S.M.S.L

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 alesperson 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 uesd 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

- Hi-End CD solution, support MQA-CD;

- Flagship DAC chip AK4499EX, measured distortion as low as 0.00006% ;

- Support USB input, support 32bit/768kHz, DSD512, support MQA full decoding;

- Use 2 clock sources with low phase noise and high accuracy;

- High-performance headphone amplifier with patented PLFC circuit;

- With XLR balanced line outputs.

- With optical and coaxial outputs, and can output USB, CD, Bluetooth;

- High-performance digital interface designed to convert input signals to SPDIF output for peripheral devices.

- Fully bonded IPS display and newly developed UI using tempered glass;

- Uses 3 pieces of high-end dual op-amps and lots of audiophile components;

- The use of 2nd PLL, eliminating the SPDIF transmission process of JITTER; the new self-developed CK-03 clock processing circuit, greatly reducing the clock jitter.

- New self-developed CK-03 clock processing circuit, greatly reducing clock jitter;

- Support DOP independent display function, accurately determine the current decoding format.

- Built-in low-noise power processing, while improving power efficiency, lower power consumption;

- With a number of low-noise voltage regulator, to provide a stable, reliable, efficient and low noise power supply system.

- Qualcomm Bluetooth chip, support LDAC (24bit/96kHz), APTX/HD, SBC, AAC;

- High-quality all-aluminum alloy chassis, supporting high-quality gold-plated output connection terminals;

- Japan Audio Association (JAS) Hi-Res certified;

- Equipped with remote control and full-function remote control.

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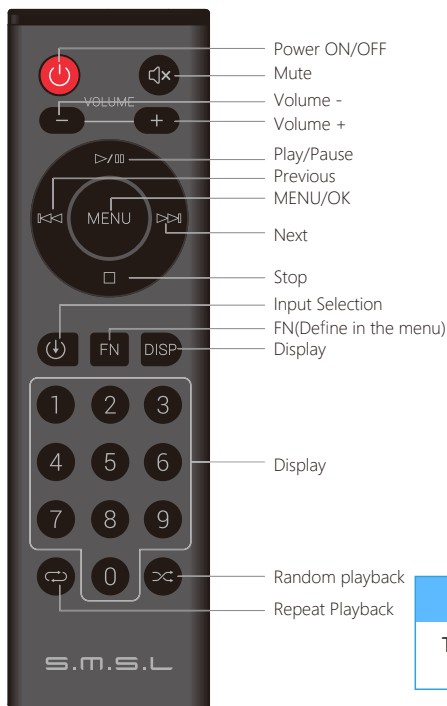
Specifications

Input...USB/Bluetooth/CD player

Output...RCA/XLR/Headphone/Coaxial/Optical

THD+N ....0.000068%(-123.5dB)(UN-WTD)

Dynamic range .... XLR   132dB

                                                                                                            RCA   127dB

SNR .... XLR   132dB

                                                                                                            RCA   127dB

Headphome output power...1000mW x 2(32Ω)

USB transmission...USB2.0Asynchronization

USB compatibility ....Windows 7 / 8 / 8.1 / 10 / 11(needs drive)

                                                                                Mac OSX 10.6 or later,Linux(driveless)

Sampling rate ....USB   PCM   44.1 ~ 768kHz

                                                                            DSD   2.8224 ~ 22.5792MHz

Bluetooth specifications .... 5.1(Support SBC,AAC,aptX,aptX HD,LDAC)

Power Consumption 10W

Standby power... <0.5W

Size...200X42X175mm(WxHxD)

Weight 1.7kg/3.74lb

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.
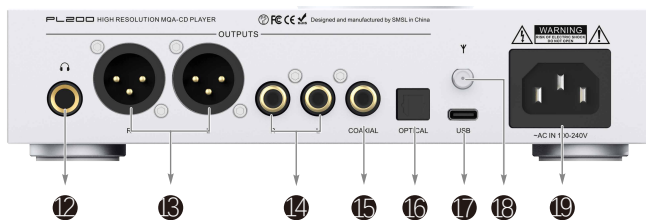
Operating the remote control

Power ON/OFF
Mute
Volume -
Volume +
Play/Pause
Previous
MENU/OK
Next
Stop
Input Selection
FN(Define in the menu)
Display

Display

Random playback
Repeat Playback

Note

This remote controller use
2 x R03/AAA batteries.

Display Interface and Instructions

1 Disc cover	**2** Disc Pressure	**3** Disc Placement Area
4 Next	**5** Previous	**6** Stop
7 Play (long press)/Pause	**8** Function knob (long press to turn off)	**9** Remote window
10 Indicator light	**11** Display Screen	**12** Headphone output
13 XLR balanced output	**14** RCA Output	**15** Coaxial Output
16 Optical Output	**17** USB Input	**18** Bluetooth Antenna
19 AC input		

Instructions

■ Turn on/off

- First connect the signal cable on the back of the machine;

- Plug in the power cord and the screen lights up to enter the power-on state;

- In the power-on state, long press the knob on the panel (part introduction - NO.8) for about 2 seconds or press the on/off button on the remote control (corresponding to the icon of the remote control), the screen goes out, the machine will stop playing and turn off most of the power.

- If you do not use the unit for a long period of time, separate the AC input power cord from the mains socket.

■ Selecting audio source

- Short press the knob on the panel to enter the menu, select INPUTS, user can switch the audio input signal to "CD Player, USB input, Bluetooth input".

- User can press the input shortcut key on the remote control to switch the audio input signal to "CD Player, USB input, Bluetooth input".

■ CD Playback

- Switch the current music input signal to the CD player;

- Take out the disc cover and disc pressure (part introduction - NO. 1 and 2), put in the CD disc and put back the disc pressure and disc cover, the machine will automatically enter into the playing state;

- Take out the disc cover and the disc pressure (part introduction-NO.1 and 2), put in the CD disc and put back only the disc pressure, then long press the play/pause button on the panel (part introduction-NO.7), the machine enters into the playing state.

■ USB Playback

- Switch the current music input signal to USB AUDIO;

- Connect a device that supports USB Audio through the data cable;

- After the device is connected, use the playback software to play the music output to "SMSL USB DAC";

■ Bluetooth playback

- First check if the Bluetooth antenna is correctly installed (part introduction - NO.18);

- Switch the current music input signal to BLUETOOTH;

- At this time, the Bluetooth of this machine will always be in a searchable state, open the smart device to search;

- Select "SMSL PL200" among the searched devices.

- After the Bluetooth is connected, play the music on the smart device.

■ Stop

- Press the stop button [□] on the panel or remote control to stop the current playback;

- When you want to change the disc in CD playback state, please press the stop button on the panel or the remote control first to stop the current playback state.

- When user want to change the disc in CD playback state, please press the stop button on the panel or on the remote control to stop the current disc playback first, and then take out the disc cover and disc pressure.

■ Pause Playback

- During CD playback, if user want to interrupt the playback and enter the pause state for a short period of time, user can press [▷/◫◫] on the panel or the remote control, at this time, the display shows PAUSE on the upper left side of the screen, and if user press the button again, it will return to normal playback state.

■ Previous Song

- In the CD playback state, press the previous song button [◁◁] on the panel or remote control, if the playing time of the current song is less than 3 seconds, it will skip to the previous song. If the playing time of the current song is more than 5 seconds, it will go back to the beginning of the current song, and then press it again to skip to the previous song, which will interrupt the original purpose of the song and enter into the playback of the previous song.

■ Next Song

- In the CD playback state, if you want to skip the current song, just press the next song button [▷▷] on the panel or remote control to skip to the next song, which interrupts the playback of the original song and enters into the playback of the next song.

Switching to a specific song

- In the CD playback state, if you want to skip to the specified song, user can press the number combination on the remote control to tune to the specified song; if you want to tune to the twelfth song, you need to press "1" and "2" on the remote control.

Random Play

- In the CD playing state, press the random play button [⤲] on the remote control, the corresponding icon will be shown on the display. The machine will randomly play the disc songs until all the songs are played.

- Press the random play button or stop button again to cancel the random play status.

Repeat Play

- If user want to repeat the current song continuously, press the Repeat Play button on the remote control once, the display will show the icon [⟳] . If you continuously replay the songs on the whole disc, press the Repeat Play button again and the display shows the [⟲] icon. If you want to cancel the Repeat Play function, press the Repeat Play button again.

Display Time Setting

- During CD playback, the display shows the playing time of the current song. To switch the display to show the remaining time of the current song, press the [DISP] key on the remote control once.To switch the display to show the remaining time of all songs, press the [DISP] key on the remote control again.

Menu Settings

- Short press the panel knob in the main interface or press the MENU button on the remote control to enter the setting menu interface.

- Rotate the panel knob or the direction keys on the remote control: Up and down selections can be made.

- Short press the knob or MENU button on the remote control: Confirm the selection. Long press the knob or the left direction button of the remote control: to return to the previous menu.

Mute

- Press the mute button on the remote control in the playback state, the display shows the mute icon, at this time, RCA and XLR have no sound output.

- In the mute state, press the mute button on the remote control again, the RCA and XLR resume the normal playback state.

Instructions

◼ INPUTS

- CD PLAYER
- USB AUDIO
- BLUETOOTH

◼ OUTPUTS

- ALL LINE OUT
- HEADPHONE OUT
- BALANCED
- UNBALANCED

◼ PCM FILTER

- SHARP ROLL-OFF
- SLOW ROLL-OFF
- SHORT SHARP
- SHORT SLOW
- SUPER SLOW
- LOW DISPERSION

◼ DSD FILTER

- WIDE
- NARROW

Instructions

■ HPA GAIN

- LOW
- HIGH

■ SOUND COLOR

- SOUND 1(5.6M)
- SOUND 2(5.6M)
- SOUND 3(11M)
- SOUND 4(11M)

> The AK4499EX working sample rate of 5.6MHz.
> The AK4499EX working sample rate of 11.2896MHz.

■ PRE MODE

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

- VARIABLE   : The output volume is controlled.
- FIXED   : The output connector volume is fixed.
- FIXED DSD BYPASS :
  Open the DSD direct access function. At this time, the volume of PCM or DSD is not adjusted. The output amplitude is fixed to about 3.7VRMS. When this function is opened, the DSD is not processed at all, and the output is directly output.
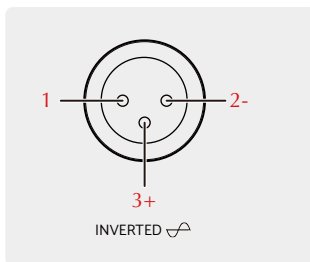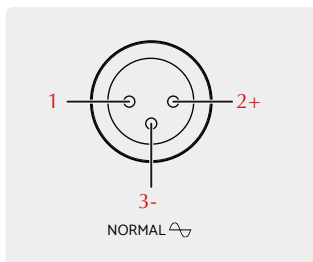
■ FN KEY FOR

- Switch LINE/HPA
- OUTPUTS
- BLUETOOTH
- PHASE

Instructions

■ AUDIO PHASE

- NORMAL (2+,3-)
- INVERTED (2-,3+)

■ DIMMER

- 5 second ~ 60 second

(The range is 5 seconds-60 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.)

■ BRIGHTNESS

- LEVEL 1 ~ LEVEL 6

■ RESET

- During Bluetooth input, long press the middle button of the knob, the system will only reset the Bluetooth pairing status;
- During other input, long press the middle button of the knob, the system will clear all settings, including Bluetooth.

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 PL200 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

- PL200 support MQA decoding!

- PL200's MQA playback does not require the use of special playback software, such as foobar2000, Audirvanaplus only needs to support ASIO or WASAPI audio output, and when playing MQA audio, it is best to adjust the volume of the computer to the maximum,so that the audio output of the computer is in the best condition.

- When playing an MQA file, the sampling rate of the original master recording is displayed.

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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.