

H400 MK2

使用说明书/USER MANUAL



安全注意事项

- 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。
- 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，我司将不负任何责任。
- 不要试图自行改造或修理本机。如果需要任何服务，请与销售或者我司客服人员联系。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。

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。

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

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。

特点

- 全平衡分立元件设计，超大功率输出。
- 失真度(THD+N)低至0.00006%，信噪比高达132dB!
- 高输出功率，16欧姆输出功率达18W，32欧时达到9W；
- 整机使用了14片OPA1612A运算放大器；
- 使用电子继电器控制音量，杜绝声道偏差现象!
- 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；
- 使用钢化玻璃全贴合彩色IPS显示屏；
- 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；
- 静音电路使用高品质继电器，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；
- 内置大功率特别订制的低噪声氮化镓电源；
- 配备遥控器和全功能遥控。

技术参数

输入方式	平衡, 非平衡
耳放输出方式	4.4mm平衡, XLR平衡, 6.35mm单端
前级输出方式	平衡, 非平衡
输出功率:	
平衡接口	16Ω 18Wx2
32Ω	 9Wx2
300Ω	 1100mWx2
600Ω	 550mWx2
非平衡接口	16Ω 5Wx2
32Ω	 2.5Wx2
300Ω	 260mWx2
600Ω	 130mWx2
信噪比	132dB
动态范围	132dB
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:	
平衡接口	低(-5.5dB), 中(6dB), 高(19.6dB)
非平衡接口	低(-11.5dB), 中(0dB), 高(13.6dB)
能量功耗(EN60065)	<100W
体积	254x48x189mm(WxHxD)
重量	2.2kg/4.85lbs

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。

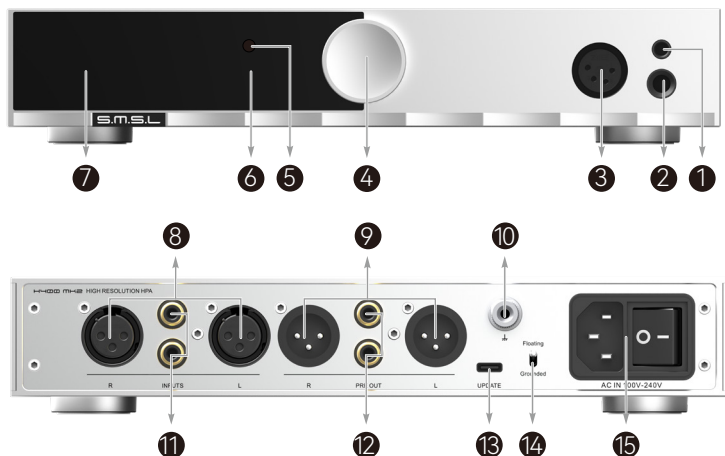
遥控器的使用



注意

遥控器请使用2节7号(AAA)电池

部件介绍



- | | | |
|---------------|---|----------------------|
| 1 4.4mm平衡耳机插座 | 2 6.35mm耳机插座 | 3 平衡耳机插座 |
| 4 旋钮 | 5 红外接收窗 | 6 指示灯 |
| 7 显示屏 | 8 XLR平衡输入 | 9 XLR前级输出 |
| 10 接地柱 | 11 RCA输入 | 12 RCA前级输出 |
| 13 USB升级口 | 14 接地开关
Floating(悬空)
Grounded(接地) | 15 电源输入(100V-240VAC) |

注:

- 红色表示待机状态, 红色闪烁表示系统触发保护;
- 触发保护时, 请及时关闭电源。尝试拔出所有负载设备保持在空载状态下开机, 如无法正常使用请及时联系工作人员送检处理。
- 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;
- 根据健康专家的建议, 请勿长时间聆听耳机以免影响听力;

功能介绍

■ INPUTS SOURCE (输入方式)

- XLR INPUT (XLR输入)
- RCA INPUT (RCA输入)

■ OUTPUTS SOURCE (输出方式)

- PRE OUTPUT (前级输出)
- HEADPHONE (耳放输出)

■ VOLUME MODE (VOL模式)

- REAL TIME
(快速旋转音量旋钮时, 继电器逐级跳至设定音量。)
- SOFT
(音量继电器会间隔变动, 以避免继电器动作过于频繁, 延长继电器寿命!)

■ GAIN MODE(增益设置)

- LOW GAIN (低增益)
- MID GAIN (中增益)
- HIGH GAIN (高增益)

功能介绍

■ DIMMER SETTING (自动熄屏)

- 5秒 ~ 60秒

(范围5秒 - 60秒, 设置后, 屏会在这个时间内自动熄灭, 遥控或者旋钮任意操作屏幕会重新点亮。这样可以很大程度减少光污染, 提升听音环境的舒适性!)

■ BRIGHTNESS (显示屏亮度设置)

- 1-99%

■ INFORMATION&RESET (系统复位)

- 长按旋钮中键, 系统清除所有设定。

Warranty Terms

1. Warranty Policy

- SMSL/VMV Audio warrants that the product shall be free from defects in function under normal use for a period of 24 months from the date of original retail purchase by the end-user (the “Warranty Period”).
- This warranty is valid only for products purchased through authorized distributors or retailers. Proof of purchase (original receipt or invoice) is required.
- This warranty does not cover: damage caused by accident, misuse, abuse, unauthorized modifications, commercial use, or failure to follow product instructions.

2. Returns & Repair

- For defective products within the Warranty Period, please contact our customer service or the authorized seller from whom you made the purchase to initiate a return or exchange or repair.

3. Service Process

- All after-sales requests must be initiated through the point of purchase (e.g., the specific online platform store or authorized distributor).
- Please have your order number, product serial number, and a description/video of the issue ready.
- Do not return any product without first obtaining a Return Merchandise Authorization (RMA) number. Unauthorized returns may be refused.
- Ship the product to the address provided in your RMA instructions by online platform store or authorized distributor. We will inspect it and notify you of the resolution.

Features

- Fully balanced 4-channel patented headset amplifier circuit PLFC+;
- The distortion (THD+N) is as low as 0.00006%, and the signal-to-noise ratio is as high as 132dB!
- High output power, 18 Watt at 16 ohms and 9Watt at 32 ohms;
- A total of 14 OPA1612A operational amplifiers are used;
- The relay is used to control the volume, so there will be no imbalance between left and right, and it supports remote control of the volume;
- High, medium and low gears can switch gain control, and the low gain is specially optimized for IEM;
- Pre-output function, which can be used as Hi-End pre-amplifier;
- Use tempered glass fully glued color IPS display screen;
- Ultra-compact design, very suitable for desktop headphone system;
- High precision low temperature drift resistance, performance is not affected by temperature;
- The mute circuit uses high-quality relay and has no impact sound design;
- 20Hz to 100kHz(-0.5dB) frequency response;
- Headphone amplifier has complete protection such as DC, overvoltage and overload protection;
- Built-in high-power custom-made low-noise GaN power supply;
- Equipped with remote control and full-function remote control.

Specifications

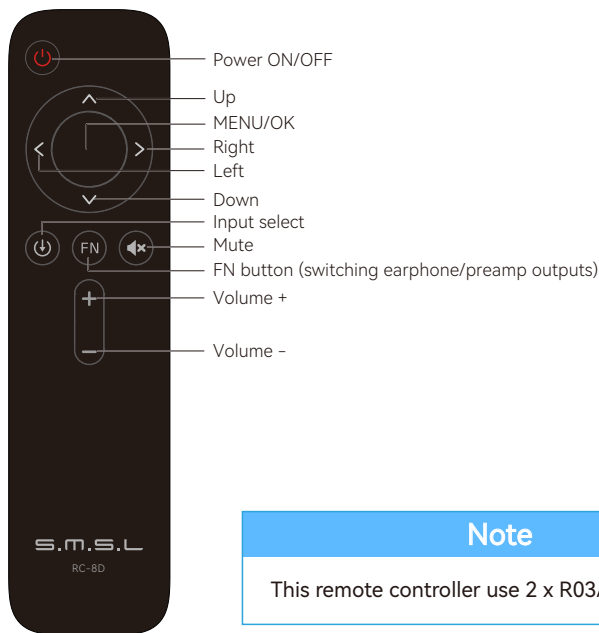
Balanced, Unbalanced	Balanced, Unbalanced
Headphone outputs	4.4mm/XLR Balanced, 6.35mm unbalanced
Pre-outputs	Balanced, Unbalanced
Output Power: Balanced	16Ω ······ 18Wx2
	32Ω ······ 9Wx2
	300Ω ······ 1100mWx2
	600Ω ······ 550mWx2
Unbalanced	16Ω ······ 5Wx2
	32Ω ······ 2.5Wx2
	300Ω ······ 260mWx2
	600Ω ······ 130mWx2
SNR	132dB
Dynamic Range	132dB
THD+N	-123dB, 0.00006% (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(-5.5dB) , Middle(6dB) , High(19.6dB)
Unbalanced	Low(-11.5dB) , Middle(0dB) , High(13.6dB)
Power consumption(EN60065)	<100W
Size	254x48x189mm(WxHxD)
Weight	2.2kg/4.85lbs

SMSL reserves the right to make improvements which may result in specification or feature changes without notice.

Remote control

- If the remote control is still ineffective when it is close to the machine, replace it with a new battery.
- If the user does not use the remote control for a long time, remove the battery of the remote control.
- Dispose of used batteries in accordance with local regulations on battery disposal.

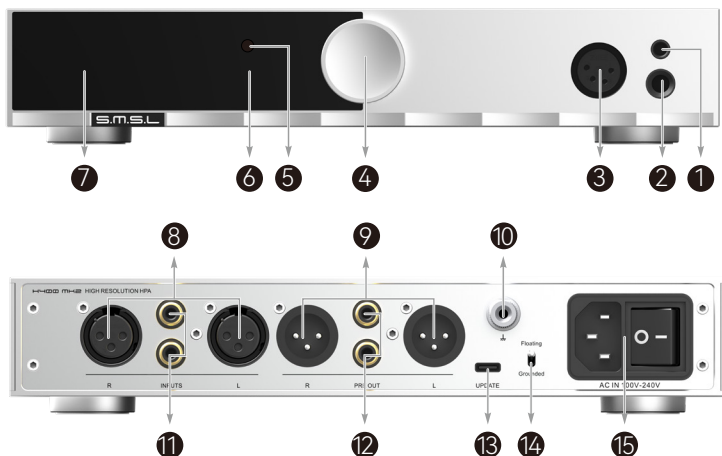
Operating the remote control



Note

This remote controller use 2 x R03/AAA batteries.

Display Interface and Instructions



- | | | |
|------------------------|-----------------------------|---------------------------|
| 1 4.4mm headphone jack | 2 6.35mm headphone jack | 3 Balanced headphone jack |
| 4 Knob | 5 Remote window | 6 Indicator light |
| 7 Display | 8 XLR balanced input | 9 XLR Pre-output |
| 10 Grounding pillar | 11 RCA input | 12 RCA Pre-output |
| 13 USB upgrade port | 14 Grounding control switch | 15 AC IN (100V-240VAC) |

Note:

- Red light for standby mode, Red flashing light for system protection mode.
- When protection is triggered, turn off the power promptly. Try to unplug all the load equipment to keep the power on in no-load state, if it can't be used normally, please contact the staff in time to send for inspection and processing.
- 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.

Instructions

■ INPUTS SOURCE

- XLR INPUT
- RCA INPUT

■ OUTPUTS SOURCE

- PRE OUT
- HEADPHONE

■ VOLUME MODE

- REAL TIME
(When the volume knob is turned quickly, the relay jumps step by step to the set volume.)
- SOFT
(Volume relays will be changed at intervals to avoid over-frequent relay operation and to prolong relay life!)

■ GAIN MODE

- LOW GAIN
- MID GAIN
- HIGH GAIN

Instructions

■ DIMMER SETTING

- 5 second ~ 60 second

(The range is 5 seconds-60 seconds. After setting, the screen will automatically go off within this time, and the screen will re-light up if you operate the remote control or the knob at any time.)

■ BRIGHTNESS

- 1-99%

■ INFORMATION&RESET

- Long-press the middle button of the knob to clear all settings.

S.M.S.L