

S.M.S.L



M8A

Shenzhen ShuangMuSanLin Electronics Co., Ltd.

TIPS

- Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, or cold..
- On the top of this unit, do NOT place:
 - Other components, as they may cause damage or discoloration on the surface of this unit.
 - Burning objects (i.e. candles) , as they may cause fire , damage to this unit , or personal injury.
 - Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user or damage to this unit.
- Do not cover this unit with a newspaper, tablecloth, curtain , etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, or personal injury.
- Only the voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire , damage to this unit, or personal injury. SMSL will not be held responsible for any damage resulting from use of this unit with a voltage other than that specified.
- Do not attempt to modify or fix this unit. Contact qualified SMSL service personnel when anyservice 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.
- Be sure to use the AC adaptor supplied with this unit. Using an AC adaptor other than the one provided may cause fire or damage to this unit.
- For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

Specification

Input:		USB / Optical / Coaxial
Output:		RCA FIXED OUT
Output Level:		2 Vrms
THD+N:		0.0003%
Dynamic range:		123dB
SNR:		124dB
USB compa bility:		Windows 7 / 8 / 8.1 / 10, Mac OSX10.6 or Later / Linux
Bit depth:	USB	16bit/24bit/32bit/1bit
	Optical/coaxial	16bit/24bit
Sampling rate:	USB	44.1kHz,48kHz,88.2kHz, 96kHz,176.4kHz,192kHz, 352.8kHz,384kHz,705.6kHz, 768kHz
	Optical/coaxial	DSD64,DSD128,DSD256,DSD512 44.1kHz,48kHz,88.2kHz,96kHz, 176.4kHz, 192kHz DSD64(DoP)
Consumption Power:		2.7W
Standby power:		←0.1W
Size:		120x22x98 (WxHxD)
Weight:		395g

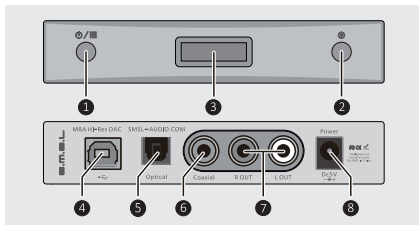
Note

Firmware and driver download:
<http://www.smsl-audio.com/cn/download.asp>

Features

- ESS technology latest ES9038Q2M DAC, with the new 32-bit HyperStream II architecture, improving sound quality and DoP function.
- 2nd generation of XMOS USB audio solution xCore200, PCM sampling rate supported up to 32bit/768kHz and DSD up to DSD512.
- There is 9 types of Sound color setting, not the digital filters, this feature using the DSP of ES9038Q2M to adjust the level of 2nd and 3rd distortion, make it sounds different.
- There is 7 types of digital filter settings, set this will also change the sound color!
- Ultra-low jitter asynchronous design and using ultra-low phase noise crystal as audio clock.
- Every input port supported DSD streaming, coaxial and optical supported to DSD64 by DoP technology via 24bit/176.4kHz SPDIF frame.
- Audiophile powering design by couples of ultra-low noise LDO for the best performance.
- High precision CNC aluminum housing.
- Intelligent power protection system include over voltage and over current.
- Humanized operation, sound style and digital filter can be set by user.

Parts Names



① POWER / MENU

- Press: Menu items switches
- Hold: Power ON/OFF

③ DISPLAY

④ USB IN

② SOURCE / DISPLAY MODE / MENU SET

At Main display:

- Press: Input Source Selects
- Hold: Display Mode Switch

At Menu Pages:

- Press: Menu settings UP
- Hold: Menu settings DOWN

⑤ OPTICAL IN

⑥ COAXIAL IN

⑦ LINE OUT (RCA)

⑧ POWER IN [DC 5V]

Features

Display Mode Switchs:

Hold the button ②, the display content will switch between "Source" and "Sampling Frequency", if the display is in "Dimming" mode, the first time of this operation will just turn the display on, and do it again will switch.

Note:

1. If the sampling frequency of input signal is not supported, it will display a "err"
2. If no signal being detected in current input path, it will display a "no sig"



Input Source Switchs:

Press the button ②, the input source selector will switchs between the 3 inputs, if the display is in "Dimming" or "Sampling Frequency" mode, the first time of this operation will just turn the display on, and do it again will switch.



Operations



There are 5 pages of settings in this menu.

- Ⓐ Current page name
- Ⓑ Current page position
- Ⓒ Current page settings

Change Settings

- Press MENU button to switch pages
- Press button ② to switch UP the settings
- Hold button ② to switch DOWN the settings

INPUTS 1/5

1.usb dac

INPUTS:

- USB dac
- Optical
- Coaxial

Note: This setting is same effect with source button.

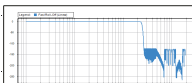
PCM FILTER 2/5

1.Fast Linear

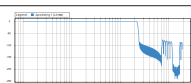
PCM Filter:

- Fast Linear
- Slow Linear
- Fast Minimum
- Slow Minimum
- Fast hybrid
- Apodizing
- Brickwall

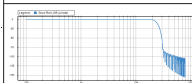
PCM FILTER FREQUENCY RESPONSE



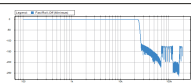
Fast Roll-Off, Linear Phase Filter



Apodizing, Fast Roll-Off, Linear Phase Filter

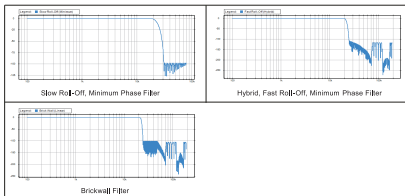


Slow Roll-Off, Linear Phase Filter



Fast Roll-Off, Minimum Phase Filter

PCM FILTER FREQUENCY RESPONSE



SOUND 3/5
Standard

Sound[Sound color]:

- Standard
- Tube 1, Tube 2, Tube 3
- Crystal 1, Crystal 2, Crystal 3
- Rich 1, Rich 2, Rich 3

DIMMER 4/5
Auto Display Off

Dimmer:

- Auto Display off
[In this mode display will turn off in 5 seconds and will turn on by any operations]
- Brightness 1
- Brightness 2
- Brightness 3
- Brightness 4

DISP MODE 5/5
1. Inputs

Display mode

- Inputs
- Sampling Rate

Note: This setting is same effect with display mode button.

Factory Reset

Connect the power wire when pressing the power button, until screen shows

Warranty terms

1.The term of service

Shenzhen SuangMuSanLin Electronics Co.,LTD promise good quality products. If product is defective unit by normal use within 7 days after purchasing. The customer can chose to return or repair warranty [does not affect the secondary sales after they can return]. Faulty for free within one year warranty normal use.

2.Date of purchase is in accordance with invoice date or receipt date is used by seller,on line shopping can cut trade shots.

3.Following situation can not enjoy 'Three Guarantees'service:

- All damages by human factors, including use it under non-normal working environment the and not follow manual in structions.
- User privately disassemble, modification, maintenance;
- Use non-designated or approved accessories cause damage;
- QC warranty stickers damage on cabinet;
- Can not provide avalid purchasing prove;
- Not belong to SMSL products.

4.How to warranty

This terms only suitable for China mainland, other region please refer to the policy of the local sales agents and national.

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