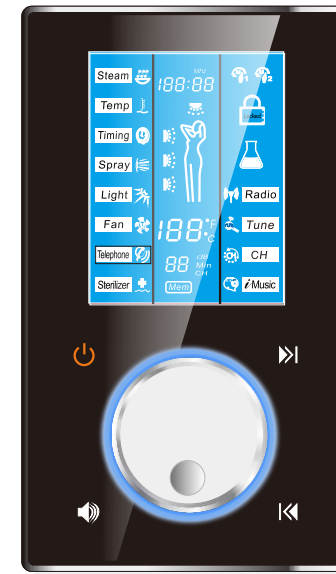


Functional specification



MOEL : S198E/
S198EHC

Fault code:

Display on nixie tube	Fault Name	Cause	Description
E10	Overtime water intake	A. General water valve is not open; B. Failure of inlet valve control system; C. Failure in water level detection.	After the steam function is turned on ,the system will open water inlet after it detects shortage of water. If the system shows no water after 10 seconds or the tank remains unfilled after 1 minute, the system would report “E10” fault as well as turn off steam function and inlet valve.
E16	Temperature anomaly	A. Failure of temperature detection circuit; B. Failure of temperature probe.	When the system is turned on ,it shows “E16” fault and turn off the steam function. Cut off the power and check the temperature probe as well as related lines
E18	Communication Fault	A. Short circuit or open circuit in communication line; B. Fault of communication driver circuit; C. Damage of CPU I/O port.	During normal use, the board and the display box have communication problems for five successive seconds, the system shows “E18” fault and automatically turn off all external load. Please check whether the computer cables are properly connected.

Technical parameters:

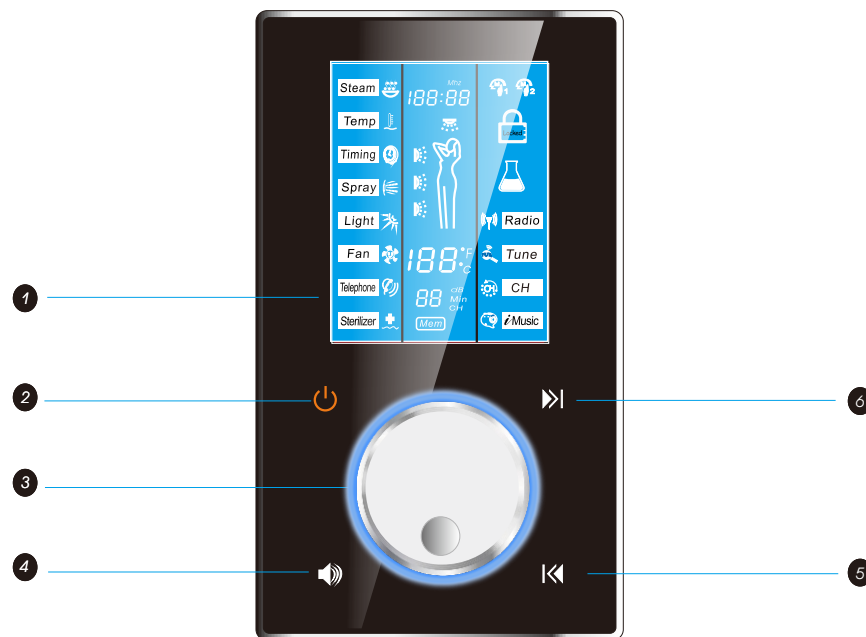
Conditions & features				
Rated voltage	Ac220-240V	Rated frequency	50HZ	
Rated current	15A	Rated power	3000W	
Insulation resistance	>20MΩ	waterproof rating	IPX 5	
load configuration parameters				
Load Category	Rated load voltage	Rated load frequency	Rated load power	Other
Steam	Ac230V	50Hz-60Hz	3000W	——
Lighting	DC 12V	——	10W	——
Fan	DC 12V	——	5W	——
Solenoid valve	DC 12V	——	6*5W	——
Speaker	——	——	8Ω/10W	——
Ozone	DC 12V	——	5W	——

Size of control box	
Panel	L*W*H= 177 * 105 * 20 (mm)
Electric control box	L*W*H= 195 * 135 * 75 (mm)

Note 1: We follow the general requirements and enterprise product standards regarding the safety of electrical appliances for household use or similar purposes.

Manual drain:

Turn off the system, press the shuttle switch for 2 seconds to open the drainer, keep pressing the shuttle switch until all water drains.



- ① -----LCD screen
- ② -----Power switch
- ③ -----Shuttle switch
- ④ -----Volume control
- ⑤ -----Last song
- ⑥ -----Next song

function. Then the LCD would show channel and the icon “Frequency”^{Mhz} would flash. Rotate the shuttle switch to turn on incremental tuner or momentarily press and on the remote control to switch channels. The step length is 0.1MHz.

In radio mode, touch or to start automatic upward, downward search; or press on the remote control to enter channel search mode and press or on the remote control for one second, which would start automatic upward, downward search until a valid station is obtained.

After unlocking the panel and exiting from function settings, touch or . The cursor would automatically return to and start the automatic upward, downward search until a valid station is obtained

② Station storage: when a radio station has been found (the “radio frequency” icon would flash), press the shuttle switch for 2 seconds or press on the remote control for 2 seconds to store the current radio frequency. The LCD would show the frequency and icon would flash for two seconds; in this way, at most 10 radio frequencies can be stored on different channels.

③ Frequency range: 87.5 ~ 108.0MHz.

④ Switch of channels: When the radio is turned on and the panel is unlocked, move the cursor to press the shuttle switch, rotate the shuttle switch or momentarily press on the remote control to switch channels and play programs on the stored radio channel.

7. Bluetooth

Turn on the system and the power supply of Bluetooth module. Bluetooth module would connect to cellphone 5 seconds later; Bluetooth module would break the connection and refuse connection request when the system is turned off.

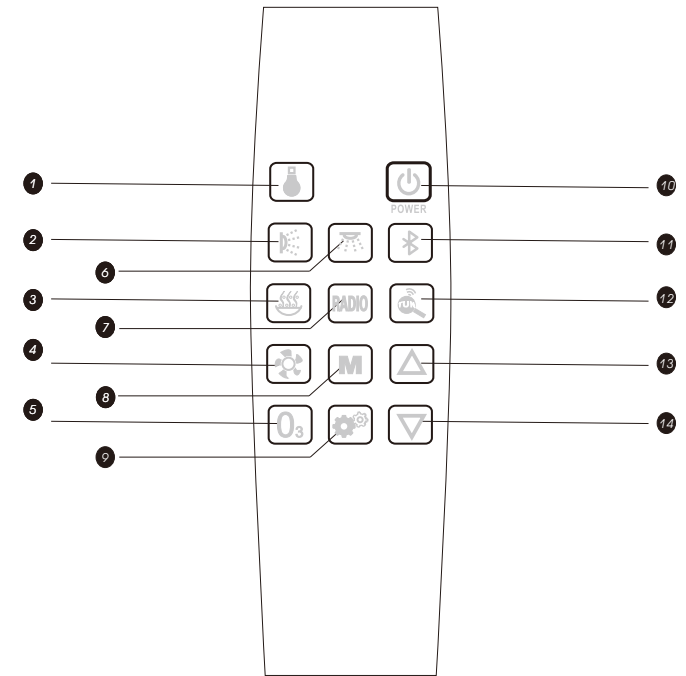
Move the cursor to and press the shuttle switch or momentarily press on the remote control to turn on or turn off the Bluetooth function. After Bluetooth is enabled, icon would flash for no connection and would be dynamically displayed for successful connection. The screen would show "OFF" when the music halts and "On" when the music goes on.

After turning on Bluetooth player, momentarily press on the panel to switch to the next song, momentarily press on the panel to switch to the previous song. When using remote control to switch songs, you first need to press on the remote control to song switch mode, then press to switch to the next song and for the previous song.

8. Phone function

After turning on the system and completing Bluetooth connection, the cursor would automatically move to “Telephone” icon, the icon would light up and would flash when a phone call comes in. Press the shuttle switch to answer the phone, the icon would be dynamically displayed. Then press the shuttle switch to hang up the phone and the multimedia player would automatically return to the original state.

During the access to or reception of phone calls, the cursor can only move between non-multimedia functions and phone. After the cursor moves to a non-telephone icon, it would automatically return to the phone icon for no operation in five seconds. Multimedia control keys on the remote control will be disabled during ringing and reception of calls. When a phone call comes in, touch to reject the call.



- ① -----Lighting function key
- ② -----Side spray function key
- ③ -----Steam function key
- ④ -----Fan function key
- ⑤ -----Ozone function key
- ⑥ -----Overhead spray function key
- ⑦ -----Radion function key
- ⑧ -----Channel storage function key
- ⑨ -----Setting function key
- ⑩ -----Switch function key
- ⑪ -----Bluetooth function key
- ⑫ -----Turning/song switch function key
- ⑬ -----Tune rising function key
- ⑭ -----Tune falling function key

⑥ 如果选择冷热水系统(EHC) This function is cancelled

I.notes:



- 1.this panel is equipped with capacitive touch buttons,make sure to avoid direct contact with shower head while selecting installation location of the panel.Otherwise it would lead to maloperation or trigger the panel lock.
- 2.all function keys are located at the most convenient locations.
- 3.the panel would give a sound once being energized.

II.function introduction



- 1、 spray massage; 2、 steaming; 3、 exhaust fan; 4、 FM;
5、 lighting; 6、 ozone disinfection; 7、 bluetooth; 8、 telephone

(1) start up/shut down and unlocking of panel



①、 startup

Touch  on the panel or press  on the remote control to turn on the system.The back light of shuttle switch and LCD screen would light up;the screen would show current temperature.The system would automatically set a countdown of one hour and turn on the overhead light.


②、 shutdown

When the system is operational and unlocked,touch  on the panel or  on the remote control to turn off the system.It would also stop functioning as the countdown ends

③、 Locking / unlocking of the panel






When the system is operational.The panel would be locked for no operation in 30 seconds and the icon  on the LCD screen would light up,press shuttle switch to unlock the panel.The icon  would disappear and all keys on the panel would become operable.





(2) Instruction for use






After startup the default location of cursor would be **Steam**  .Rotate the shuttle switch to move the cursor.After the cursor moves to a function,press the shuttle switch or the function keys on the remote control to quickly turn on and turn off the function.The icons would light up after functions are turned on and vanish after functions are turned off.

(3) operating instruction

1. Setting of steam function, temperature and duration

- ①. Move the cursor to **Steam**  ,press the shuttle switch or momentarily press  on remote control to start the steam bath function. After startup, the icon  would light up.
 would flash for shortage of water. Press the shuttle switch or  on remote control again to turn off the steam function. After the steam function is turned on, the steam machine would shut down automatically as the steam temperature reaches the set value and reopens as the steam temperature falls below the set value.
- ②. The default steam temperature is 45 °C and the default duration is 45min.
- ③ Setting of steam bath temperature: After turning on the steam machine, move the cursor


to **Temp**  , press the shuttle switch or momentarily press  on remote control to enter the temperature setting mode. As the icon °C flashes, rotate the shuttle switch to adjust the temperature or press  on the remote control to raise the temperature or  to lower the temperature. Temperature setting range: 25 ~ 60 °C.



④ setting of duration: After turning on the steam machine, move the cursor to **Timing**  , press the shuttle switch or momentarily press  on remote control to enter the temperature setting mode, then momentarily press  once again to enter duration setting mode. As the icon *Min* flashes, rotate the shuttle switch to adjust the time or press  on the remote control to increase the time or  to decrease the time. Timing range: 5 ~ 50min.

⑤. Settings of temperature and time would automatically take effect in 3 seconds, the system would exit the temperature and time setting mode.




⑥ Drainage: 5 minutes after the shutdown of system, the steam tank would drain water for 3 minutes.




2. Spray

Move the cursor to **Spray**  and press the shuttle switch. The first press would turn on upper spray; the second press--switch to middle spray; the third press--switch to lower spray; the fourth press would start the automatic cycle of upper, middle and lower spray; the fifth press--switch to overhead spray. There is a 1-second delay before the overhead spray starts; the sixth press would turn off the spray. The spray type would change every 5 seconds in the cyclical mode.




In the case that the remote control is used to control the spray, momentarily press  on the remote control. The first press would turn on upper spray; the second press--switch to middle spray; the third press--switch to lower spray; the fourth press would start the automatic cycle of upper, middle and lower spray; the fifth press would turn off the spray. When the overhead spray is off, press  on the remote control to open overhead spray (other sprays are off). Then press the button again to turn off overhead spray.

3 Exhaust fan function




Move the cursor to **Fan**  and press the shuttle switch or momentarily press  on the remote control to turn on or turn off the exhaust fan. Icon  would light up after startup.



4. Move the cursor to **Light**  and press the shuttle switch or momentarily press  on the remote control to turn on or turn off the lights. Icon  would light up after startup.

5. Ozone disinfection

When steam machine, spray, fan and multimedia are off, move the cursor to **Sterilizer**  and press the shuttle switch or momentarily press  on the remote control to turn on or turn off the ozone. After startup, icon  would light up and all other functions would be disabled except lighting function. Emission of ozone would last 10 minutes, then the exhaust fan would automatically start and operate for 15 minutes.

6. Radio Function

Move the cursor to **Radio**  and press the shuttle switch or momentarily press  on the remote control to turn on or turn off the radio function. Icon  would light up after startup.

① Channel search: After turning on the radio function, move the cursor to **Tune**  and press the shuttle switch or press  on the remote control to turn on the channel search