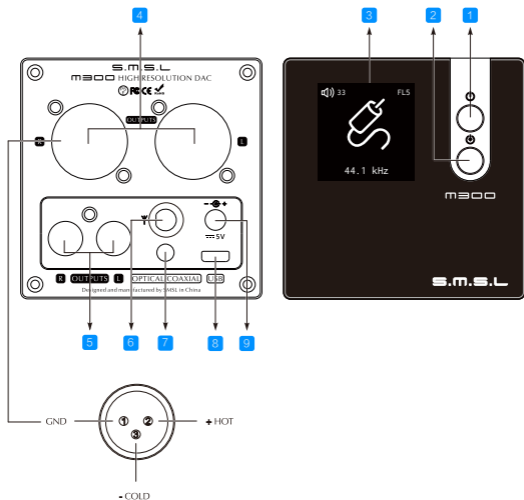
Operating the remote control



Note

1. This remote controller use 2 x R03/AAA batteries.
2. When you first operate M300, press the C. key first.

Interface



- | | |
|--|--|
| 1 Power switching button(Hold for VOL+) | 6 Bluetooth antenna |
| 2 Input button(Hold for VOL-) | 7 3.5mm Coaxial / Optical input |
| 3 Display | 8 USB input |
| 4 Balanced output | 9 Power Supply(DC5V) |
| 5 RCA output | |

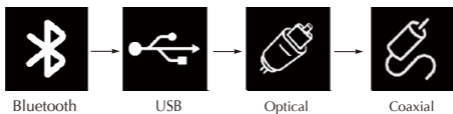
Operations

1. POWER

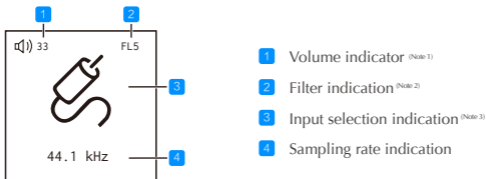
- Power button: Short press to turn on the power, then short press to turn off the power. Hold is the volume up.

2. INPUT SELECTION

- Input selection button: Every time you press , the input will switch between Bluetooth , USB , Optical , Coaxial. Hold is the volume down .



3. DISPLAY DESCRIPTION



Note 1: When the output volume is set to a fixed volume mode display: Fixed

Note 2: Display PCM filter when playing audio format is PCM .

Display DSD filter when the playback audio format is DSD .

Note 3: Display when the playback song sampling rate is higher than 88.2KHz .
Display DSD when playing a song is **DSD** format .

Operations

SETUP MENU

Input

PCM Filter

DSD Filter

PRE mode

Sound Color

High Sound

Font Color

BT Clear

There are 8 pages of settings in this menu.

- INPUT
- PCM Filter
- DSD Filter
- PRE mode
- Sound Color
- High Sound
- Font Color
- BT Clear

INPUT SETTING

Bluetooth

USB Audio

Optical

Coaxial

Input menu:

- Bluetooth
- USB Audio
- Optical
- Coaxial

PCM FILTER

Sharp

Slow

Short Sharp

Short Slow

Super Slow

LD Short

PCM FILTER:

- FL1 (Sharp)
- FL2 (Slow)
- FL3 (Short sharp)
- FL4 (Short Slow)
- FL5 (Super Slow)
- FL6 (LD Short)

Operations

DSD FILTER

Narrow

Wide

DSD FILTER:

- Narrow
- Wide

PRE MODE

Enable

Disable

PRE MODE:

- Enable
- Disable

SOUND COLOR

Sound 1

Sound 2

Sound 3

SOUND COLOR:

- Sound 1
- Sound 2
- Sound 3

HIGH SOUND

Enable

Disable

HIGH SOUND:

- Enable
- Disable

Operations

FONT COLOR

White

Red

Green

Blue

Yellow

Cyan

Orange

Purple

FONT COLOR:

- White
- Red
- Green
- Blue
- Yellow
- Cyan
- Orange
- Purple

BT list clear

Turn to clear

BT Clear menu:

- BT Cleared! (The paired device was cleared!)
- Turn to Clear
(Press the "up" or "down" buttons of the remote control to clear paired device.)

How to use Bluetooth:

1. Connection: switch the input source to Bluetooth, turn on the Bluetooth function of the mobile phone, search "**SMSL BT5.0B**", and click Connect after searching. When the mobile phone displays "connected", the connection is successful;

2. Clear: When Bluetooth is connected to other devices or cannot be connected, try to remove the currently connected device list of Bluetooth, enter the menu of BT clear, press the "up" or "down" button on the remote control to clear the Bluetooth connected device list. At this time, please use the mobile phone you want to connect to connect again. If the current input is not Bluetooth, this setting is invalid, and the operation will display "it's not BT!", please switch to Bluetooth and try again!

3. Reconnect: when the transmission distance is exceeded or the connection is interrupted, hold the input source button on the remote control to reconnect!

Factory Reset

Connect the power cord when pressing the power button, until screen shows text.

Warranty Terms

1.The Term of Service

Foshan Shuangmusanlin Technology Co., Ltd promises to offer good-quality products. If the product is broken in 7 days after purchasing when you use it normally, you can choose to send it back for return, replacement or repairing (only the product does not affect the second sales can be returned). Repairing for free in one year if you use it normally.

2.Date of purchase is in accordance with the date on invoice or receipt used by seller, and if you buy it on line, you can show the screenshot of trade.

3.If an inappropriate usage causes the unit damaged, the warranty will be void. As below.

- All damages by inappropriate use, including using it under non-normal working environment or without following the instructions.
- Dismantling, refitting, repairing by user in private.
- Causing damage by using some fittings instead of the designative or accredited ones.
- Cannot provide credible proof of purchase.

4.Sending it back to our company for repairing.

5.Contact your S.M.S.L Audio reseller for a return or replacement.