

S.M.S.L



0400

使用说明书/USER MANUAL

Safety Notes

- Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, or cold..
- 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. Our company 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 alesperson or customer service 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.

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.

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.

Features

- Support MQA decoding, support MQA-CD;
- New 3rd generation X MOS XU-316, PCM support up to 32bit/768kHz, DSD support to DSD512;
- Flagship DAC chip 1 AK4191+ 1 AK4499EX, tap all the potential of the chip;
- Distortion as low as a staggering 0.00006% (-124dB);
- Use 5 high-end dual op amps and a large number of audiophile components;
- 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 , AES, I2S support DSD transmission, coaxial and optical fiber support DOP64;
- Using tempered glass full lamination color IPS display.
- Built-in low-noise power processing, while improving power efficiency, lower power consumption;
- 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 all-aluminum alloy shell, support high quality gold plated input and output connection terminals;
- Japan Audio Association (JAS) Hi-Res certification;
- Equipped with remote control and full-featured remote control.
-

Specifications

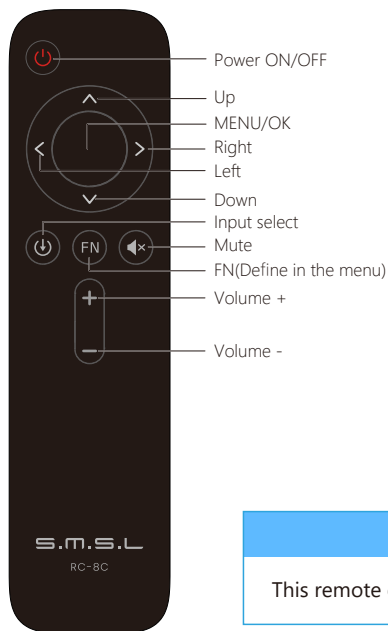
Input.....	USB/Optical/Coaxial/I ² S/Bluetooth/AES		
Output.....	RCA/XLR		
Output Level.....	XLR	5Vrms	
	RCA	2.5Vrms	
Output impedance.....	XLR	200Ω	
	RCA	100Ω	
THD+N.....	XLR	0.00006%(-124dB)(UN-WTD)	
	RCA	0.00008%(-121dB)(UN-WTD)	
Dynamic range.....	XLR	132dB	
	RCA	126dB	
SNR.....	XLR	132dB	
	RCA	126dB	
USB transmission.....	Asynchronization		
USB compatibility.....	Windows 7 / 8 / 8.1 / 10 / 11(needs drive) Mac OSX 10.6 or later, Linux(driveless)		
MQA decoder.....	USB/Optical/Coaxial		
MQA-CD decoder.....	Optical/Coaxial		
Sampling rate	USB / I ² S	PCM	44.1 ~ 768kHz
		DSD	2.8224 ~ 22.5792MHz
	Optical / Coaxial	PCM	44.1 ~ 192kHz
Bluetooth specification :			
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.....	254x189x46mm(WxHxD)		
Weight.....	1.9kg/4.18lbs		

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.

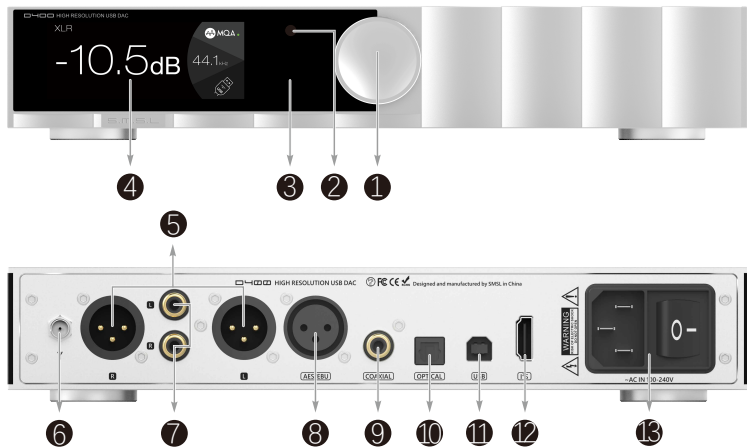
Operating the remote control



Note

This remote controller use 2 x R03/AAA batteries.

Display Interface and Instructions



- | | | |
|-------------------------|------------------------|----------------------------------|
| 1 Knob | 2 Remote window | 3 Indicator light |
| 4 Display | 5 XLR output | 6 Bluetooth antenna |
| 7 RCA Output | 8 AES/EBU Input | 9 Coaxial Input |
| 10 Optical input | 11 USB input | 12 I ² S input |
| 13 AC IN | | |

Knob*

- **Konb:** Volume +/-, menu switching, function selection.
- **Button:** Short press to enter the menu and confirm; long press to exit the menu and switch the machine on and off.

Bluetooth operating instructions**

Connection:

Switch the input source to Bluetooth, turn on the Bluetooth function of the phone, search for "S.M.S.L D400", click Pair Connection after searching, and when the phone shows "Connected", the connection is successful.

Re-connection:

During the use of Bluetooth, if the connection is lost, eg: going out, and then coming back, some phones will not automatically reconnect, at this time, a short press of the Bluetooth button on the remote control can reconnect.

Clear pairing:

Press and hold the Bluetooth Control button on the remote control. After clearing the pairing, some phones may no longer be able to search for "S.M.S.L D400", in which case you need to delete the Bluetooth device "S.M.S.L D400" saved by the phone and then search for pairing.

Instructions

■ INPUTS

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

■ OUTPUTS

- ALL LINE OUT
- BALANCED
- UNBALANCED

■ PCM FILTER

- SHARP ROLL-OFF
- SLOW ROLL-OFF
- SHORT SHARP
- SHORT SLOW
- SUPER SLOW
- LOW DISPERSION

Instructions

■ DSD FILTER

- WIDE
- NARROW

■ SOUND COLOR

- SOUND 1(5.6M)
- SOUND 2(5.6M)
- SOUND 3(11M)
- SOUND 4(11M)

■ PRE MODE

PRE MODE is the volume adjustment function switch for the output.

- VARIABLE : The output volume is controlled.
- FIXED : The output connector volume is fixed.
- FIXED DSD BYPASS :
Open the DSD direct access function. At this time, the volume of PCM or DSD is not adjusted. The output amplitude is fixed to about 3.7VRMS. When this function is opened, the DSD is not processed at all, and the output is directly output.

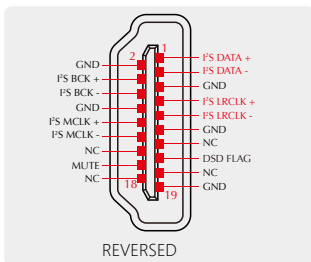
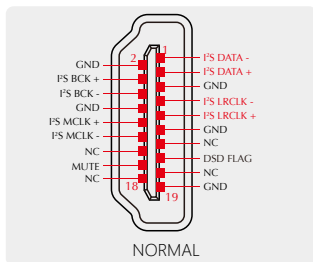
■ FN KEY FOR

- OUTPUTS
- BLUETOOTH
- PHASE

Instructions

I²S MODE

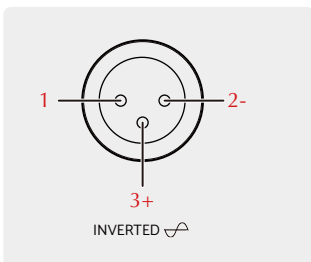
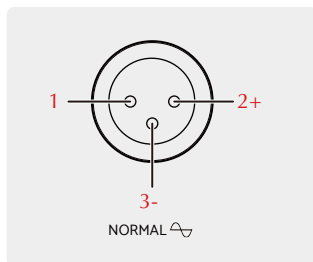
- NORMAL
- REVERSED



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

AUDIO PHASE

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



Instructions

■ 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 I²S input to streaming DSD audio, if you find that the left and right channels are incorrect, you can use this option to correct it.

■ 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

- 1% ~ 99%

■ 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.

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. The D400 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.

How to play MQA

- D400 supports MQA decoding with USB, optical fiber and coaxial!
- D400'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.



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

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.