

VAN

Model: **D1se**

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 2.0

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！

特点

- 支持MQA解码,支持MQA-CD;
- 全新第三代XMOS XU-316,PCM支持到32bit/768kHz,DSD支持到DSD512;
- 美国ESS新一代旗舰DAC芯片ES9039MSPRO,内置MQA硬解码;
- 采用八通道并联电路设计,失真度低至惊人的0.00005%(-125dB),并且更加稳定;
- 使用11片高端双运放及nichicon KG电容等大量发烧元件;
- 采用2nd PLL,消除SPDIF传输过程中的JITTER;
- 全新自主研发的CK-03时钟处理电路,大大降低时钟抖动;
- 支持DOP独立显示功能,准确判断当前解码格式;
- USB、光纤、同轴、I2S支持DSD传输,同轴和光纤支持DOP64;
- 使用钢化玻璃全贴合彩色IPS显示屏;
- 内置采用英国产箭猪环形变压器组成的线性电源;
- 搭配多个低噪声稳压电源,提供稳定可靠高效低噪声的供电系统。
- 高通高端蓝牙芯片,支持LDAC(24bit/96kHz),APTX/HD, SBC, AAC;
- 高品质单体全铝合金CNC外壳单体;
- 高品质镀金输入输出连接端子;
- 日本音频协会(JAS)Hi-Res认证;
- 配备遥控器和全功能遥控。

技术参数

输入方式	USB/光纤/同轴/蓝牙/I ² S
输出方式	单端线路/平衡线路
线路输出幅度.....	平衡线路 5.2Vrms 单端线路 2.5Vrms
THD+N	0.00005%(-125dB)(UN-WTD)
动态范围	133dB(XLR) 128dB(RCA)
信噪比	133dB(XLR) 127dB(RCA)
USB传输方式	USB2.0异步传输
USB兼容性	Windows 7 / 8 / 8.1 / 10 / 11(需要驱动) Mac OSX10.6以上、Linux(不需要驱动)
MQA decoder.....	USB / 光纤 / 同轴
MQA-CD decoder.....	光纤 / 同轴
采样率与位深:	
USB PCM	44.1~768kHz(32bit)
DSD	2.8224~22.5792MHz (1bit)
光纤/同轴	44.1~192kHz(24bit)
DoP	DoP256(USB),DoP64(光纤/同轴)
蓝牙规格:	
LDAC	24bit/96kHz (990kbps/660kbps/330kbps)
aptX-HD	24bit/48 kHz_576kbps
aptX	16bit/44.1 kHz_352kbps
SBC	16bit/44.1 kHz_328kbps
AAC	16bit/44.1 kHz_320kbps
消耗功率	<10W
待机功耗	<0.5W
体积	210x170x39mm (WxHxD)
重量	1.63kg/3.59 lb

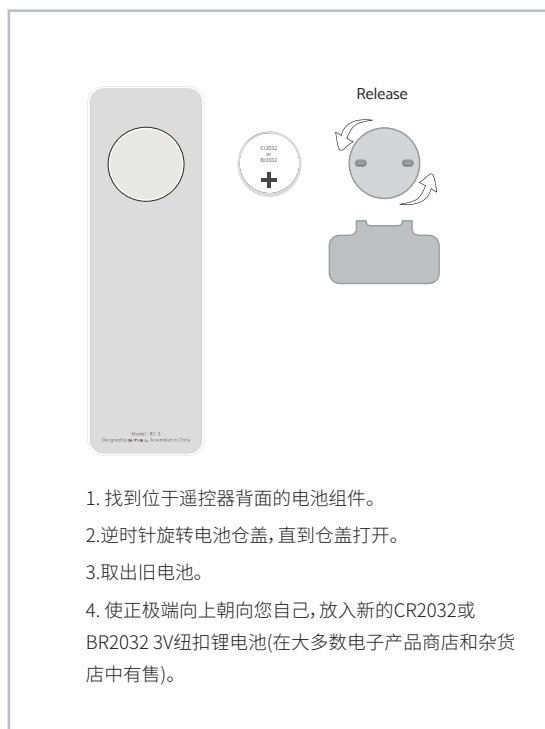
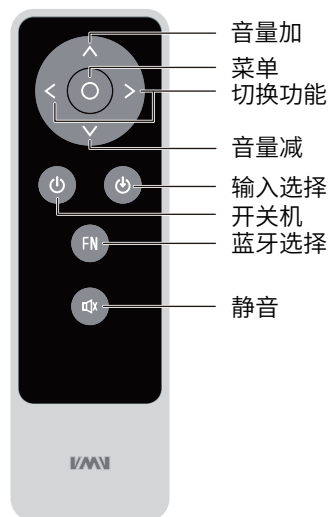
规格时有变更，恕不另行通知。

关于遥控器

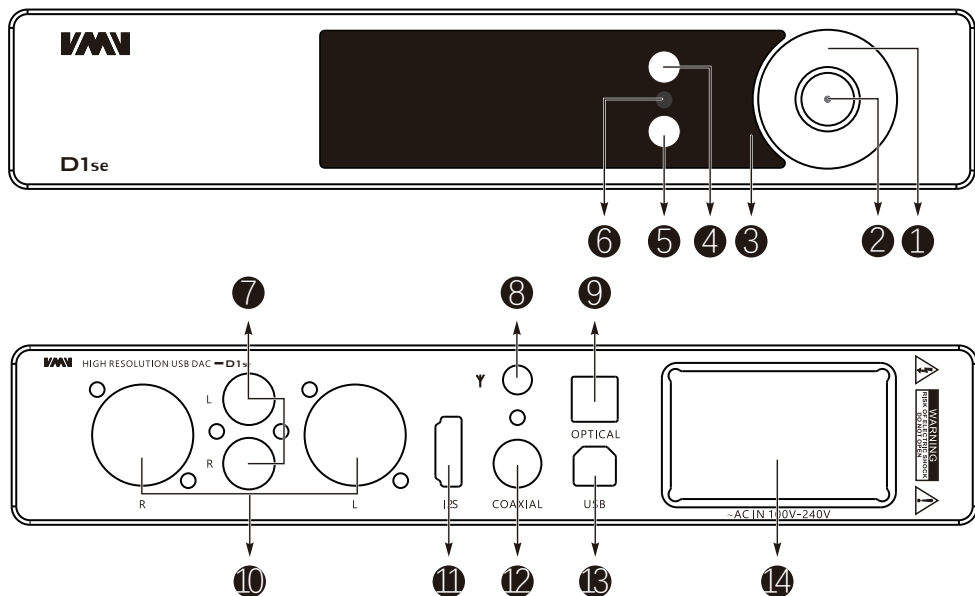
如果遥控器距离本机很近时操作仍无效，请用新电池更换。

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。



部件介绍



1. 功能旋钮
2. 待机LED
3. 显示屏
4. 输入源选择按键
5. 蓝牙按键
6. 红外接收窗
7. 单端线路输出
8. 蓝牙天线
9. 光纤输入
10. 平衡线路输出
11. I2S输入
12. 同轴输入
13. USB输入
14. 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 D1se**”,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 D1se",此时需要将手机保存的蓝牙设备"VMV D1se"删除掉,然后再搜索配对。

关于MQA

MQA (Master Quality Authenticated) 是一项屡获殊荣的英国技术, 是一种兼有极高的采样率和足够小的文件体积的高解析音频编码技术。采用MQA技术, 可以接收并解码MQA音频, 提供母带级别的声音。

有关更多信息, 请访问<https://www.mqa.co.uk/how-it-works>

MQA文件播放

- 只有USB接口支持MQA解码, 其它接口不支持!
- 的MQA播放不要求使用特殊的播放软件, 例如foobar2000, Audirvanaplus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。
- MQA商标旁边的指示灯为绿色或蓝色亮起, 表示设备正在解码并播放MQA音频或文件, 并且确保输出音质与源素材一致。它呈蓝色亮起, 表示它正在播放MQA Studio文件, 该文件已经由艺术家/制作人或者版权所有者获得授权。
- 在播放MQA文件时, 显示屏显示的采样率为音频原始采样率。

 MQA和声波标志是MQA Limited的注册商标。©2016

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)
- 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)

- FILTER OFF (滤波器关闭NOS)
- MINIMUM PHASE (最低相位)
- APODIZING (切迹,快速滚降,线性相位滤波器)
- LINEAR FAST (快速滚降,线性相位滤波器)
- LINEAR SLOW (慢滚降,线性相位滤波器)
- MINIMUM FAST (快速滚降,最小相位滤波器)
- MINIMUM SLOW (慢滚降,最小相位滤波器)
- LOW DISPERSION (低分散延时)

■ DSD FILTER (DSD滤波器)

- 47k CUT-OFF (47kHz频率截止)
- 50k CUT-OFF (50kHz频率截止)
- 60k CUT-OFF (60kHz频率截止)
- 70k CUT-OFF (70kHz频率截止)

■ SOUND COLOR(音色菜单)

本机总共有9种音色模式，它是通过对DAC进行DSP处理，分别为：

- Rich1、Rich2、Rich3 (泛音丰富)
- Tube1、Tube2、Tube3 (胆味)
- Crystal1、Crystal2、Crystal3 (高清晰度)

音色设置是使用DAC内部DSP，做出不同的音色效果，所有这些设置不会改变频率响应曲线。设置为Standard模式将禁用此功能！

■ 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。

■ DPLL (DPLL设置)

- MIN ~ MAX

(共15种, 默认为5。数字越大适应抖动的范围越强, 数字越小抗时钟抖动的性能越好。)

这个DPLL设定是ESS系列产品特有的功能, 它可以调整芯片内部DPLL数字锁相环电路的带宽, 使芯片在抗时钟抖动和输入宽容度之间达到一个平衡。

它的作用:

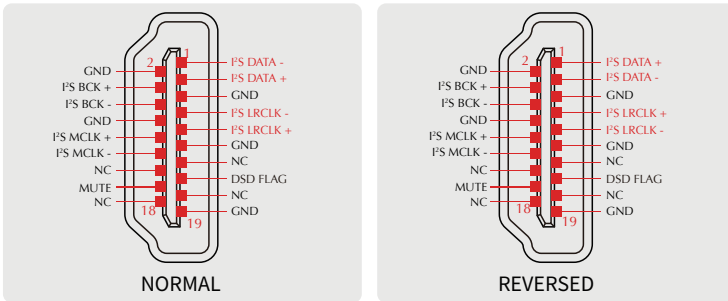
- 在输入信号的时钟稳定度好的情况, 可以减小这个值, 这样系统的时钟性能更佳;
- 在输入信号的时钟稳定度不好的情况下, 声音有可能会有中断的现象, 增大这个值可以避免声音中断现象的发生! 特别是使用电视作为信号源时。

■ FN KEY FOR (FN按键作用)

- OUTPUTS (输出选择)
- BLUETOOTH (切换到蓝牙输入)

■ I²S MODE(I²S模式)

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



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。

■ 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。

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。



Safety notes

CAUTION:

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



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



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!

Features

- Support MQA decoding and MQA-CD;
- New 3rd generation XMOS XU-316, PCM support up to 32bit/768kHz, DSD support to DSD512;
- The new generation flagship DAC chip ES9039MSPRO of USA ESS has built-in MQA hard decoding;
- Designed with an eight-channel parallel circuit, the distortion is as low as a staggering 0.00005% (-125dB) and more stable.
- Using 11pcs High-end dual op-amp and most of Hifi standard components like nichicon KG capacitor;
- Adopt 2nd PLL to eliminate JITTER during SPDIF transmission;
- The new self-developed CK-03 clock processing circuit greatly reduces clock jitter;
- Support DOP independent display function, accurately determine the current decoding format;
- USB, optical fiber, coaxial , I2S support DSD transmission, coaxial and optical fiber support DOP64;
- Use tempered glass to fully fit the color IPS display;
- UK made noratel toroidal power transformer for linear power supply;
- Combined with multiple low-noise regulated power supplies, it provides a stable, reliable, efficient, and low-noise power supply system.
- Qualcomm high-end Bluetooth chip, support LDAC (24bit/96kHz), APTX/HD, SBC, AAC;
- High-quality monolithic full aluminum CNC housing.
- Japan Audio Association (JAS) Hi-Res certification;
- Equipped with remote control and full-featured remote control.

Specification

Input	USB / Optical / Coaxial / Bluetooth / I ² S		
Output	RCA / XLR		
Line output amplitude.....	XLR	5.2Vrms	
	RCA	2.5Vrms	
THD+N	0.00005%(-125dB)(UN-WTD)		
Dynamic range	133dB(XLR),128dB(RCA)		
SNR	133dB(XLR),127dB(RCA)		
USB transmission.....	USB 2.0 Asynchronization		
USB compatibility	Windows 7 / 8 / 8.1 / 10(Needs Driver)		
	Mac OSX10.6 or Later、Linux(Driverless)		
MQA decoder	USB / Optical / Coaxial		
MQA-CD decoder	Optical / Coaxial		
Sampling rate & Bit Width:			
	USB	PCM	44.1 ~ 768kHz(32bit)
	DSD		2.8224 ~ 22.5792MHz(1bit)
	Optical / Coaxial		44.1 ~ 192kHz(24bit)
	DoP		DoP256(USB),DoP64(Optical / Coaxial)
Bluetooth:			5.0
LDAC	24bit/96kHz (990kbps/660kbps/330kbps)		
aptX-HD	24bit/48 kHz_576kbps		
aptX	16bit/44.1 kHz_352kbps		
SBC	16bit/44.1 kHz_328kbps		
AAC	16bit/44.1 kHz_320kbps		
Power Consumption	<10W		
Standby power	<0.5W		
Size	210x170x39mm (WxHxD)		
Weight	1.63kg / 3.59lb		

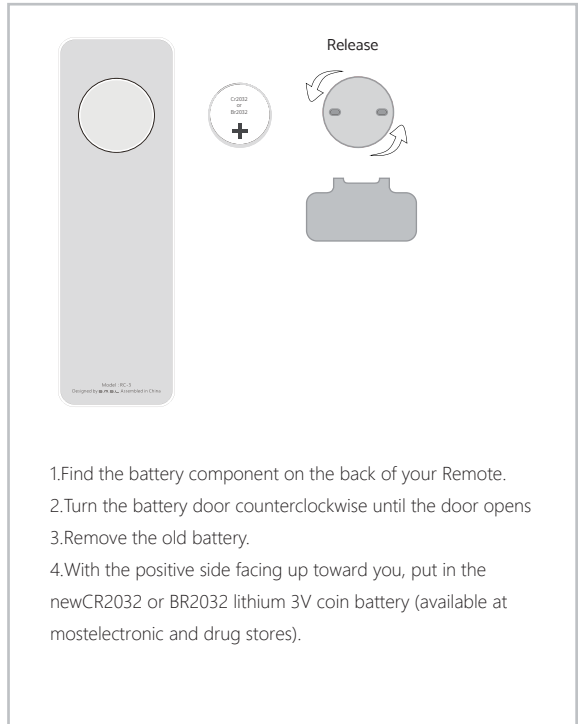
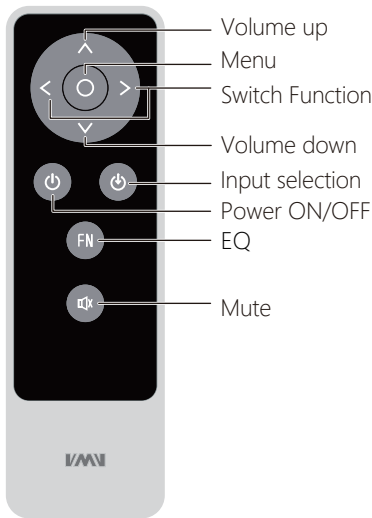
Specifications are subject to change without notice.
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Remote Control

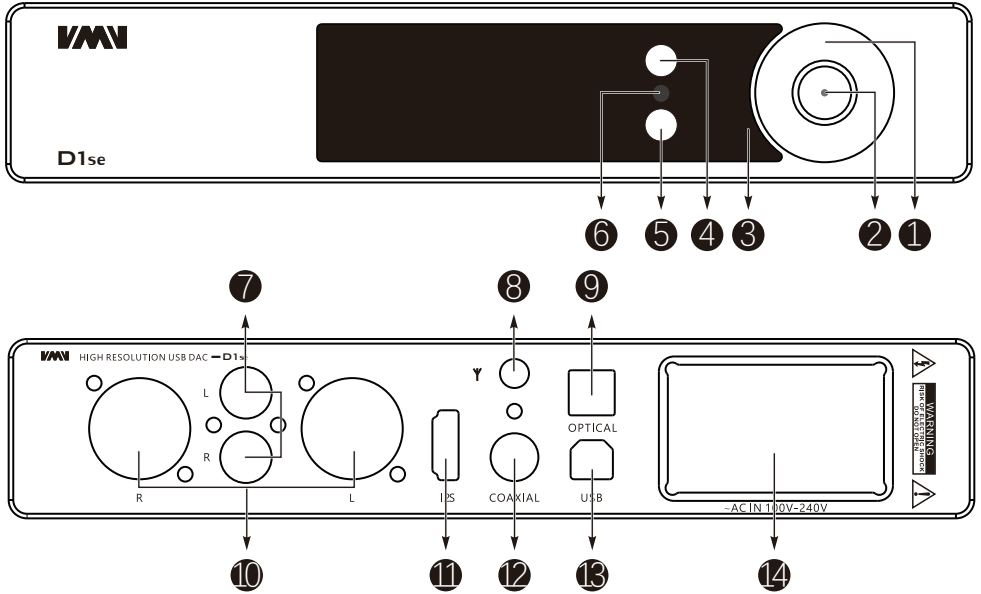
Install CR2032 or BR2032 lithium 3V coin battery as instructions

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.



Functions



- 1. Multi-function knob
- 2. LED
- 3. Display
- 4. Input source select
- 5. Bluetooth
- 6. Remote window
- 7. RCA output
- 8. Bluetooth antenna
- 9. Optical input
- 10. Balanced output
- 11. I²S input
- 12. Coaxial input
- 13. USB input
- 14. 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 D1se"**, 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 D1se, for example, going out, and back home, some phones will not re-connect the D1se if the D1se 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 D1se"**. In this case, you need to delete the Bluetooth device **"VMV D1se"** which saved in the phone, and then search and pairing again.

About MQA

MQA (Master Quality Authenticated) is an award-winning British technology that delivers the sound of the original master recording. The master MQA file is fully authenticated and is small enough to stream or download. Includes MQA technology, which enables you to playback MQA audio files and streams, delivering the sound of the original master recording.

Visit How it works <https://www.mqa.co.uk/how-it-works> for more information.

MQA files playback

- Supports MQA decoding on the USB interface.
- MQA playback does not require additional software. You can use foobar2000 or Audirvana for MQA playback as it supports ASIO or WASAPI audio output. When playing MQA audio, it is suggested to adjust the volume of the computer to the maximum for the best audio output.
- The LED next to MQA logo glows green or blue to indicate that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner. It glows magenta to indicate that the unit is rendering an MQA stream or file. This delivers the final unfold of the MQA file.
- When playing an MQA file, the sampling rate of the original master recording is displayed.



MQA and the Sound Wave Device are registered trade marks of MQA Limited. © 2016

Instructions

■ INPUTS

- USB
- BLUETOOTH
- OPTICAL
- COAXIAL
- 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

- FILTER OFF
- MINIMUM PHASE
- APODIZING
- LINEAR FAST
- LINEAR SLOW
- MINIMUM FAST
- MINIMUM SLOW
- LOW DISPERSION

■ DSD FILTER

- 47k CUT-OFF
- 50k CUT-OFF
- 60k CUT-OFF
- 70k CUT-OFF

■ SOUND COLOR

There are 9 sound color settings in D1se 2

- Rich1, Rich2, Rich3
- Tube1, Tube2, Tube3
- Crystal1, Crystal2, Crystal3

This setting is using the DSP of DAC, to make some different sound color, all of these settings will not change the frequency response curve. When set to "Standard", this setting will be bypassed.

■ 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.

■ DPLL

- MIN ~ MAX

(A total of 15 kinds, the default is 7 kinds. The larger the number is, the stronger the range to adapt to jitter, and the smaller the number, the better the performance against clock jitter.)

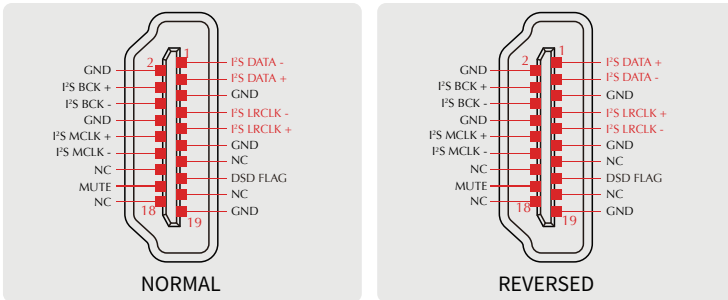
This DPLL setting is a special function of ESS series products. It can adjust the internal DPLL digital phase locked loop circuit Bandwidth, so that the chip achieves a balance between anti clock jitter and input tolerance.

Its function:

- When the clock stability of the input signal is good, this value can be reduced, so that the clock performance of the system is better;
- When the clock stability of the input signal is not good, the sound may be interrupted. Increase this value can avoid the sound interruption! Especially when using TV as signal source!

■ I²S MODE

- NORMAL
- REVERSED



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

■ FN KEY FOR

- OUTPUTS
- BLUETOOTH

■ 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.

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.