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S M S L M3 LOOSE Coaxial Function Hi-Fi Audio Decoder All-in-one Amplifier User Manual

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Product Information

The M3OO SE is a high-quality audio player with a Cirrus Logic CS43131 DAC that provides 0.00013% THD+N(-117dB) and an XMOS XU-316 PCM 32bit/768kHz DSD DSD256 USB MQA. It also features a 5.0 Bluetooth connection, LDO, and a 1.29 OLED display. The M3OO SE has a CNC machined 6.35mm4.4mm output and comes in version 1.0. The device has USB and RCA inputs, with the RCA input providing 2.0 Vrms and the XLR input providing 4.0 Vrms. The THD+N for the RCA input is 0.00013% (-117dB), and the SNR for the XLR input is 120dB and 132dB for the RCA input. The device also has a BT 5.0 (SBC) connection for wireless playback. The M3OO SE is compatible with Windows 7/8/8.1/10, Mac OS X10.6, and Linux operating systems. It supports 1bit to 32bit and 16bit to 24bit sampling rates, with a frequency range of 44.1kHz to 768kHz for PCM and DSD64, DSD128, DSD256, and 32~192kHz for DSD. The device has a maximum output power of 3W.

Product Usage Instructions

1. Connect the M3OO SE to your audio source using the USB or RCA input.
2. Ensure that the M3OO SE is powered on and select the appropriate input source using the OLED display.
3. Adjust the volume using the volume knob.
4. If using the XLR output, ensure that your audio system is compatible with the 4.0 Vrms output.
5. If using wireless playback, ensure that your device is compatible with BT 5.0 (SBC) and pair it with the M3OO SE.
6. Enjoy high-quality audio playback from your audio source.

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 salesperson 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 repair (only the product does not affect the second sale can be returned). Repairing for free in one year if you use it normally.
2. The date of purchase is in accordance with the date on the invoice or receipt used by the seller, and if you buy it online, you can show a screenshot of the trade.
3. If inappropriate usage causes the unit damaged, the warranty will be void. As below.

4. Sending it back to our company for repairing.
5. Contact your S.M.S.L Audio reseller for a return or replacement.

- All damages by inappropriate use, including using it in a non-normal working environment or without following the instructions.
- Dismantling, refitting, and repairing by the user in private.
- Causing damage by using some fittings instead of the designative or accredited ones.
- Cannot provide credible proof of purchase.

Features

- A new series of exterior designs with tempered glass panels, both high-end feeling and durable!
- Cirrus Logic's latest audio decoder chip CS43131, with carefully designed circuitry, achieves an unprecedented 0.00013% (-117dB) distortion performance!
- The new third-generation XMOS XU-316 has PCM support up to 32bit /768kHz, and DSD support up to DSD256.
- USB support MQA decoding.
- Bluetooth 5.0 digital audio input, external antenna, farther transmission distance.
- The clock system uses independent ultra-low clock jitter, and ultra-low phase noise for the audio clock.
- Built-in high-efficiency power supply chip for the decoder to provide sufficient energy, and the use of multiple groups of low-noise LDO power supply.
- The use of a large number of audio-specific audiophile resistors and capacitors.
- The use of a 1.29 "OLED display.
- Fully balanced design, and has a truly balanced output.
- With 6.35mm, 4.4mm balanced headphone output.
- Equipped with full-featured remote control and preamp function.
- All aluminum CNC precision machining chassis to effectively reduce a thousand disturbances.

Specifications

- Inputs ………………………………………………………..USB / Optical / Coaxial / Bluetooth
- Output Level…………………………………………………………………………RCA 2.0Vrms
- XLR 4.0Vrms
- THD+N(UN-WTD)…………………………………………………………….. 0.00013% (-117dB)
- Dynamic range (UN-WTD)……………………………………………………RCA 120dB
- XLR 132dB
- SNR (UN-WTD)…………………………………………………………………………..131dB
- Bluetooth …………………………………………………………………..BT 5.0 (support SBC)
- USB transmission …………………………………………………………………..Asynchronous
- USB compatibility …………………………………………………………..Windows 7 / 8 / 8.1 / 10
- Mac OS X10.6 or Later / Linux
- Bit depth:
- USB …………………………………………………………………………………………1bit ~ 32bit
- Optical/coaxial ………………………………………………………………………16bit ~ 24bit

- Sampling rate:
- USB ……………………………………………………………………………44.1 ~ 768kHz
- DSD64, DSD128, DSD256
- Optical/coaxial …………………………………………………………………32 ~ 192kHz
- Power Consumption …………………………………………………………………………..3W
- Standby power ………………………………………………………………………….. 0.1W
- Size ………………………………………………………………………….70x73x165mm (WxHxD)
- Weight …………………………………………………………………………..0.54Kg

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

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

Power ON/OFF

Up

No function

No function

Return

Down

Input select

Mute

FN

Volume +

Volume -

S.M.S.L

RC-8C
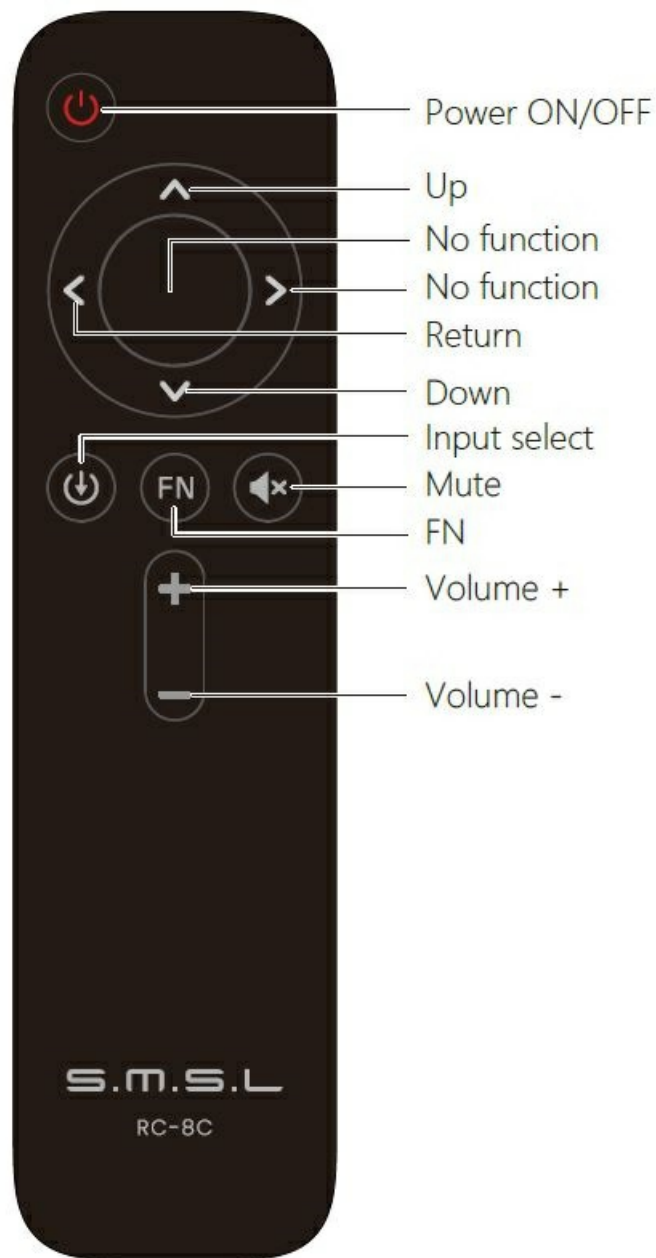
Note
This remote controller use 2 x R03/AAA batteries.

Display Interface and Instructions

1. Display
2. Remote window
3. Input botton
4. Power switching button
5. 6.35mm headphone output
6. 4.4mm headphone output
7. Knob
8. Balanced output
9. Coaxial input
10. Optical input
11. RCA output
12. Bluetooth antenna
13. USB Input
14. Aux Power Supply*Note

Note

1. This is the Aux power input, when you use phones to connect the USB, you need to connect a 5V DC power for avoiding the phone overcurrent ;
2. You cannot use the Quick-Charge power for this connector, because of the Quick-Charge power may output over 5V, which is dangerous for this unit

Instructions

INPUTS

- USB
- BT
- OPT
- COA

DIMMER

- 5 seconds ~ 30 seconds (The range is 5 seconds-30 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.)

OUTPUTS

- ALL
- LINE
- HP

PRE MODE

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

- VARIABLE: The output interface volume is controlled.
- FIXED: The volume of the output interface is fixed.

BRIGHTNESS

- LEVEL 1 ~ LEVEL 4

FN KEY FOR
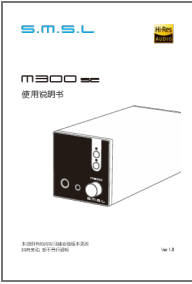
- BLUETOOTH

Short press: Directly select Bluetooth input;
Long press: Bluetooth re-entry.

BTRESET

- In Bluetooth mode, enter menu 6-6 (basket tooth reset), at this time long press the remote control "up" button for 3 seconds, the implementation of Bluetooth reset, then you can match the Bluetooth phone again.

RESET

- In the power-off state, press and hold the knob and don't release it, then plug in the USB cable and perform the system reset.

Documents / Resources

[S M S L M3 LOOSE Coaxial Function Hi-Fi Audio Decoder All-in-one Amplifier](#) [pdf] User Manual
M3 LOOSE Coaxial Function Hi-Fi Audio Decoder All-in-one Amplifier, M3 LOOSE, Coaxial Function Hi-Fi Audio Decoder All-in-one Amplifier, Hi-Fi Audio Decoder All-in-one Amplifier, Decoder All-in-one Amplifier, Amplifier