

VMM

P2 MK2



使用说明书 | USER MANUAL

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

本说明书的内容可能会随版本更改, 如有变动, 恕不另行通知

The contents of this manual may be changed with the edition, and are subject to change without notice.

Ver 1.0

特点

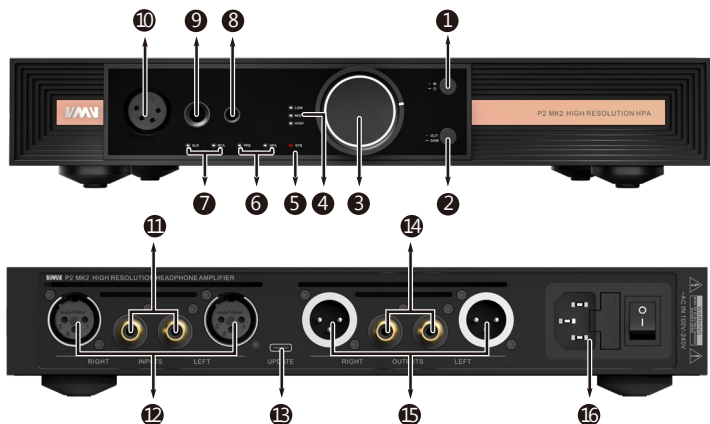
- 内置大功率高效率低噪声氮化镓开关电源;
- 全平衡设计, 4路超低失真精密线性反馈电路(PLFC)!
- 失真度低至0.00006%, 信噪比高达135dB!
- 一共使用99片低噪声运放并联设计;
- 高输出功率, 16欧姆输出功率达14W, 32欧时达到8W;
- 特别设计的音量电位器, 大大降低通道偏差;
- 高中低三档可切换增益控制, 低增益专门为IEM优化;
- 前级输出功能, 可以作为Hi-End前级使用;
- 超紧凑设计, 非常适合桌面耳机系统;
- 高精度低温漂电阻, 性能不受温度影响;
- 高品质继电器和无冲击声设计;
- 20Hz至100KHz(-0.5dB)频率响应;
- 耳机放大器具有直流, 过压, 过载保护等全面保护;
- 带USB接口升级功能

技术参数

输入方式	平衡 x1 ,非平衡 x1
耳放输出方式	4.4mm平衡x1, XLR平衡 x1, 6.35mm单端 x1
前级输出方式	平衡x1 , 非平衡x1
耳放输出功率:	
平衡接口:	14W×2(16Ω)
.....	8W×2(32Ω)
.....	1W×2(300Ω)
.....	500mW×2(600Ω)
非平衡接口:	4W×2(16Ω)
.....	2W×2(32Ω)
.....	300mW×2(300Ω)
.....	150mW×2(600Ω)
信噪比	135dB
动态范围.....	135dB
THD+N.....	-123dB, 0.00006% (1kHz, 32 Ω)
输入阻抗.....	47kΩ
耳放输出阻抗	接近 0 Ω
前级输出阻抗:	
平衡接口:	44Ω
非平衡接口:	22Ω
频率响应.....	20Hz - 100kHz(-0.5dB)
增益:	
非平衡接口:	低(-9dB), 中(0dB), 高(18dB)
平衡接口:	低(-3dB), 中(6dB), 高(24dB)
能量功耗(EN60065)	<100W
体积.....	280x51x235.7mm(WxHxD)
重量.....	3.25kg/7.16lbs

规格时有变更,恕不另行通知。

部件介绍



- | | | |
|------------------------------|----------------------|---------------------|
| 1 输入/待机按键 | 2 输出/增益按键 | 3 旋钮 |
| 4 增益指示灯 | 5 待机指示灯 | 6 输出指示灯 |
| 7 输入指示灯 | 8 4.4mm平衡耳机插座 | 9 6.35mm耳机插座 |
| 10 平衡耳机插座 | 11 RCA输入 | 12 XLR平衡输入 |
| 13 USB接口 | 14 RCA前级输出 | 15 XLR前级输出 |
| 16 电源输入 (100~240V AC) | | |

注:

1. 连接耳机前请调小音量, 以免音量过大损坏耳机, 连接耳机前请关闭电源, 否则会触发耳机保护电路;
2. 根据健康专家的建议, 请勿长时间聆听耳机以免影响听力;

操作介绍

指示灯状态:

- 红色表示待机状态
- 红色闪烁表示系统触发保护

按键操作

输入/待机按键

- 短按切换输入
- 长按待机

输出/增益按键

- 短按切换输出
- 长按切换增益控制

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。



注意
触电危险，
请勿打开。



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。

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。

本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准！

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。

Features

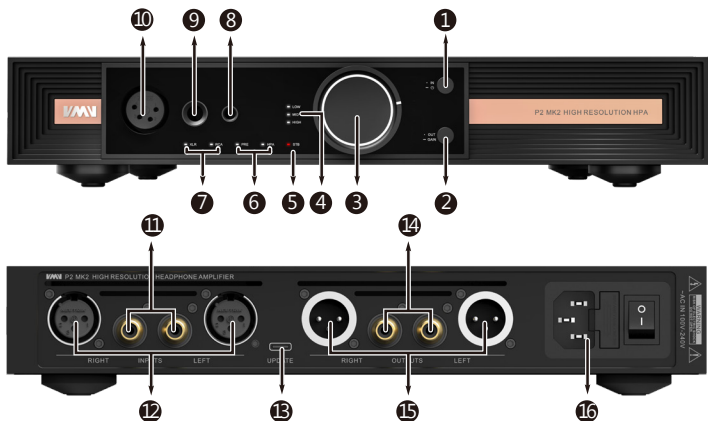
- Built-in high-power, high-efficiency, low-noise GaN switching power supply;
- Fully balanced design, 4 ultra-low distortion precision linear feedback circuit (PLFC)!
- The distortion is as low as 0.00006%, and the SNR is as low as 135dB!
- A total of 99 low-noise op-amps are used in a parallel design.
- High output power, 16 ohm output power up to 14W, 32 ohms up to 8W;
- The specially designed volume potentiometer greatly reduces channel deviation;
- 3 gears gain control, low gain is specially optimized for IEM;
- Pre-out function, can be used as Hi-End pre-amp;
- Ultra-compact design, very suitable for desktop headphone system;
- High-precision low-temperature drift resistance, performance is not affected by temperature;
- High-quality relay and non-impact sound design;
- 20Hz to 100kHz(-0.5dB) frequency response;
- The headphone amplifier has comprehensive protections such as DC, overvoltage, and overload protection;
- With USB port upgrade feature.

Specification

Inputs.....	Balanced x1, Unbalanced x1
Headphone outputs:	
.....	4.4mm Balanced x1, XLR 4 Pin x1, 6.35mm unbalanced x1
Pre-outputs.....	Balanced x1, Unbalanced x1
Headphone amplifier output power:	
Balanced.....	14W×2(16Ω)
.....	8W×2(32Ω)
.....	1W×2(300Ω)
.....	500mW×2(600Ω)
Unbalanced.....	4W×2(16Ω)
.....	2W×2(32Ω)
.....	300mW×2(300Ω)
.....	150mW×2(600Ω)
SNR.....	135dB
Dynamic Range.....	135dB
THD+N.....	-123dB,0.0000
	6%(1kHz, 32 Ω)
Input Impedance.....	47kΩ
AMP output Impedance.....	Near 0 Ω
Pre-output Impedance:	
balanced.....	44Ω
Unbalanced.....	22Ω
Frequency Response.....	20Hz - 100kHz(-0.5dB)
Gain:	
Balanced.....	Low(-3dB), Middle(6dB), High(24dB)
Unbalanced.....	Low(-9dB), Middle(0dB), High(18dB)
Power consumption(EN60065).....	< 100 W
Size.....	280X51X235.7mm(WxHxD)
Weight.....	3.25kg/7.16lbs

Specifications are subject to change without notice.

Functions



- | | | |
|--------------------------------|----------------------------------|---------------------------------|
| 1 Input/Standby Button | 2 Output/Gain Button | 3 Knob |
| 4 Gain Indicator Light | 5 Standby indicator light | 6 Output indicator light |
| 7 Input indicator light | 8 4.4mm headphone jack | 9 6.35mm headphone jack |
| 10 XLR balanced input | 11 RCA input | 12 XLR balanced input |
| 13 USB port | 14 RCA Pre-output | 15 XLR Pre-output |
| 16 AC IN (100V-24V AC) | | |

Note:

- Please turn down the volume before connecting the headphones to avoid excessive volume damage to the headset, Please turn off the power before connecting the headphones, otherwise the headphones protection circuit will be triggered;
- According to the advice of health experts, do not listen to the headphones for a long time so as not affect your hearing.

Operation Introduction

Indicator status :

- Red light for standby mode
- Red flashing light for system protection mode

Button operation

Enter/Standby button

- Short press to switch input
- Long press to standby

Output/Gain Button

- Short press to switch output
- Long press to switch gain control

Safety notes

CAUTION:

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



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



The lightning flash with arrowhead symbol, with in 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.



Safe use only under elevation 2000m.

WARNING:

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

The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail!

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.

