



I. Safety



Danger symbol: It is to remind users there is dangerous voltage in the device!



Warning symbol: The symbol is to remind users there are important operation & maintain manual attached!

【Warning】

1. In order to prevent fire or electric shock accident, do not expose the controller to the rain or humid environment. There are dangerous high-tension fittings inside the controller, therefore do not open the cover. Entrust the repairing work only to the qualified professional repairing personnel when repairing is required.
2. Due to the high temperature of steam generator and metal dampness, in order to prevent scalding and electric shock, please switch off the main power supply of this controller and stop heating for 30 minutes before touching it.
3. Without the clear approval from the controller manufacturer or its authorized units, any change or alternation to this controller might bring various inconveniences to the users when in use.

【Attention】

1. Please read this operating instruction manual thoroughly, so as to allow you to master the correct use of this controller.
2. After reading this operating instruction manual, please keep it safe and for reference in the future. If repairing is required, please contact the local dealer or the technical service center of our company.

【Notice for use】

1. In case this controller is not used for a long time, please remove the power plug from the socket.
2. Before switching on the power, please make sure that all wirings and power cord have been connected accurately.
3. Please put this controller in a ventilated dry area. Prevent it from getting close to the



heat source, put it away from direct sunlight, mechanical vibration, dampness and dusty environment, and prevent it from getting close to other thermal-radiating objects.

【Helpful suggestion】

1. In order to prolong the service life of this controller, the time interval for continuously turning on and off the machine must be over 30 seconds.
2. Please switch off the power after use.
3. The power supply used must be consistent with the voltage specified value indicated on this controller; otherwise it will not work, or even burn out the controller.
4. When installing this controller, carefully check if the load parameters are consistent with the parameters required by this controller, otherwise it will not work, or even burn out the controller.
5. If it is halted accidentally, please close and restart.

II. Brief introduction

1. General description of the functions

FUNCTIONS		MODEL	PR5534_01
1.	LCD Display		√
2.	Inducing Technology		√
3.	7 color lamp		√
4.	Steam sauna		√
5.	FM digital turning Radio		√
6.	CD		√
7.	Temperature display & setting		√
8.	Ozone		※
9.	Malfunction self-inspection and alarm		√

2. The controller system includes

- 1) Control panel (1);
- 2) Control electric box (1);
- 3) Steam generator (1)

3. Characteristics of the controller

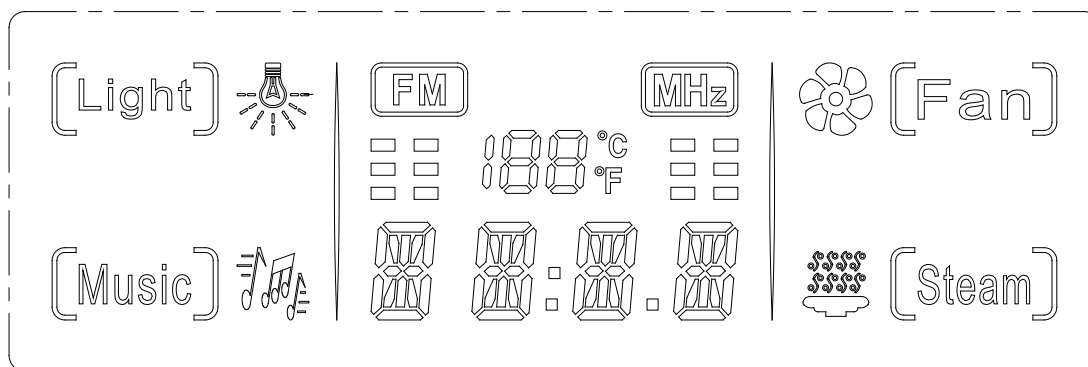
- 1) Rated voltage : AC220V



Instruction Manual for 6100 steam cabins

- 2) Working voltage : AC180V ~ AC248V
- 3) Rated power : 50Hz
- 4) Controllable current : Max 23A
- 5) Power consumption : <10W (all loads off)
- 6) Applied ambient temperature : +5°C ~ +40°C
- 7) Sensitivity to the noise limit of the radio : 20 dB μ V
- 8) Telephone ringing level : AC45V ~ AC55V
- 9) Step-down transformer meeting the requirements of 1500V high voltage test as specified by IEC standard

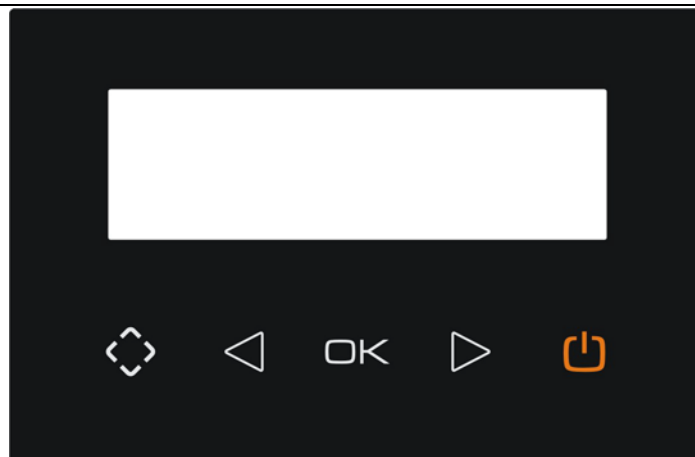
4. LCD shows the following information



5. Characteristics of the remote controller

- 1) 7 color lamp : DC12V/5W
- 2) Loudspeaker : 8 Ω /15W
- 3) Ozone generator : AC12V/Max6W
- 4) Steam generator : AC220V/3000W

6. Schematic Diagram of control panel:



Keys:



Function confirm



Right



Left



ON/OFF

OK Confirm

III.Operation of Control Panel

1 When any function button works, there is a sound of di... di... .

2 Lock

2.1 Without any operation with the control panel for 3 minutes, the keys will be locked and LCD displays "LOCK", then all the keys will be locked; press any key to unlock the keys, "LOCK" on LCD disappears.

3  ON/OFF

3.1 Press "" to turn on the controller, 7 color lamp are turned on, press again to turn off the controller, all functions will be turned off.

4 7 color lamp

When the system is on, press "" or "" to move the cursor to "Light", press "OK" to turn on the lamp (7 color changes automatically), light icon on LCD blinks; press "OK" again to choose the colors; press "OK" continually for 2 seconds to turn off the lamp, light icon on LCD stops blink.

5 Steam sauna

5.1 When the system is on, press  or  to move the cursor to "Steam", press "OK" to turn on the steam generator, steam icon on LCD blinks; water intake valve opens automatically and water come into the steam generator.

5.1.1 If the water level sensor checks the water level achieves the setting value, the water input stops and the steaming function starts. The controller commands the inner temperature according to the defaults (Inner temperature is 45°C, time default is 45 minutes). It supplies water if needed.

Control rule:

Inner temperature > Default temperature + 1°C; The steam generator stops heating.

Inner temperature < Default temperature - 1°C, The steam generator reheats.

5.1.2 When run out of the work time, steam function stopped automatically.

5.2 Press "OK" again to turn off the steam function, steam icon stops blink.

5.3 Temperature setting

5.3.1 When the steam function is on, press  continually till temperature on LCD blinks, then press  to increase the temperature, press  to decrease the temperature.

5.3.2 Temperature setting scope: 25 °C—60 °C

5.4 Time setting

5.4.1 When the steam function is on, press  continually till time on LCD blinks, then press  to increase the time, press  to decrease the time.

5.4.2 Time setting scope: 10—60 minutes.

6 FM digital turning radio

6.1 The FM frequency scope is 87.5MHz—108.0MHz.

6.2 When the system is on, press  or  to move the cursor to "Music", press "OK" to turn on the FM radio, "FM" will display on LCD; press "OK"

again to turn off the FM radio, "FM" will not show on the LCD.

- 6.3 When the FM radio is on, press "" continually till "FM MHz" displays on LCD, press "" to increase the length of one step(the length of one step =100KHz); press this button over 2 seconds, the system searches the radio stations of larger frequencies automatically; the digital phase locked loop will lock the FM station automatically and the liquid crystal shows the frequency of this station; when it reaches to the limit of 108.0MHz, press this button again and the frequency jumps to 87.5MHz.

- 6.4 When the FM radio is on, press "" continually till "FM MHz" displays on LCD, press "" to decrease the length of one step(the length of one step =100KHz); press this button over 2 seconds, the system searches the radio stations of larger frequencies automatically; the digital phase locked loop will lock the FM station automatically and the liquid crystal shows the frequency of this station; when it reaches to the limit of 87.5MHz, press this button again and the frequency jumps to 108.0MHz.

- 6.5 When the FM radio is on and the cursor select "Music", press "" continually till LCD displays "VOL", then press "" to increase the volume, press "" to decrease the volume, the adjusting range 0-20.

6.6 Radio station memory/select

- 6.6.1 Radio station memory: When you want to save the station, press this icon "" continually till LCD displays "XX-CH", then press "" and "" to choose the position to be stored(total 18positions), then press "OK" to confirm the position.

- 6.6.2 Radio station select: When FM function is on, press the icon "" continually till LCD displays "XX-CH", then press "" and "" to choose the position.

7 CD (if choose)

7.1 When the system is on, press " or " to move the cursor, when the cursor select "Music", then press " continually till LCD displays "AUX", then press " to turn on the CD function; press " again the turn off the CD function.

7.2 When the CD function is on, press " continually till LCD display "VOL", then press " to increase the volume, press " to decrease the volume. The adjusting range 0-20.

8 Mp3 (if choose)

8.1 When the system is on, press " or " to move the cursor, when the cursor select "Music", then press " continually till LCD displays "MP3", then press " to turn on the MP3 function; press " again the turn off the MP3 function.

8.2 When the Mp3 function is on, press " continually till LCD display "MP3", then press " to play the next song, press " to play the previous song.

8.3 When the MP3 function is on, press " continually till LCD display "VOL", then press " to increase the volume, press " to decrease the volume. The adjusting range 0-20.

9 Ozone

9.1 Press " to turn off the controller, then the ozone generator turned on automatically and works for 10 minutes.

10 °C ↔ °F

10.1 User can choose the temperature unit(°C or °F)

10.2 When the system is on, press " continually for 2 seconds to switch from °C and °F.

IV. Malfunction Intelligent Check & Alarm

- 1 This system is equipped with 5 malfunction self-diagnose functions.
- 2 Malfunction:
 - 2.1 E1: Malfunction of temperature sensor: when the sensor breaks out or short-circuit happens, liquid crystal shows "E1" and sound "Du, Du,". The buttons of the controller do not work. By the time, cut off the primary power and clear the malfunction.
 - 2.2 E2: Malfunction of Water level checking: 1) During the steam generator is working, the water level checking doesn't work. If the water level is lower than the checking one, no water is coming in, the bobber is sticking or the probe is furring, liquid crystal shows "E2" and sound "Du, Du ...". Stop the steaming, when the water level is normal, liquid crystal doesn't show "E2". 2) When the cleaning function is on, the water level cannot achieve the checking value within 60 seconds, liquid crystal shows "E2" and sound "Du, Du ..." and the cleaning function stops.
 - 2.3 E3: Malfunction of Overtime water level checking: When the water level checking malfunction "E2" alarms for over 2 minutes, the power is still on and the malfunction is not cleared, the liquid crystal shows "E3" and sound "Du, Du,". By then, cut the primary power and clear the malfunction.
 - 2.4 E5: Dry heating: When the water level checking doesn't work, the steaming continues heating without water those results in a higher temperature. By then, if the temperature $\geq 108^{\circ}\text{C}$, the liquid crystal shows "E5" and sound "Du, Du,". By then, cut the primary power and clear the malfunction.
 - 2.5 E6: Malfunction of over draining: when the cleaning function is on, if the cleaning liquid cannot be drained within 60 seconds, LCD shows "E6" and sound "Du, Du ...", the cleaning function stops.

V. Attention

In order to guarantee the products function, prolong its lifetime and ensure the

safety during using, please read the following items carefully before using:

1. The end user should carry on the load installation strictly according to the wiring diagram and parameters.
2. The ground wiring should be connected to the normal-running supply circuits, so as for the steaming.
3. The end user should use power supply cables in 3 x 3mm² or wider cable diameter. According to the National standards (GB). The socket should be of 30A or above according to the National standards (GB).
4. The end user should install air-break or leakage switch of 30A or above according to the National standards (GB).
5. Please check strictly the wire of input water pipe, steaming pipe, power box and control box. After confirming every part is OK, then you can start the shower device. (specially, make sure all operation should keep inside water.)
6. The steaming device and power box cannot be installed in the sauna shower; it should be installed according to the instruction on the shell.
7. The inner hole of steam input pipe should be above 15mm; installing valve in the output pipe is forbidden.
8. Please do not install the equipments of bad quality that manufactured by illegal factories to the steaming device; Disassembling, changing the fixed inner wiring or connect some wiring to the power box are forbidden.
9. The water quality should comply with the local water standards.
10. During installation, connect drainage pipe to the steaming device and lead the water our-side of the shower. It's better to install a filter to the input so as to prolong the lifetime.
11. In the hard-water area, please wash the steaming device and remove the dirt periodically. The special water level sensor is probe (indicated by label on the steaming device surface). Normally, the user should check every 3 months and do the washing according to the practical condition. Suggesting washing methods: dilute 5~10gs of citric acid with 1.4 liters of water, disassemble the connection pipes of

steaming device, pour the diluted liquid into the steaming device and assemble the connection pipes. After 60 minutes, start the machine and heat 30 minutes, then stop the device and drain out the water of the tank.

12. The connection wire of power box should wire according to the specification, the output wires should connect correctly to avoid short-circuit.
13. After using, please cut off the power to avoid aging of the device.
14. The installation of the controller should be carried out by qualified personal according to the installation manual.
15. Do not try to repair of the modifier parts of the controller, and the high-voltage might cause danger. All the maintenance and repairing should be carried out by qualified personal.

For any consequences caused by wrong operation, the user should bear the responsibility.

VI. Declaration

- 1) Any maintenance or repairing should be handled by qualified maintenance personal authorized by the manufacturer or agent of this controller. Otherwise, the products cannot enjoy free maintenance and any results will be bore by the customer.
- 2) This manual is just for reference. If there are any changes or modifications on the design or explanation, please excuse for no further notice. If there are any mistakes or unclear points, the explaining right belongs to the manufacturer.

20100803

“PR5534_01 V10” by xdm

20101201

“PR5534_01 V11” by xdm