CONTINENTAL®
frameless glass | steam | sauna | spa

USER MANUAL

iTouch Sauna 9KW & 18KW

Model: GH08

Prologue

Thank you for choosing to buy our GH08 Series Sauna heater, please take the time to read these instructions before you begin as they contain important information about the installation and maintenance requirements.

GH08 Series Sauna heaters are available in specifications from 9kw to 18kw and are equipped with our iTouch digital controller & special electrical box. With this you can control the temperature and time duration of your sauna. You can also control the light and Bluetooth music function of the sauna room, alter the temperature display between Centigrade and Fahrenheit; as well as displaying the sauna heater's status s on the controller.

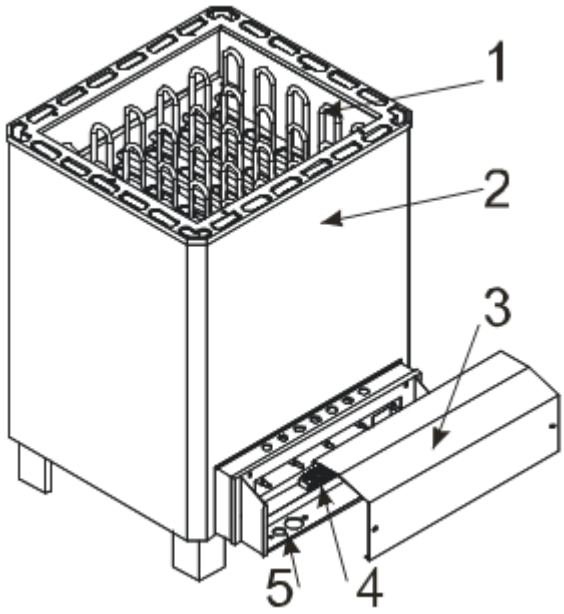
The GH08 control can also heat two separate heaters at the same room.

Every GH08 Series sauna heater is thoroughly tested before leaving the factory.

- **IMPORTANT**
- Read the manual before installation and operation and then keep it for reference.
- This equipment must be installed by competent person.
- This equipment must be connected to an all pole isolator of the correct rating.
- Disconnect the power supply before exposing electrical connections.
- The sauna heater should not be used for any other purpose.
- Do not cover the sauna heater or allow contact with flammable materials such as towels – Risk of fire.
- Do not operate the sauna heater without sauna stones.
- Do not touch the heater when operational as it is very hot.

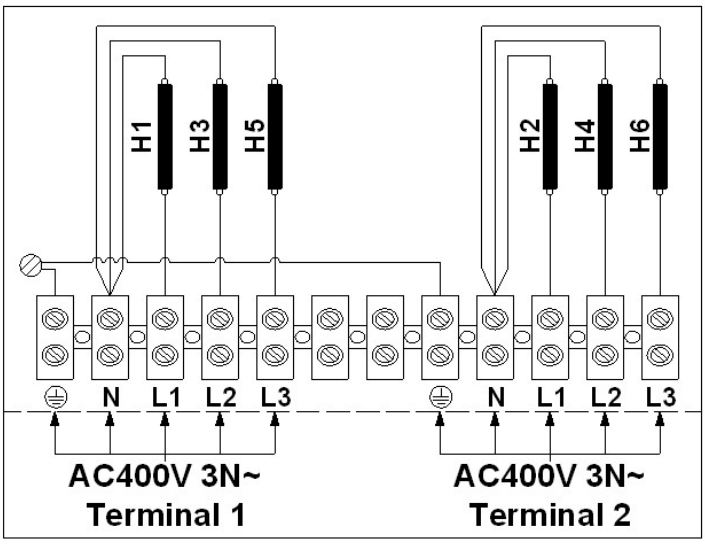
- **SAFETY PRECAUTIONS FOR SAUNA**
- Elderly persons, pregnant women, or these suffering heart disease, high blood pressure, diabetes or not in good health are advised to seek medical opinion before using a sauna room.
- Do not smoke in the sauna room.
- Avoid using the sauna room immediately after strenuous exercise.
- Do not use the sauna room when under the influence of alcohol.
- Leave the sauna room at once if you feel sleepy, sick or uncomfortable.
- Ensure there is good ventilation for the sauna room.
- We do not recommend this product is used by children under 16 years old unless they are supervised by an adult.
- This appliance is not intended for use by persons including children with reduced physical, sensory or mental capabilities or lack of experience unless they have been given supervision or instruction concerning the use by a person responsible for their safety.
- Commercial operators should post a notice of these precautions in a prominent position.

Circuit Diagram for sauna heater and control Box

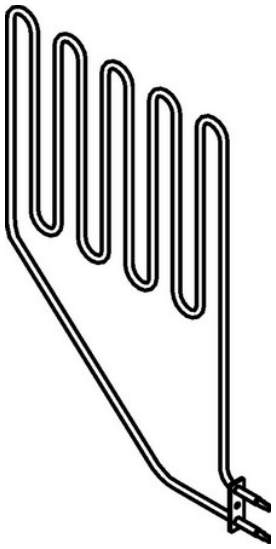


No.	Parts	Description
1	Heat element	Heating
2	Shell	Insulate the inner shell to prevent from scalding
3	Cover Panel	Cover the electrical parts
4	Terminal	Connect the power supply
5	Power entry	The route of power wires

Figure: 1A

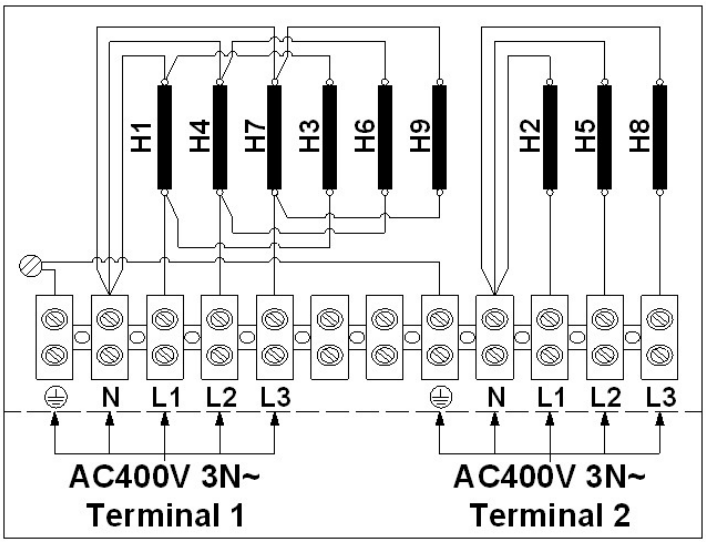


GH08 9KW

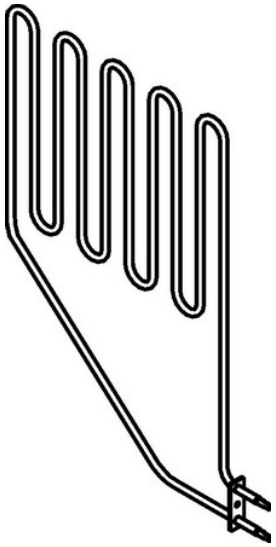


Heating Element

Figure: 1B

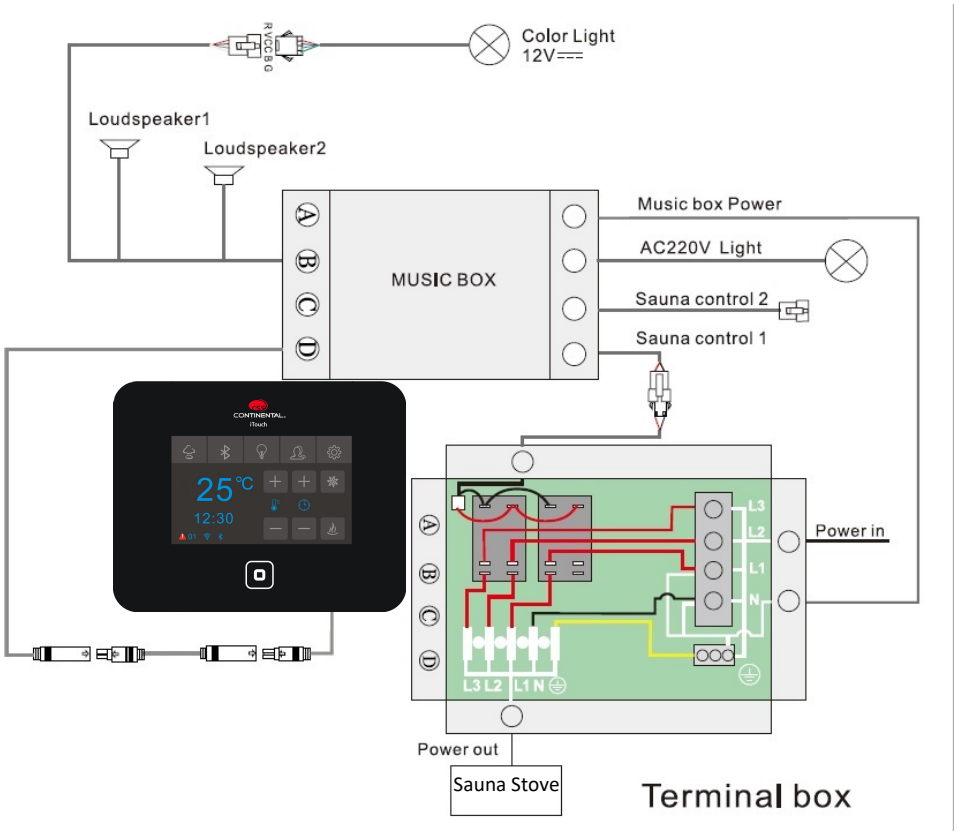


GH08 18KW

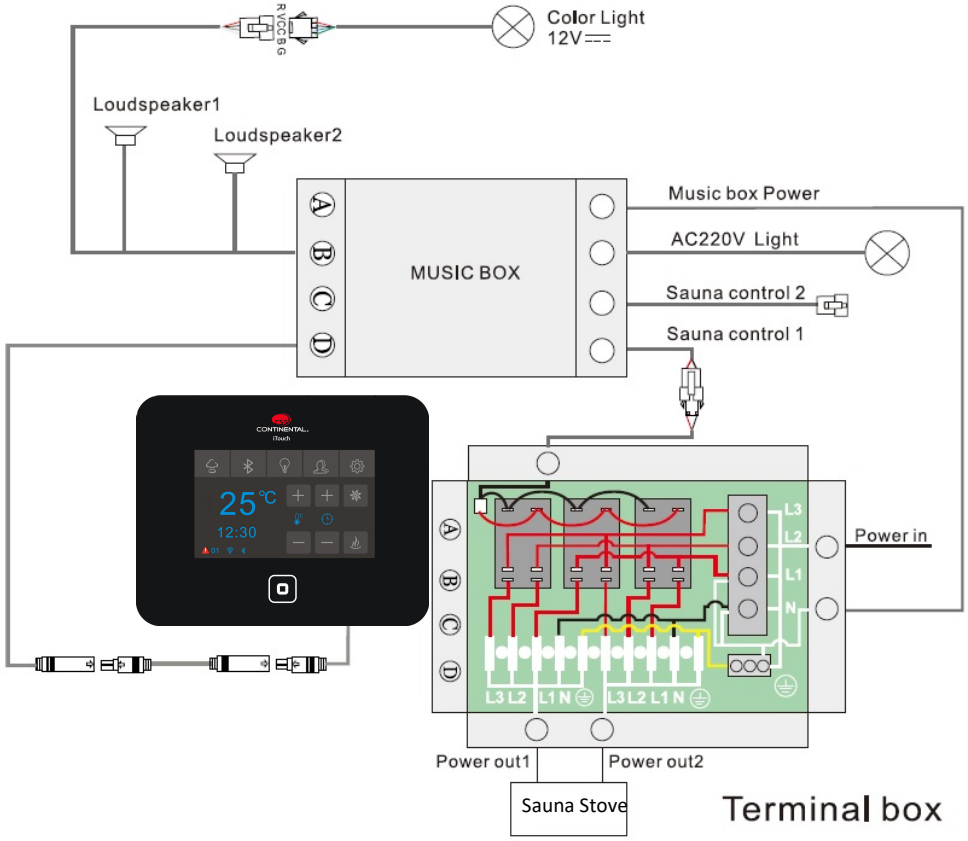


Heating Element

Internal wiring diagram 9KW (380V/3 phase) Figure: 2A



Internal wiring diagram 18KW (380V/3 phase) Figure: 2B



Parameter and size of sauna heater Table: 1

Heater model	Input KW	Heating element n×KW	Sauna room volume min max m^3	Voltage VAC	Phase P	**Connecting cable n×mm^2**	**Stones kg**	**Size** mm
GH08	6.0	6×1.5 (H1-H6)	5 - 7	230 /400	1/3N	Terminal1: 5×1.5 Terminal2: 5×1.5	40～50	L:480 W:560 H:660
GH08	9.0	3×1.5 (H1,H3,H5) 3×2.0 (H2,H4,H6)	9 - 13	400	3N	Terminal1: 5×1.5 Terminal2: 5×1.5	40～50	L:480 W:560 H:660
GH08	18.0	9×2.0 (H1-H9)	18 - 32	400	3N	Terminal1: 5×4.0 Terminal2: 5×2.5	80～90	L:480 W:560 H:660

Parameter of temperature sensor

Model	Detected scope		Cut off on high temperature	
	℃	°F	℃	°F
GH08--S	0~110	32~230	120	248

Installation

Important

- Prior to installing sauna heater, please refer to Installation handbook and check it as following points:
- Is the output power and type of the heater suitable for the Sauna Room? See parameter table 1 (Technical parameter) on page 5.
- Is the supply voltage suitable for the rated voltage of sauna heater.
- The location of the heater fulfills the minimum requirements concerning the distances given in Fig 7 and chart 8 below, and allow for safety and convenience.
- Choose the cable wire according to table 1on page 5, note that for the cable to the heater you will need high temperature resistant silicon rubber cable wire.
- Do not install more than one heater in a sauna room unless twin-heater installations. (Warning: there must be 400 mm between two heaters when install two).
- The heater gets very hot when working. To avoid the risk of accidental contact with the heater, it is recommended that a heater guard be provided.
- A qualified technician must do the installation of the heater to ensure safety and reliability. Improper electrical connection can cause fire or electric shock. Refer to fig 1a or fig 1b on page 3and Fig. 2A & 2B on page 4.

Figure: 7

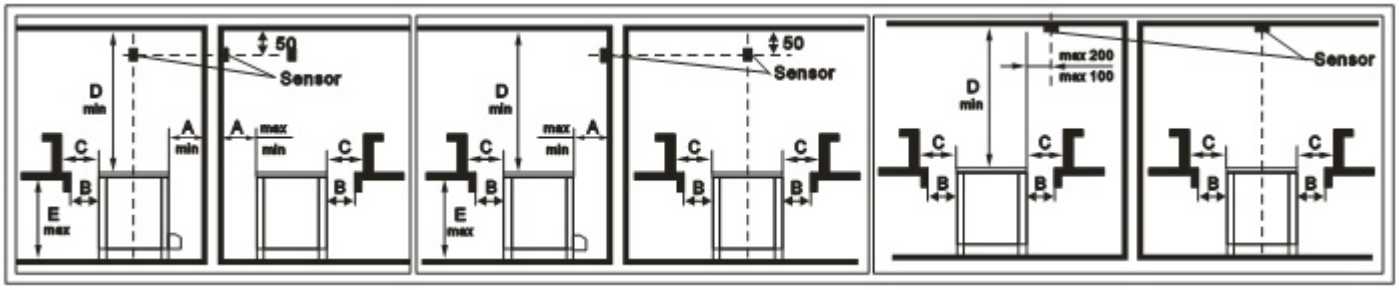


Figure: 8

Model	Safety Distance					
	A min	A max	B min	C min	D min	E max
	mm	mm	mm	mm	mm	mm
GH08 9KW	120	220	100	200	1200	630
GH08 18KW	160	260	100	200	1200	630

Heater Guard (not supplied)

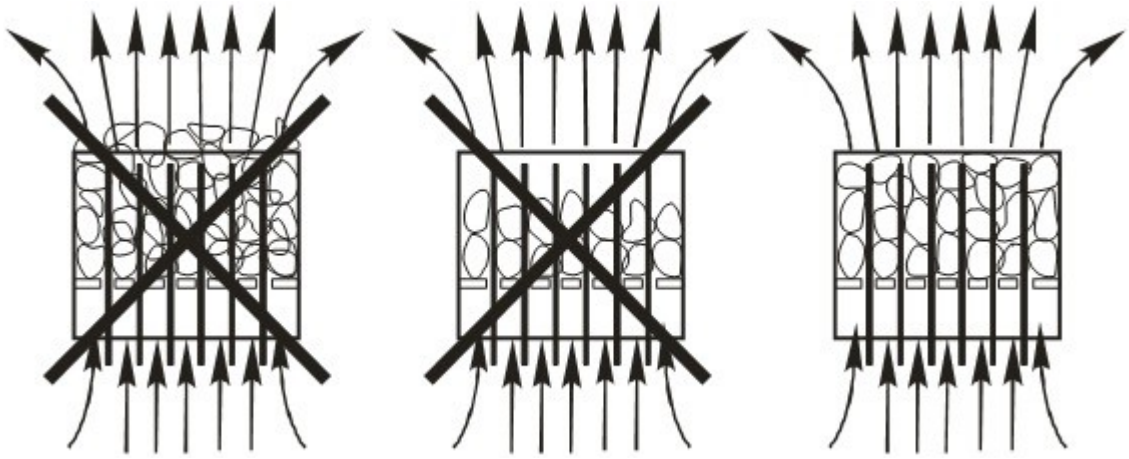
The heater should be guarded against accidental contact with a wooden guard similar to the one shown below – according to the position of the heater within the cabin it may need to be guarded on 2 or 3 sides.

Fix the guard in place around the heater by drilling & screwing accordingly.

Note: It is important that the top rail of the guard is set at least 30 mm below the rim of the heater such that it does not receive heat radiation directly from the heater rocks.

Sauna stones

Do not use the heater without stone, otherwise it may cause a fire. Only use Peridotite rock sauna rocks. These can be supplied from the dealer where you purchased the heater. Do not use ordinary stones, which may emit harmful substances, easily break and do not possess good heating capacity. Wash the stones to clear the dust before putting them into the heater. Stones of unspecified sizes should not be used. Put the larger stones at the bottom of stove compartment and the smaller ones on top. Do not pile them tightly so that air can flow freely. NOTE: Too tightly placed stones decrease working time of the heater element, the stones should plainly cover the heater element (refer to **Pile stones figure below**). The diameter of stone is about 3-8cm. Rearrange the stones in the heater at least once a year or twice if it is in frequent use (maximum 500 hrs). To decide the correct volume of stones in heater, refer to table 1 (Technical parameter) provided.



Control Panel Interface

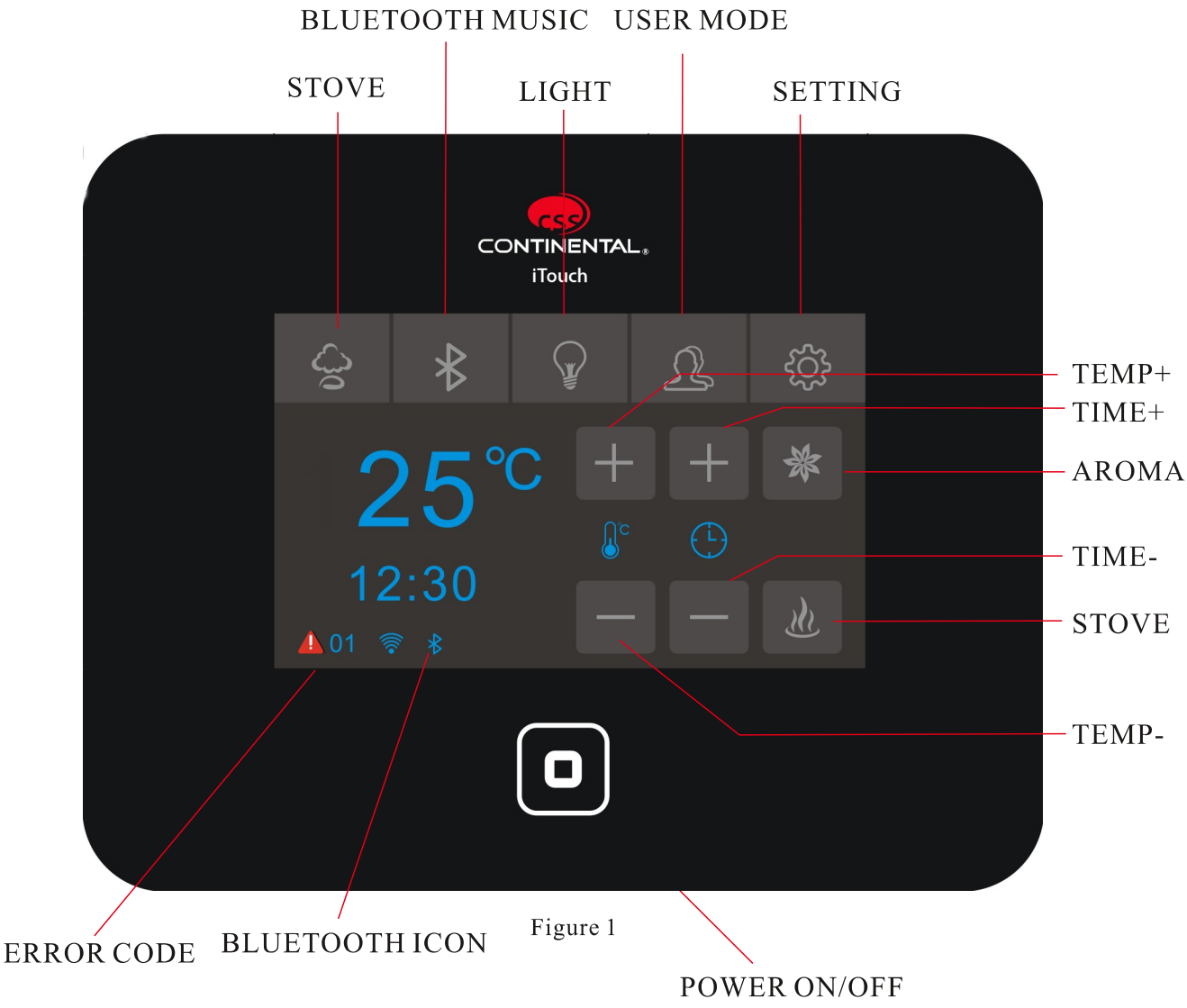
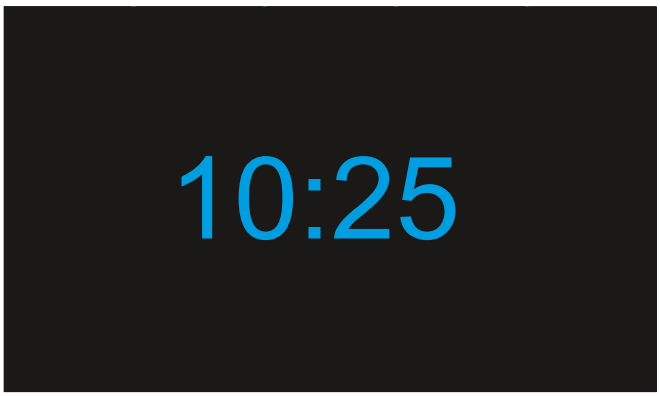
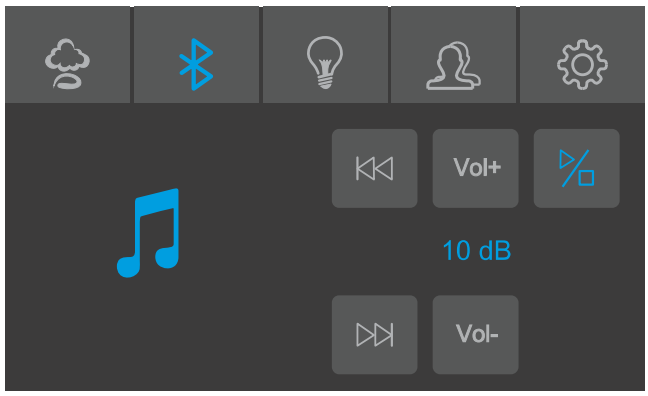


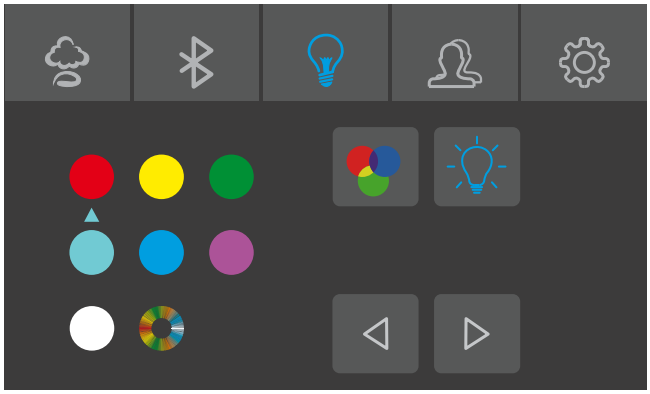
Figure 1



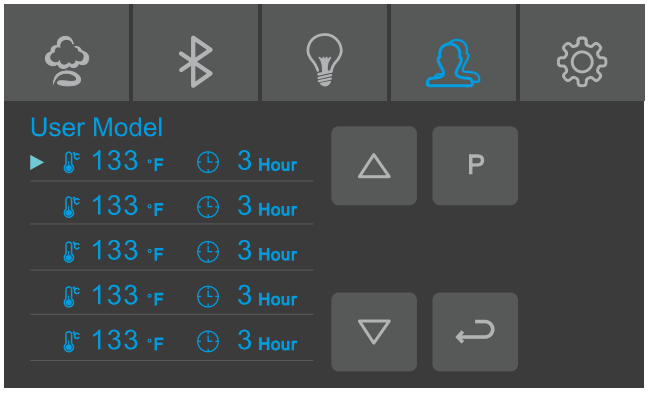
Picture 2: Real Time Clock After Power Off



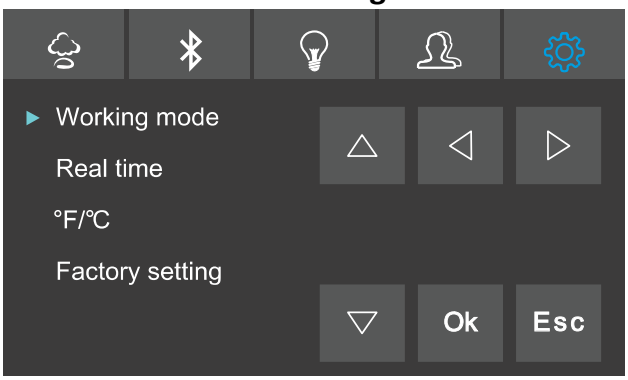
Picture 3: Bluetooth Music



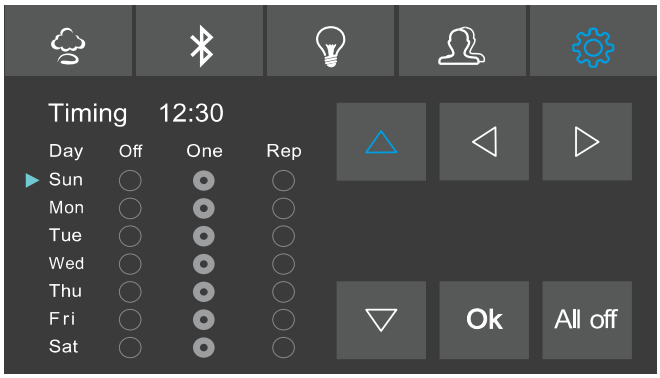
Picture 4: Light



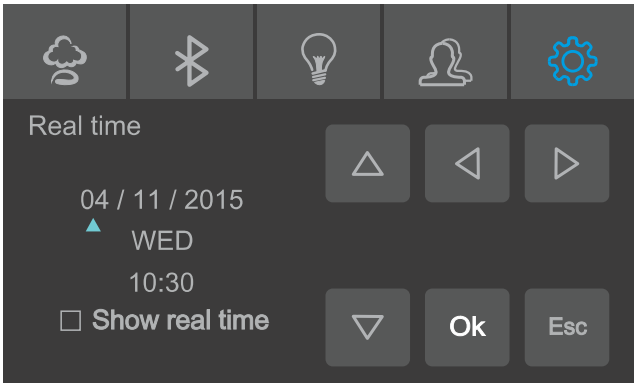
Picture 5: User Mode



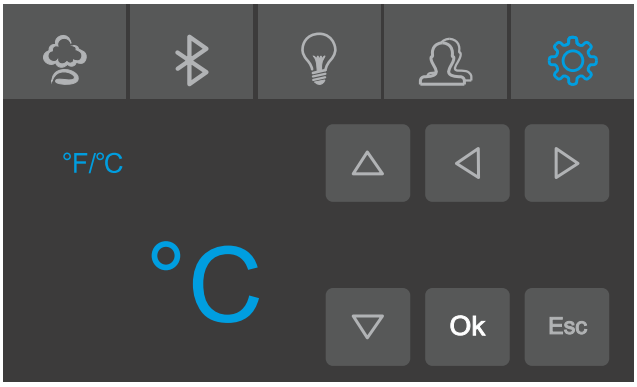
Picture 6: Settings



Picture 7: Presetting Power On



Picture 8: Real Time Setting



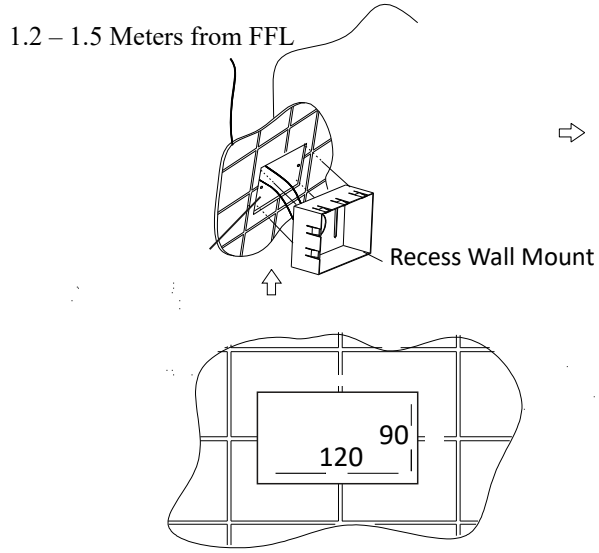
Picture 8: Temperature Setting

Control Panel Installation

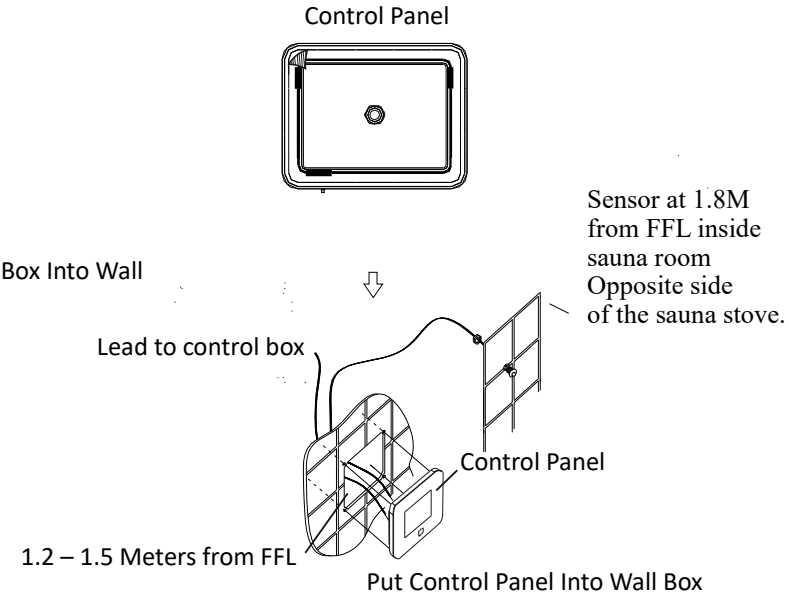
Important:

- **The control panel must be installed outside the sauna room. The control panel can be installed at switch height, but the temperature sensor must be installed at 1.8m from FFL inside the sauna room.**

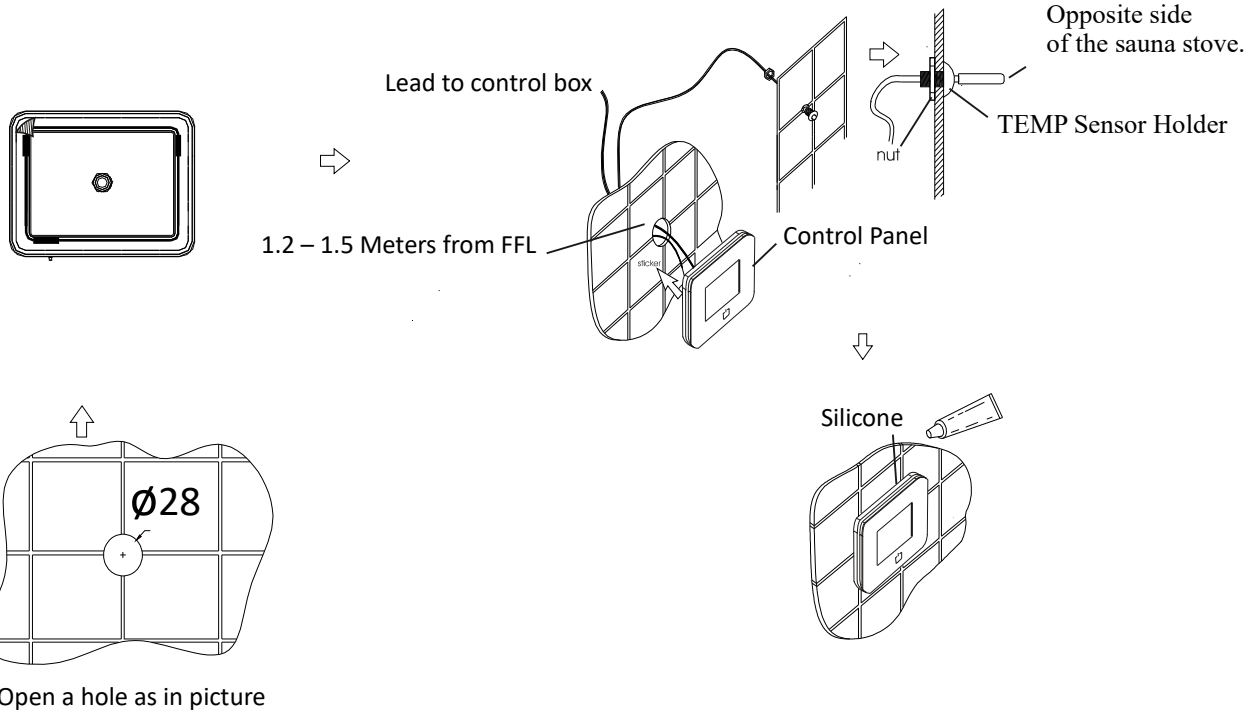
A. Recess mount into wall with wall mount box



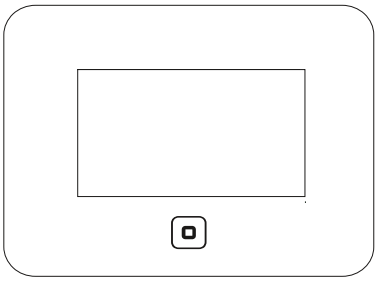
B. Recess mount into wall with plate

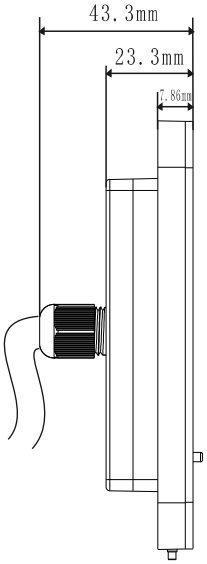


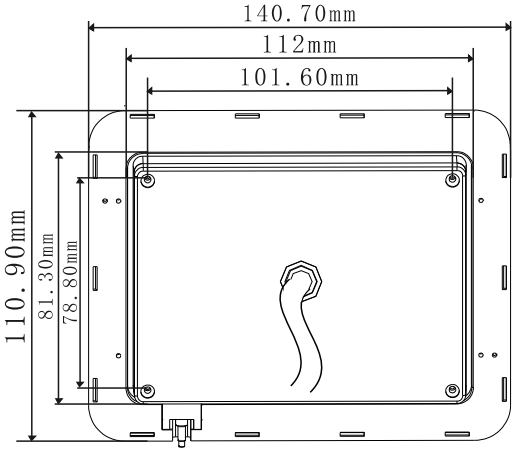
A. Recess mount into wall with silicone



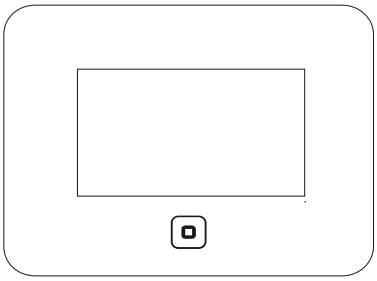
Control Panel Dimensions

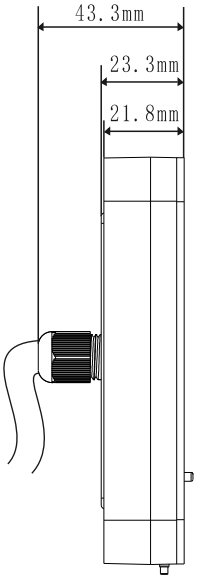


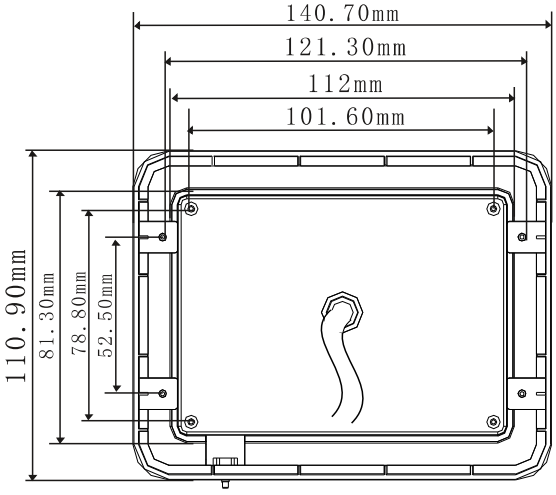




Without Expansion Bracket





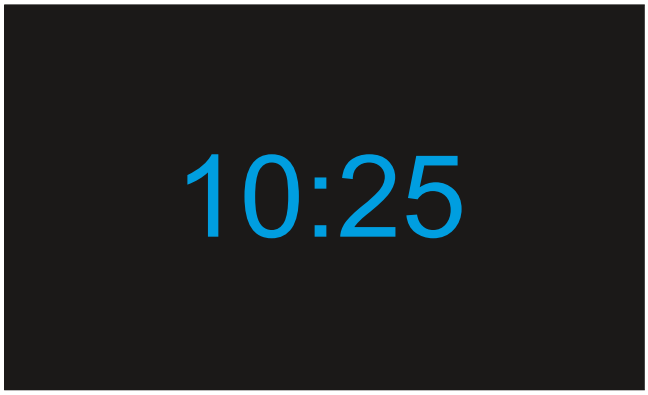


With Expansion Bracket

Operation Instructions

1. Power On

- When the system is electrify, you will hear a “BEEP “sound from the control panel.
- The sauna system is now in standby mode as per image below.
- Time will only display in standby mode once the clock has been set. Otherwise only a blank screen will be displayed.



- From the standby mode, touch the button to switch on the system. The screen will display the current temperature inside sauna room as per picture below.
- This is the home screen.

- If the system has been set to switch on via the timing function then the system will switch on automatically and start the steam function at the preset time.

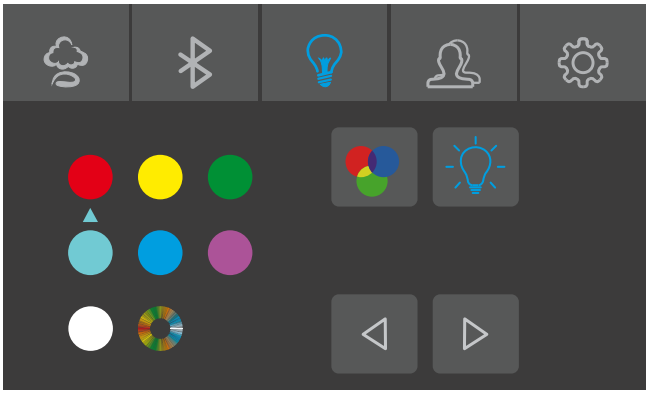
Power Off

- When system is in working mode, touch the button to switch off the system. Screen will display the real time clock if preset, otherwise only a blank screen will display.

- When the system reaches the power off setting time, the system will power off automatically.

3. Light Power On

- When the system is in working mode, press the button to enter the light interface as displayed below.



- Press the button to power on the light.

- Press the button to power off the light.

Chroma Light Power On

- From the light interface as displayed above, press the button to power on the chroma light.
- Now press the button to change colors.
- Press the button to switch off the chroma light.

3. Sauna Function

- The above interface is the default interface displayed when the system activated from standby mode
- Enter the interface above from any other interface by pressing by pressing the button.
- From the interface as displayed above, press the button to start the sauna function.
- Press the button to switch off the sauna function.

Temperature setting:

- When the sauna function is active, press button + and − with the symbol between them, to set steam temperature,
- TEMP range is 25-68°C and increases or decreases in increments of 1°C.

Sauna Run Time setting:

- When the sauna function is active, press the button + and − with the symbol between them, to set steam run time.
- Time range is from 30mins to 20 hours in increments of 30 minutes.

Aroma: Enables the aroma dispenser (Optional Extra)

- When the sauna function is active, press the button to switch on aroma function, press the button again to switch off aroma function. The aroma function will automatically stop working when the sauna function is stopped.

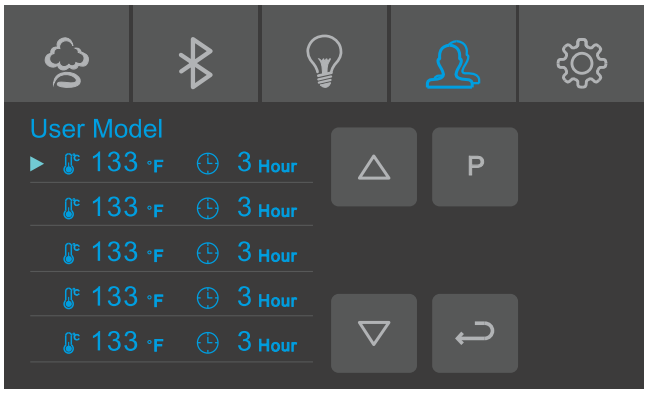
User Mode:

Enables you to save a preset working time and temperature for up to 5 users.

- Begin by selecting your preferred temperature and run time from the sauna interface accessible by pressing the button.
- Enter the user mode by pressing the button.

To Save a user mode:

- When system is in user mode interface as per picture below, press button △ and ▽ to choose the user mode column, press button P to save the temperature and time you set earlier on the sauna function interface.

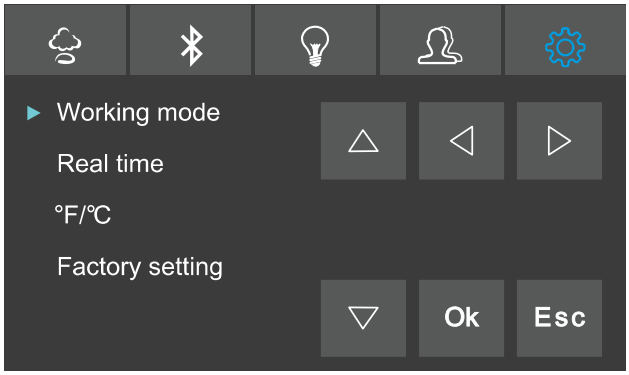


To Activate a user mode:

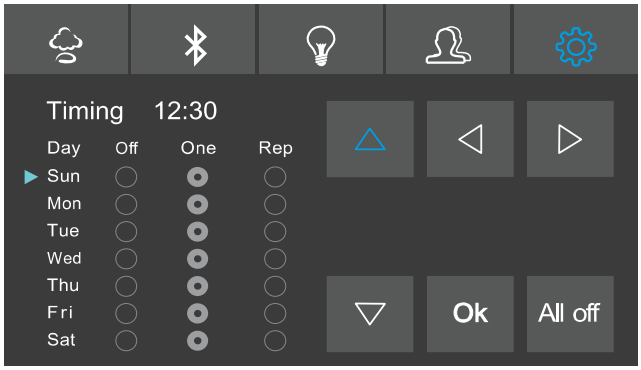
- Press the △ and ▽ buttons to select the user mode you set, press the button ↩ to start the sauna function under the temperature and time you set.
- Now enter the sauna interface by pressing the button
- Now turn on the sauna function from the sauna interface by pressing the button.
- The sauna stove will now operate for the preset time and at the preset temperature.

Auto On Timer Function:

- Enter the settings interface below by pressing the button.



- When system is in setting interface as in image above, select ”work mode” column, press Ok to enter the interface as displayed below.



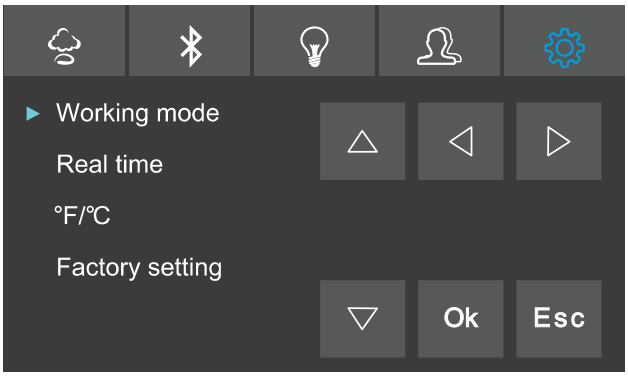
Time Setting

- Move the arrow to the “Timing” column, now press the button to set hour and press the button to set minutes.
- Hour rang is from 0-23 hours with one hour increments.
- Minute range is from 0-50 with 10 minute increments.

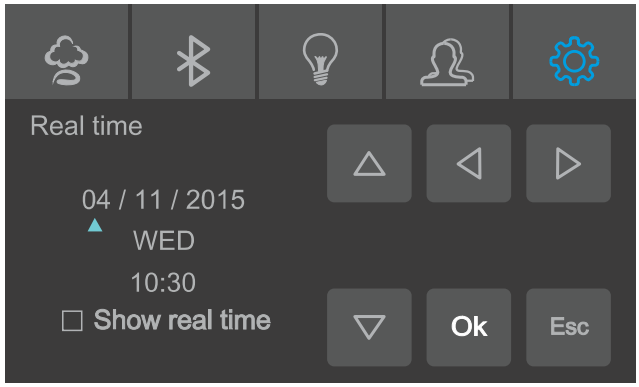
Working Mode

- Press the and buttons to move arrow from Sunday to Monday, press the and button to select steam option.
- You can select **One time**, **Repeat** or **Off**. The repeat function works based on the set day and time. For example...
- Selecting Repeat means the sauna will repeat the preset order at the same time and day as preset every week. Example every Wednesday at 17:00 the sauna will turn on.
- Selecting One, means the steam generator will work once as per the preset order and will not repeat.
- Press the Ok button to save the working mode you have set. Press Esc button to exit this operation interface.

Real clock



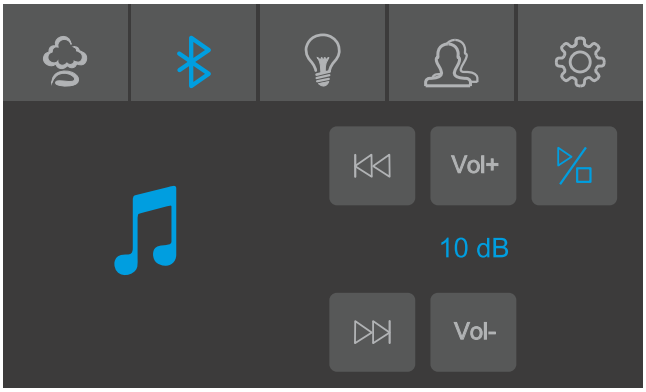
- When the system is in the settings interface as in image above, Select the “Real Time” column by pressing the ▽ button.
- Press the Ok button to enter the interface in the image below.



- Press button ◁ and ▷ to move arrow to the data you like to set, such as hour, minute, date, month, year and show real time or not after system power off.
- Press the △ and ▽ buttons to adjust data. Timer parameters will be calculated via the date entered here.
- When complete, press Ok to save the set parameters, press Esc to exit settings.
- Pressing the Esc Button before the Ok button, means your settings won’t be saved.

Bluetooth Music:

- Open Bluetooth on your mobile device select the “SANJUN-MUSIC” Bluetooth device.
- Enter password “0000" to complete the pairing process. Select “SANJUN-MUSIC” as your audio output on your mobile device.
- Open you playlist



- Select the Bluetooth interface as show in image above by pressing the button .
-
- Press to play music.
- Press to stop music.
- Press Vol+ Vol- to increase or decrease volume.
- Press to select next or previous song.

Trouble Shooting

When there is an error detected by the system, the system will display an error code.

Error Code	Description	Trouble Shooting
08	Temperature sensor open circuit	Please check the temperature sensor cable, if there are no loose connections, please replace the temperature sensor.
09	Temperature sensor short circuit	Please check the temperature sensor cable, if there are no loose connections, please replace the temperature sensor.

Technical Parameters

Working Conditions and Characteristics			
Rated Voltage	AC240/220	Rated Frequency	50Hz
Rated Current	-	Rated Power	9KW/18KW
Insulation Resistance	-	Waterproof Level	-

Load Configuration Parameters				
Load	Voltage Load	Rated Load Frequency	Rated Load Power	Other
Speaker	-	-	8W * 2 (8Ω)	-
Light	AC 220V	-	<200W	-
Chroma Light	DC 12V	-	<20W	-
Stove	AC 380V	-	9KW/18KW	-

Maintenance

We recommend that you inspect the sauna heater on a regular basis for any signs of deterioration of the condition, pay particular attention to both the fastenings, the condition of the wiring and the electrical elements.

Note if the rocks have started to crumble this can cause the elements to overheat and they should be changed for new rocks. We recommend commercial operators to change the rocks at least once very 12 months.

Warranty & After Sales

All GH08 Series Sauna Heaters are guaranteed for 1 year from the date of purchase against faulty materials or workmanship. The guarantee excludes consumable items such as the electrical elements and faults arising from misuse or abuse of the appliance. For warranty claims and after sales service please see contact details below.

JOB Number:	
Installation Date:	
Customer service:	Tel: +2711 822 7170 Fax: +2711 822 7169 Http://www.continentalsa.co

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