D2R

使用说明书 |USER MANUAL

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

- 使用罗姆旗舰DAC芯片BD34301EKV, 并且全面优化使其性能, 使其THD+N低至 -117dB;

- USB使用XMOS XU-316, 真正的32bit USB方案, PCM最高支持到768kHz, DSD支持到DSD512;

- 全新CK-03时钟处理电路, 以达到超低的时钟抖动使得光纤同轴的时钟抖动与USB一样优秀;

- 定制低噪声箭猪线性电源;

- 特别设计的分立元件稳压电源和多个低噪声稳压电源, 为模拟电路提供低噪声电源;

- 高通最新蓝牙芯片支持SBC,AAC,aptX,aptX HD,LDAC;

- 高品质镀金输入输出连接端子;

- 全新设计的高品质旋钮;

- 使用钢化玻璃显示面板, 更高的透光率, 更长的使用寿命;

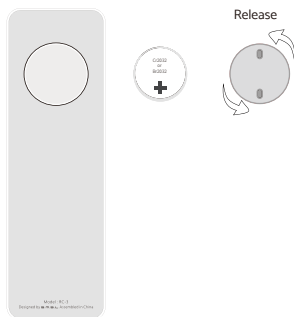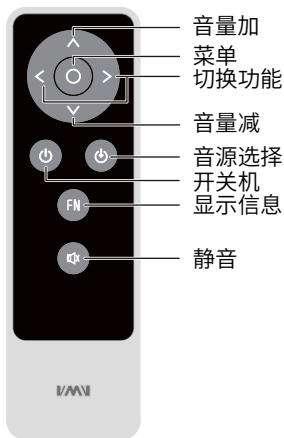- 配备遥控器和全功能遥控;

- 日本音频协会(JAS)Hi-Res认证。

技术参数

输入方式		USB/光纤/同轴/I2S/蓝牙/AES
输出方式		单端线路/平衡线路
输出幅度	平衡线路	4.0Vrms
		5.1Vrms(可调音量)
	单端线路	2.0Vrms
		2.6Vrms(可调音量)
THD+N		0.00014% (-117dB)
动态范围	平衡线路	129dB
	单端线路	125dB
信噪比	平衡线路	129dB
	单端线路	124dB
输出阻抗	平衡线路	200Ω
	单端线路	100Ω
USB传输方式		异步传输
USB兼容性		Windows 7 / 8 / 8.1 / 10 / 11, Mac OSX, Linux
位深	USB	1bit，16~32bit
	光纤/同轴	1bit，16~24bit
采样率	USB	PCM 44.1~768kHz
		DSD 2.8224~22.5792MHz
	光纤/同轴	PCM 44.1~192kHz
蓝牙规格		5.1(支持SBC,AAC,aptX,aptX HD,LDAC)
消耗功率		5W
待机功耗		<0.5W
体积		280x235.5x43mm(WxHxD)
重量		3.2kg/7.05lbs

规格时有变更，恕不另行通知。

技术参数

- 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。
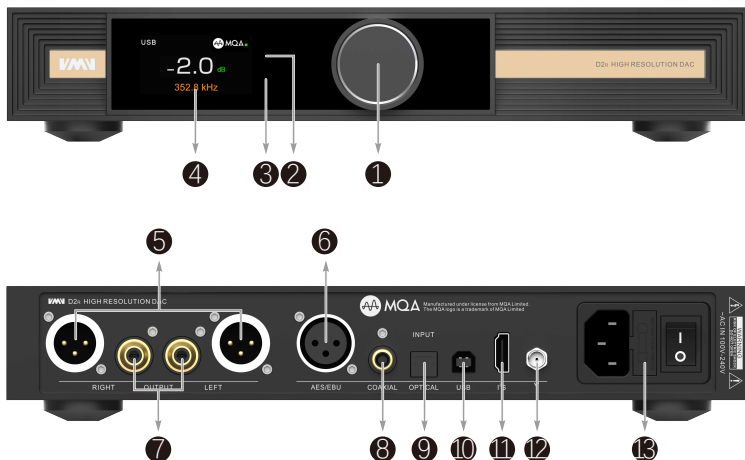
音量加
菜单
切换功能
音量减
音源选择
开关机
显示信息
静音

Release

1. 找到位于遥控器背面的电池组件。

2.逆时针旋转电池仓盖，直到仓盖打开。

3.取出旧电池。

4. 使正极端向上朝向您自己，放入新的CR2032或 BR2032 3V纽扣锂电池(在大多数电子产品商店和杂货店中有售)。

部件介绍

1. 功能旋钮
2. 红外接收窗
3. 指示灯
4. 显示屏
5. XLR输出
6. AES输入
7. RCA输出
8. 同轴输入
9. 光纤输入
10. USB输入
11. I²S输入
12. 蓝牙天线
13. 电源输入（100~240V AC）

蓝牙操作说明

本产品配备了**蓝牙按键**, 就是遥控器上的**FN按键**,
这个按键的功能包括:

  短按: 直接切换到蓝牙输入,如果蓝牙失去连接, 则为重新连接;

  长按: 断开当前设备, 允许配对其它设备

■ **连接:** 将输入源切换至蓝牙,打开手机蓝牙功能, 搜索 "**VMV** D2r", 搜索到后
  点击配对连接, 当手机显示"已连接"则已连接成功。

■ **重连:** 在使用蓝牙过程中, 如果失去连接, 例如: 外出, 然后回来, 有些手机不
  会自动重新连接, 在这个时候, **短按遥控器的蓝牙按键(FN)**就可以重新连接.

■ **连接新设备: 长按遥控器的蓝牙按键(FN)。**在清除配对后, 部分手机可能会
  出现无法再搜索到" VMV D2r ", 此时需要将手机保存的蓝牙设备" VMV D2r
  "删除掉, 然后再搜索配对。

关于MQA

本机内置了MQA全解码器(MQA full decoder)，在通过网络串流播放和USB音频接口播放时可实现MQA音频的完全展开。

当屏幕显示 🔘 MQΛ . 或 🔘 MQΛ . 时，表示本机正在解码和播放MQA流或文件，表明声音与原始音频 完全相同。

当屏幕显示 🔘 MQΛ . 时，表示本机正在播放MQA Studio文件，该文件已在工作室中由艺术家/制作人批准，或已被版权所有者验证。

当屏幕显示 🔘 MQΛ . 时，表示本机正在渲染MQA流或文件，即提供MQA文件的最后一个阶段的展开。

如何播放MQA

- 此机的USB、光纤、同轴支持MQA解码！

- 此机的MQA播放不要求使用特殊的播放软件，例如foobar2000，Audirva-naplus只要支持ASIO或者WASAPI的音频输出就可以了，并且在播放MQA音频时，最好将电脑的音量调到最大，以使得电脑的音频输出是最佳状态。

- 在播放MQA文件时，显示屏显示的采样率为音频原始采样率。

  🔘 MQΛ和声波标志是MQA Limited的注册商标。©2016

播放MQA-CD注意事项

- 必须确认所播放的是一张真正的MQA-CD；

- 确认CD播放器所输出的光纤或者同轴信号是未经处理的源码 。

功能介绍

■ **INPUTS (输入方式)**

- USB　　　　　　(USB输入)
- BLUETOOTH　　(蓝牙输入)
- OPTICAL　　　　(光纤输入)
- COAXIAL　　　　(同轴输入)
- AES/EBU　　　　(AES输入)
- I²S(HDMI)　　　 (I²S输入)

注意：I²S接口并非真正的HDMI接口，它只是使用HDMI线来传输，因此它不能连接真正的 HDMI接口。

■ **OUTPUTS (输出方式)**

- ALL LINE OUT　　(全部输出)
- BALANCED　　　 (平衡输出)
- UNBALANCED　　 (非平衡输出)

■ **PCM FILTER (PCM滤波器)**

- SLOW ROLL-OFF　 (缓慢滚降)
- SHARP ROLL-OFF　(快速滚降)

■ **DSD FILTER (DSD滤波器)**

- 13K CUTOFF (13KHZ频率截止)
- 26K CUTOFF (26KHZ频率截止)
- 52K CUTOFF (52KHZ频率截止)

功能介绍

■ SOUND COLOR (音色)

- LOW OSR+HPC ON

- LOW OSR+HPC OFF

- HIGH LOW OSR+HPC ON

- HIGH LOW OSR+HPC OFF

■ PRE MODE(前级模式)

PRE MODE为输出接口的音量调节功能开关：
- VARIABLE:　　　输出接口音量是受控的。
- FIXED:　　　　输出接口音量是固定的。

■ FN KEY FOR (FN按键作用)

- OUTPUTS　　　(输出选择)

- BLUETOOTH　　(切换到蓝牙输入)

- PHASE　　　　(相位模式)

■ I2S DSD CHANNEL(DSD声道设置)

- DSDL = PCM DATA (DSD左声道和PCM的数据引脚共用)(默认)

- DSDL = PCM LRCK(DSD左声道和PCM的LRCK引脚共用)

注:在使用I2S接口播放DSD音频时,如果发现左右声道不正确,则可以使用这个选项来纠正。

功能介绍

■ I²S MODE(I²S模式)

- NORMAL （正常，PS AUDIO格式)
- REVERSED （反相，DATA和LRCK反相)

GND 2	I²S DATA -
I²S BCK +	I²S DATA +
I²S BCK -	GND
GND	I²S LRCLK -
I²S MCLK +	I²S LRCLK +
I²S MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC 18	NC
	GND 19

NORMAL

GND 2	I²S DATA +
I²S BCK +	I²S DATA -
I²S BCK -	GND
GND	I²S LRCLK +
I²S MCLK +	I²S LRCLK -
I²S MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC 18	NC
	GND 19

REVERSED
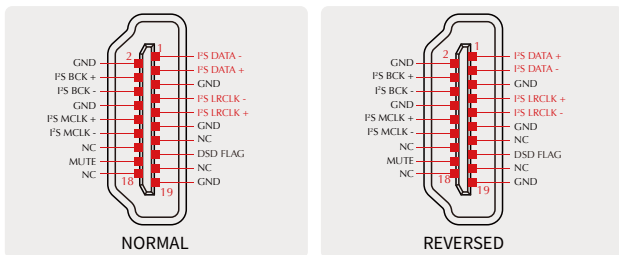
注: 这个选项用于匹配不同的I2S接口标准，使用前请检查信号源的接口定义。

■ AUDIO PHASE

- NORMAL (2+,3-)
- INVERTED (2-,3+)

1 — 2+

3-

NORMAL

1 — 2-

3+

INVERTED
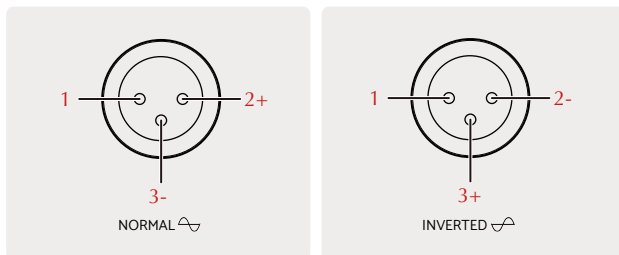
功能介绍

■ DIMMER (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)

- LEVEL 1 ~ LEVEL 6

■ RESET (系统复位)

- 在蓝牙输入时, 长按旋钮中键, 系统只会重置蓝牙配对状态;

- 在其它输入时, 长按旋钮中键, 系统清除所有设定, 包括蓝牙。

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

- Use Rohm's flagship DAC chip BD34301EKV, and fully optimize its performance to make its THD+N as low as-117dB;

- USB uses XMOS XU-316, a real 32bit USB solution, PCM supports up to 768kHz, and DSD supports up to DSD512

- The all-new CK-03 clock processing circuit achieves ultra-low clock jitter, making the clock jitter of fiber coax as excellent as USB;

- Customized low noise Noratel linear power supply;

- The specially designed discrete component stabilized power supply and multiple low-noise stabilized power supplies provide low-noise power supply for analog circuits;

- Qualcomm's latest Bluetooth chip supports SBC, AAC, aptX, aptX HD, LDAC;

- High-quality gold-plated input and output connection terminals;

- Newly designed high-quality knobs;

- Use tempered glass display panel, higher light transmittance, longer service life;

- Equipped with remote control and full function remote control.

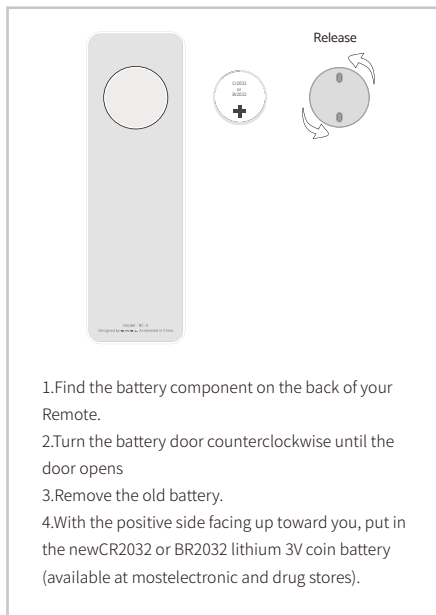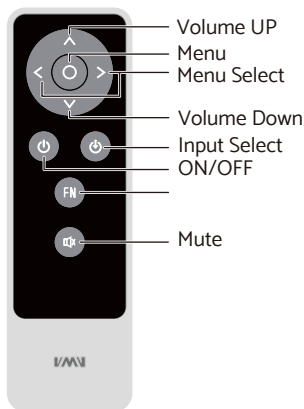- Japan Audio Society (JAS) Hi-Res certified.

Specification

Input..USB/Optical/Coaxial/I2S/Bluetooth/AES		
Output...RCA/XLR		
Output Level.......................................XLR		4.0Vrms
		5.1Vrms(Vol variable)
....RCA		2.0Vrms
		2.6Vrms(Vol variable)
THD+N..0.00014% (-117dB)		
Dynamic range...................................XLR		129dB
	RCA	125dB
SNR...XLR		129dB
	RCA	124dB
Output impedence.............................XLR		200Ω
	RCA	100Ω
USB transmission...Asynchronization		
USB compatibility ....Windows 7 / 8 / 8.1 / 10 / 11, Mac OSX, Linux		
Bit depth..USB		1bit, 16~32bit
	Optical/Coaxial	b1it, 16~24bit
Sampling rate.....................................USB	PCM	44.1~768kHz
	DSD	2.8224~22.5792MHz
	Optical/Coaxial	PCM	44.1~192kHz
Bluetooth specification..................5.1(Supports SBC,AAC,aptX,aptX HD,LDAC)		
Power consumption...5W		
Standby power...<0.5W		
Size...280x235.5x43mm(WxHxD)		
Weight...3.2kg/7.05lbs		

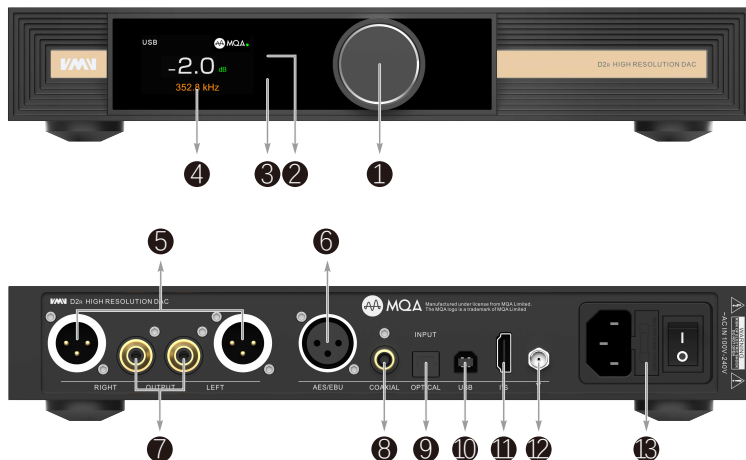Specifications are subject to change without notice.

Specification

- Install CR2O32 or BR2032 lithium 3V coin battery as instructions

- When using the remote control, point it toward the remote con-trol 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 unin-tentional operation of other devices that can be controlled by infra.

Volume UP
Menu
Menu Select

Volume Down
Input Select
ON/OFF

Mute

Release

1.Find the battery component on the back of your Remote.

2.Turn the battery door counterclockwise until the door opens

3.Remove the old battery.

4.With the positive side facing up toward you, put in the newCR2032 or BR2032 lithium 3V coin battery (available at mostelectronic and drug stores).

Functions

1. Multi-function knob
2. Remote window
3. Indicator light
4. Display
5. XLR output
6. AES input
7. RCA output

8. Coaxial input
9. Optical input
10. USB input
11. I²S input
12. Bluetooth antenna
13. AC IN（100V-24V AC）

Bluetooth operating instructions

This product is equipped with a Bluetooth button, which is the FN button on the remote control,The functions of this button include:

- **Short press:** Switch directly to Bluetooth input, if Bluetooth loses connection, it is a reconnect;
- **Long press:** Disconnect the current device and allow pairing with other devices.

Connection:

- Step 1: Switch the input source in the SETTING MENU or press the Bluetooth button of the remote;
- Step 2: Turn on the Bluetooth function of the mobile phone, search for "VMV D2r", and tap to pairing. When the mobile phone displays "connected", it has been successfully connected.

Re-connection:

When you had lost the connection with the D2r, for example,going out, and back home, some phones will not re-connect the D2r if the D2r has not been re-boot, so you can press the Bluetooth button (FN) on the remote to Re-connect.

Clear pairing: Long press the "Bluetooth" button(FN) on the remote control.

After clearing the pairing, some phones may no longer be able to search for "VMV D2r". In this case, you need to delete the Bluetooth device "VMV D2r" which saved in the phone, and then search and pairing again.

About MQA

When the screen displays MQA. or MQA., it means that the unit is decoding and playing an MQA stream or file, indicating that the sound is exactly the same as the original audio.

When the screen displays MQA., it means that the unit is playing an MQA Studio file, which has been approved by the artist/producer, or has been verified by the copyright holder.

When the screen displays MQA., it means that the unit is rendering the MQA stream or file, that is, the last stage of MQA file expansion.

How to play MQA

- D2R supports MQA decoding with USB, optical fiber and coaxial!

- D2R's MQA playback does not require the use of special playback software, such as foobar2000, Audirvanaplus only needs to support ASIO or WASAPI audio output, and when playing MQA audio, it is best to adjust the volume of the computer to the maximum,so that the audio output of the computer is in the best condition.

- When playing an MQA file, the sampling rate of the original master recording is displayed.

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Notes on playing MQA-CD

- Please make sure that what is being played is a genuine MQA-CD.

- Verify that the optical or coaxial signal output of the CD player is an unprocessed source code.

Instructions

■ INPUTS

- USB
- BLUETOOTH
- OPTICAL
- COAXIAL
- AES/EBU
- I²S(HDMI)

Note: The I²S interface is not a real HDMI interface. It just uses the HDMI cable to transmit it, so it cannot connect the real HDMI interface.

■ OUTPUTS

- ALL LINE OUT
- BALANCED
- UNBALANCED

■ PCM FILTER

- SLOW ROLL-OFF
- SHARP ROLL-OFF

■ DSD FILTER

- 13K CUTOFF
- 26K CUTOFF
- 52K CUTOFF

Instructions

- **SOUND COLOR**
  - LOW OSR+HPC ON
  - LOW OSR+HPC OFF
  - HIGH LOW OSR+HPC ON
  - HIGH LOW OSR+HPC OFF

- **PRE MODE**

  PRE MODE is the volume adjustment function switch for the output interface.
  - VARIABLE: The output interface volume is controlled.
  - FIXED: The output interface volume is fixed.

- **FN KEY FOR**
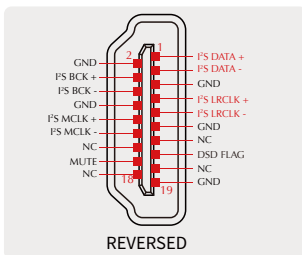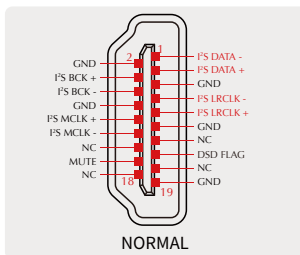 - OUTPUTS
  - BLUETOOTH
  - PHASE

- **I2S DSD CHANNEL**
  - DSDL = PCM DATA(The DSD left channel using the PCM DATA pin)
  - DSDL = PCM LRCK(The DSD left channel using the PCM LRCK pin)

  Note: When using the I^{2}S input to streaming DSD audio, if you find that the left and right channels are incorrect, you can use this option to correct it.
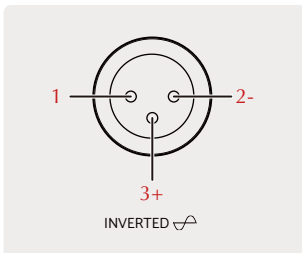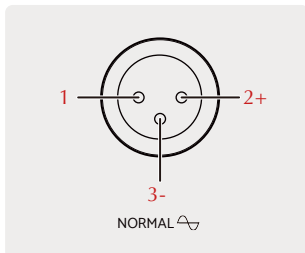
Instructions

I²S MODE

- NORMAL(NORMAL, PS AUDIO FORMAT)

- REVERSED(INVERTED, DATA AND LRCK INVERTED)

| NORMAL | REVERSED |

GND — 2, 1
I²S BCK + —
I²S BCK - —
GND —
I²S MCLK + —
I²S MCLK - —
NC —
MUTE —
NC — 18, 19

I²S DATA -
I²S DATA +
GND
I²S LRCLK -
I²S LRCLK +
GND
NC
DSD FLAG
NC
GND

NORMAL

GND — 2, 1
I²S BCK + —
I²S BCK - —
GND —
I²S MCLK + —
I²S MCLK - —
NC —
MUTE —
NC — 18, 19

I²S DATA +
I²S DATA -
GND
I²S LRCLK +
I²S LRCLK -
GND
NC
DSD FLAG
NC
GND

REVERSED

Note: This option is used to match different I²S interface standards, please check the interface definition of the signal source before use.

AUDIO PHASE

- NORMAL (2+,3-)

- INVERTED (2-,3+)

1 — 2+
3-
NORMAL

1 — 2-
3+
INVERTED

Instructions

■ DIMMER

- 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

- LEVEL 1 ~ LEVEL 6

■ RESET

- During Bluetooth input, long press the middle button of the knob, the system will only reset the Bluetooth pairing status;

- During other input, long press the middle button of the knob, the system will clear all settings, including Bluetooth.

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.

$\leqslant 2000m$

Safe use only under elevation

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 uesd 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.
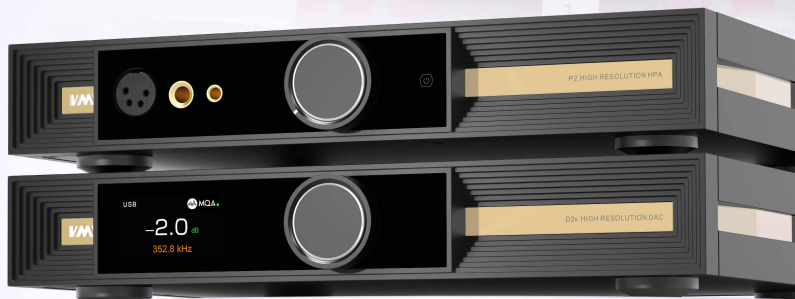
更大能量 更多可能

VMV D2R HIGH RESOLUTION USB DAC

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