

S.M.S.L

THX

SF200

佛山双木三林科技有限公司

## 产品介绍

- 美国THX公司的THXAAA-888耳机放大电路,并取得THX认证和授权 ;
- 超紧凑设计, 非常适合桌面耳机系统 ;
- 经典复古拨动开关操作 ;
- 平衡立体声耳机输出 ;
- 平衡立体声线路输入 ;
- 高精度低温漂电阻,以适应温度变化 ;
- 高品质继电器和无冲击声设计 ;
- 精选的高精度低失真音量电位器 ;
- 16欧姆输出功率达6W, 32欧时达到3W, 并且此时维持最低失真度 ;
- 0.1 Hz至500 kHz (-3dB) 频率响应 ;
- 高低两档可切换增益控制 ;
- 耳机放大器具有DC, 过压, 过流, 短路和热保护的全面保护 ;
- 高效超低噪声电源。



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## 规格参数

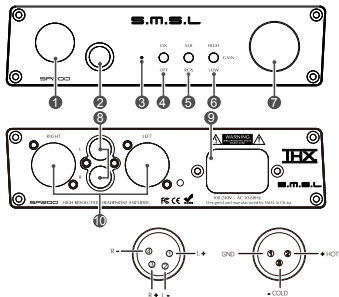
### ■ 音频部分:

输入方式:	平衡 x1, 非平衡 x1
输出方式:	平衡 x1, 非平衡 x1
输出功率:	6W x 2 (16 $\Omega$ ) 3W x 2 (32 $\Omega$ ) 440mW x 2 (300 $\Omega$ ) 220mW x 2 (600 $\Omega$ )
信噪比:	130dB, A-Weighted
剩余噪音:	2.8uV, A-Weighted
THD+N:	-122dB, 0.00007% (1kHz, 32 $\Omega$ )
THD+N:	-117dB, 0.00013% (20-20kHz, 32 $\Omega$ , -3dB)
THD:	-125dB, 0.00006% ( 1 kHz, 16 $\Omega$ , -3dB )
输出抗阻:	接近 0 $\Omega$
频率响应:	0.1Hz - 500kHz(-3dB)
增益 :	低(+6dB), 高(+18dB)

### ■ 其他:

电源电压/电源频率:	AC100-240V, 50-60 Hz
能量功耗(EN60065):	24 W
待机功率:	<0.1W
尺寸:	160x149x73(mm)
包装尺寸:	256x195x74(mm)
重量:	772g

## 接口介绍



- |             |            |
|-------------|------------|
| ❶ 平衡耳机插座    | ❹ 增益选择     |
| ❷ 3.5mm耳机插口 | ❺ 音量控制     |
| ❸ 电源指示灯     | ❻ RCA输入    |
| ❹ 电源开关      | ❼ AC电源输入接口 |
| ❺ 输入选择      | ❽ XLR平衡输入  |

注:

1. 连接耳机前请调小音量, 以免音量过大损坏耳机;
2. 连接耳机前请关闭电源再, 否则会触发耳机保护电路;
3. 根据健康专家的建议, 请勿长时间聆听耳机以免影响听力。
4. 本产品使用带接地的IEC电源插座, 请确保电源线接地良好, 防止意外触电!

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Foshan Shuangmusanlin Technology Co., Ltd.

## Features

- THXAAA-888 Headphone Amplifier with THX AAA Technology;
- Ultra-Compact Design, Perfect for Desktop Systems;
- Classic Toggle Switch for Operation;
- Balanced Stereo Headphone Output ;
- Balanced Stereo Line Input ;
- High Precision Resistors for Temperature Stability ;
- Pop-less Design with High-Quality Relays;
- Selected High Precision Low-Distortion Volume Potentiometer ;
- 6 Watts into 16 Ohm, 3 Watts into 32 Ohm Headphones with lowest THD+N ;
- 0.1 Hz to 500 kHz(-3dB) Frequency Response ;
- 2 Positions Switchable Gain Control ;
- Fully Protection with DC, Over-Voltage, Over-Current, Short-Circuit and Thermal Protection on Headphone Amplifier ;
- High-Efficiency Ultra-Low-Noise Power Supply .



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## specification

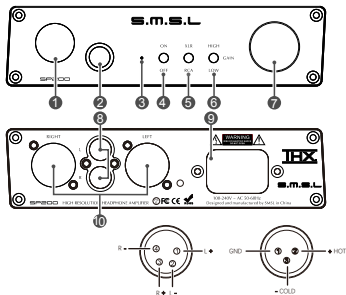
### ■ Audio Section:

Inputs:	Balanced x1, Unbalanced x1
Outputs:	Balanced x1, Unbalanced x1
Output Power:	
	6W x 2 (16 $\Omega$ )
	3W x 2 (32 $\Omega$ )
	440mW x 2 (300 $\Omega$ )
	220mW x 2 (600 $\Omega$ )
SNR:	130dB, A-Weighted
Output Noise:	2.8uV, A-Weighted
THD+N:	-122dB, 0.00007% (1kHz, 32 $\Omega$ )
THD+N:	-117dB, 0.00013% (20-20kHz, 32 $\Omega$ , -3dB)
THD:	-125dB, 0.00006% (1 kHz, 16 $\Omega$ , -3dB,)
Output Impedance:	Near 0 $\Omega$
Frequency Response:	0.1Hz- 500kHz(-3dB)
Gain:	Low(+6dB), High(+18dB)

### ■ General Section:

Power supply voltage/frequency:	AC100-240V, 50-60 Hz
Power consumption(EN60065):	24 W
Power consumption in standby mode:	<0.1W
Size:	160x149x73(mm)
Packing size:	256x195x74(mm)
Weight:	772g

## Parts Name



- |                           |                  |
|---------------------------|------------------|
| ① Balanced headphone jack | ⑥ Gain switch    |
| ② 6.35mm headphone jack   | ⑦ Volume control |
| ③ Power indicator         | ⑧ RCA input      |
| ④ Power switch            | ⑨ Power AC input |
| ⑤ Input switch            | ⑩ XLR input      |

### Note:

- Please turn down the volume before connecting the headphones to avoid excessive volume damage to the headset.
- Please turn off the power before connecting the headphones, otherwise the headphones protection circuit will be triggered;
- According to the advice of health experts, do not listen to the headphones for a long time so as not affect your hearing.
- The product uses an IEC power socket with grounding. Please ensure that the power cord is well grounded to prevent accidental electric shock!

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