

S.M.S.L

THX
TECHNOLOGY



SH-9
USER MANUAL

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

- THXAAA-888 Headphone Amplifier with THX AAA Technology;
- 6 Watts into 16 Ohm, 3 Watts into 32 Ohm Headphones with lowest THD+N ;
- 0.1 Hz to 500 kHz(-3dB) Frequency Response ;
- SNR>137dB ;
- THD<0.00006% ;
- Ultra-Compact Design, Perfect for Desktop Systems ;
- Balanced Stereo Headphone Output ;
- Balanced Stereo Line Input;
- High Precision Resistors for Temperature Stability ;
- Pop-less Design with High-Quality Relays ;
- High precision and low noise 256 level relay volume control ;
*In actual use, in order to make the volume more linear, the extra levels are shielded.
- 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 .
- 1.9 inch LCD display.



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Specifications

■ Audio Section:

Inputs:	Balanced x1, Unbalanced x1
Outputs:	Balanced x1, Unbalanced x1
Output Power:	6W x 2 (16 Ω) 3W x 2 (32 Ω) 440mW x 2 (300 Ω) 220mW x 2 (600 Ω)
SNR:	137dB, A-Weighted
Output Noise:	1.9uV, A-Weighted
THD+N:	-123dB, 0.00006% (A-Weighted)
THD+N:	-117dB, 0.00013% (20-20kHz, 32 Ω , -3dB)
THD:	-125dB, 0.00006% (1 kHz, 16 Ω , -3dB)
Input Impedance:	47k Ω
Output Impedance:	Near 0 Ω
Frequency Response:	0.1Hz - 500kHz(-3dB)
Gain:	Low(+0dB), High(+10dB)

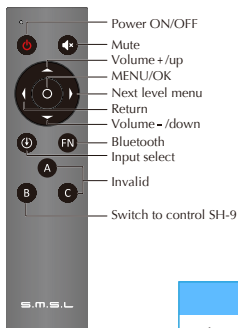
■ General Section:

Power supply voltage/frequency:	AC100-240V, 50-60 Hz
Power consumption(EN60065):	24 W
Power consumption in standby mode:	<0.1W
Size:	187.5x154x40(mm)
Packing size:	282x232x79(mm)
Weight:	790g

Remote control

- Install 2 x AAA batteries 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.

Operating the remote control



Note

1. This remote controller use 2 x R03/AAA batteries.
2. When you first operate SH-9, press the B key first.

Display Interface and Instructions



- | | | |
|-------------------------|---------------------------|-----------------|
| 1 Knob | 2 Display | 3 Remote window |
| 4 6.35mm headphone jack | 5 Balanced headphone jack | 6 RCA input |
| 7 XLR input | 8 Power AC input | |

* Note: Knob

1. Knob: Volume/Menu up or down
2. Button: Press to Menu/Enter
Hold to Return or Power ON/OFF

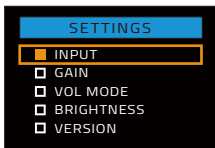
Operating instructions

1. Main



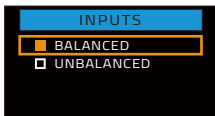
- 1、 Input mode (BAL/RCA)
- 2、 Gain (High / Low)
- 3、 Volume

Display Interface and Instructions



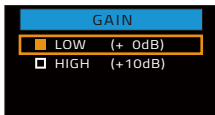
There are 5 pages of settings in this menu.

1. INPUT
2. GAIN
3. VOL MODE
4. BRIGHTNESS
5. VERSION



INPUTS

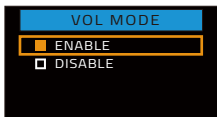
1. BALANCED
2. UNBALANCED



GAIN

1. LOW (+ 0dB)
2. HIGH (+ 10dB)

Display Interface and Instructions

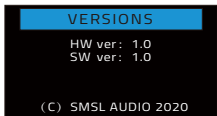


VOL MODE

1. ENABLE: Reduce the frequency of relay operation and increase the service life of relay.
2. DISABLE: When the rapidly rotating volume knob, the relay jumps to the set volume step by step.



Brightness Level: 1 - 6



VERSIONS