

S.M.S.L



DL1000

使用说明书/USER MANUAL/取扱説明書

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



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 a person 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

- Using 4 pieces of Cirrus Logic's latest audio decoding chip CS43131 and carefully designed circuits, its performance reaches an unprecedented level of 0.00009 %(-120dB) non-weighting distortion;
- Utilizes 3 pieces high-end op-amps OPA1612 and numerous audio-grade components;
- The brand-new third-generation XMOS XU-316, supports PCM up to 32bit/768kHz and DSD up to DSD256;
- Supports MQA decoding and MQA-CD;
- There are two modes to choose from: USB 1.1 and USB 2.0;
- The audio clock processing circuit helps reduce clock jitter greatly;
- Built-in specially designed low noise switching power supply;
- Using a large number of audio-specific audiophile grade resistors and capacitors;
- Bluetooth 5.1 digital audio input, external antenna, longer transmission distance;
- Equipped with a full-featured remote control and pre mode;
- Japan Audio Association (JAS)Hi-Res certification.



Specifications

Input.....	USB/Optical/Coaxial/Bluetooth/HDMI(ARC)		
Output level.....	RCA		2.5 Vrms
	XLR		5.2 Vrms
	HPA		7.5 Vrms
Output impedance.....	LINE OUT		100Ω
	HP OUT		Near 0Ω
Headphone output power.....	16Ω		3Wx2
	32Ω		1.5Wx2
THD+N(non-Weighting).....	LINE OUT		0.00009%(-120dB)
	HP OUT		0.0001%(-115dB)
Dynamic range.....	RCA		126dB
	XLR		132dB
	HPA		126dB
	RCA		126dB
SNR.....	XLR		132dB
	HPA		126dB
Bluetooth specification.....	5.1(Support SBC,AAC,aptX,aptX HD,LDAC)		
USB transmission.....	Asynchronization		
USB compatibility.....	Windows 7 / 8 / 8.1 / 10 / 11		
	Mac OS X10.6以上、Linux		
Bit Depth.....	USB		1bit, 16~32bit
	Optical / Coaxial		1bit, 16~24bit
Sampling rate	USB	PCM	44.1~768kHz
		DSD	2.8224~11.2896MHz
	Optical / Coaxial	PCM	44.1~192kHz
		DSD	DSD64(DoP)
Power Consumption.....	<30W		
Standby power.....	<0.5W		
Size.....	196x31x206mm (WxHxD)		
Weight.....	1.05Kg/2.31lbs		

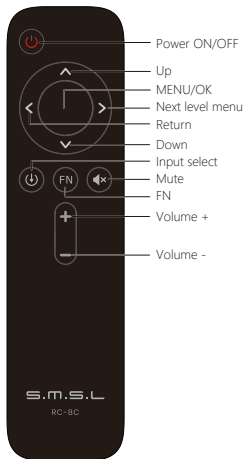
SMSL reserves the right to make improvements which may result in specification or feature changes without notice.

Remote control

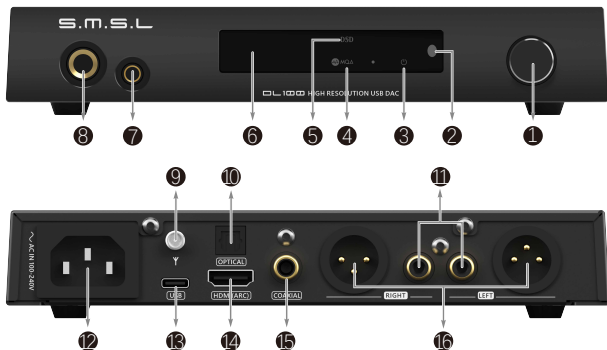
- If the remote control is still ineffective when it is close to the machine, replace it with a new battery.
- If the user does not use the remote control for a long time, remove the battery of the remote control.
- Dispose of used batteries in accordance with local regulations on battery disposal.

Operating the remote control

- This remote controller use 2 x R03/AAA batteries.



Display Interface and Instructions



- | | | |
|--|--------------------------------|----------------------------------|
| 1 Knob | 2 Remote window | 3 Standby indicator light |
| 4 MQA indicator light | 5 DSD indicator light | 6 Display |
| 7 4.4mm balanced headphone jack | 8 6.35mm headphone jack | 9 Bluetooth antenna |
| 10 Optical input | 11 RCA outputs | 12 AC IN |
| 13 USB input | 14 HDMI(ARC) input | 15 Coaxial input |
| 16 XLR outputs | | |



Instructions

INPUTS

- USB (USB input)
- bT (Bluetooth input)
- OPt (Optical input)
- COA (Coaxial input)
- ArC (HDMI(ARC))

OUTPUTS

- HPA (Headphone Output)
- ALL (All Output)
- SE (Unbalanced Output)
- BAL (Balanced Output)

USB MODE

- U 2.0 (corresponds to USB 2.0 mode. Driver installation is required when connecting to WIN systems to support high specification sampling rates)
- U 1.0 (Corresponding to USB 1.1 mode.)

1. It is possible to connect all USB devices without a driver.
2. It can support the connection of various game consoles, such as XBOX, PS4, PS5, etc.
3. USB 1.1 only supports a maximum of 16bit/96kHz.

PCM FILTER

- F1 Fast and Low-latency filter
- F2 Fast and Phase-compensated filter
- F3 Slow and Low-latency filter
- F4 Slow and Phase-compensated filter
- F5 Non oversampling filter



Instructions

DIMMER

- t05~t30(5-60 seconds)

BRIGHTNESS

- LEVEL 1 ~ LEVEL 3 (Brightness levels 1-3, the smaller the value, the lower the brightness)

RESET

- Press and hold the knob of the machine, then energize the machine again and release the knob when the display appears.

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 DL200 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

- This machine's USB, optical, coaxial support for MQA decoding!
- This machine MQA playback does not require the use of special playback software, such as foobar2000, Audirvanaplus as long as the support for ASIO or WASAPI audio output can be, and in the playback of MQA audio, it is best to turn the computer's volume to the maximum, in order to make the computer's audio output is the best state.
- When playing MQA files, the sample rate shown on the display is the original sample rate of the audio.



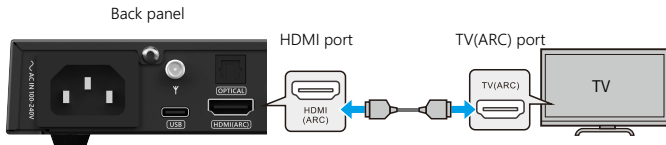
MQA and the Sound Wave Device are registered trade marks of MQA Limited. © 2016

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.

Connect to an ARC compatible TV through HDMI

Connect an ARC compatible TV to this product using a commercially available HDMI cable.



TIPS:

- Connect to an HDMI IN port labeled "ARC" or "eARC/ARC" on the TV. This type of label indicates that the port supports "only ARC" or "both eARC and ARC". If connected to a port that does not support ARC, the ARC input function of this product cannot be used.
- For this type of connection, please use an HDMI cable (19 pin) with the HDMI logo indicating compatibility with ARC. You may need to change the settings on your TV. Please refer to the user manual for the TV.
- This product cannot output videos.(Meaning that it's HDMI ARC, not HDMI. Supports digital signal input, not video input.)
- If you play audio from a TV that does not support ARC, please connect the TV's audio output port to the audio IN port (OPTICAL, COAXIAL, or AUX) of this product.