

## Respected user:

Thank you for using our products

*Before installing and using this product for the first time, please be sure to read all the materials shipped with it carefully. This will help you better install and use. The pictures in this manual are for reference only. If there are individual pictures with you, the purchased product does not match the actual product, please refer to the actual product.*

## Product specification parameters:

Product model: [ZY-S2](#)

Applicable number of people: Two person

Size: 1200 \* 1000 \* 1900mm

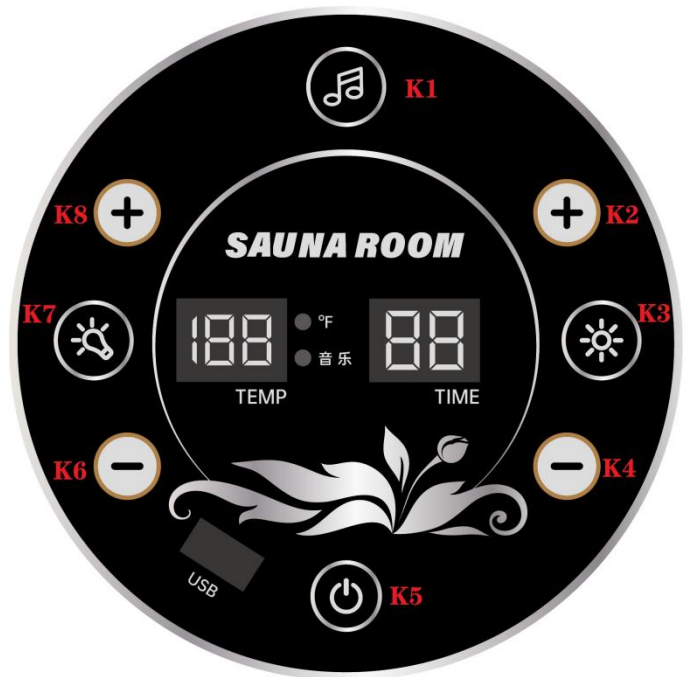
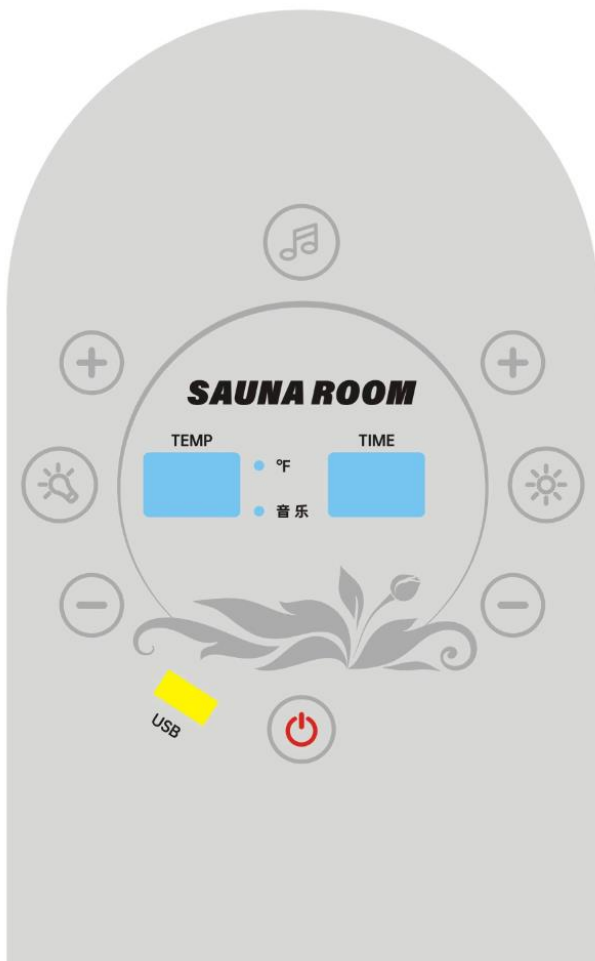
Wood: Canadian high-grade hemlock

Power: 2000W

Heating system: Non radiative far-infrared graphene nanoenergy heating system

Configuration: microcomputer LCD control panel, high-quality audio system, air purification function negative ion oxygen bar, reading light, eaves light, tempered glass door

## instructions



## Sauna room operation and controller instructions

1、 This controller is used for electrical control in light wave bathrooms and has:

- Heating temperature control function

- Timing function

Lighting control

Temperature display

- FM radio

- Bluetooth playback

- USB playback

2、 Technical parameters

Working voltage: AC220V 50Hz/60Hz

Heating relay current: 30A250VAC

Lamp MOSFET output: 3A/12VDC

Switching power supply output 12VDC

Timed time: 1-90 minutes

Temperature control: 30 °C ~65 °C

(85 °F ~150 °F)

Temperature control accuracy:  $\pm 1$  °C

### 3、 Display operation panel

#### 1. Two digital display windows

Illuminates only when running.

The left digital tube displays the temperature inside the box, compatible with Celsius and Fahrenheit displays.

The Celsius display range is 0-75 °C.

The Fahrenheit display range is 32-170 °F.

The right digital display shows the timer time, with a maximum of 90 minutes.

#### 2. Three LED indicator lights

The power button indicator light will light up when there is power;

The music indicator light, constantly on, indicates that the music function is activated.

Flashing indicates that in the music function, K2 (volume+), K1 (automatic channel search), K4 (volume -), K6 (previous song), K8 (next song) enable the second function;

The Fahrenheit indicator light on indicates that the displayed temperature is Fahrenheit;

#### 3. Eight buttons

The buttons all beep.

1) K1- "Music" button, cycle "USB" - "BL Bluetooth" - "FM radio" - close;

2) K2- Time/Volume "+" and K4- Time/Volume "-" keys;

3) K3- Color light button;

4) K5- "On/Off" button, switch on and off the sauna. Press once to turn it on when turned off. The left window will display the current temperature inside the box, and the right window will display the remaining time. Press again to fully close.

5) K8- Temperature "+"/Previous song and K6- Temperature "-" key/Next song

6) K7- "Light" button, lighting switch,

#### 4、 Control functions

##### (1) Sauna control

###### 1. Time control

The countdown is based on a timed time of 1-90 minutes. K2 time "+" and K4 time "-" keys. Each press will increase or decrease the timer by 1 minute, and holding down the key will result in continuous changes.

Setting range: 1-90 minutes

Afterwards, remember the time set by the user.

When the timer is set to 0, it automatically shuts down.

###### 2. Temperature setting and control

Setting range: 30-65 °C. Fahrenheit 85-150 °F.

Remember the temperature value set by the user.

The K8- temperature "+" and K6- temperature "-" keys are pressed once to set the temperature to increase or decrease by 1 degree. Pressing and holding the key continuously changes the temperature. At this time, the setting light is on, and it goes off after 8 seconds of inactivity. The temperature displayed without operation is the measured temperature.

Display temperature<set temperature, heating relay closed.

Display temperature=set temperature, heating relay disconnected.

###### Sensor malfunction

Regardless of whether the machine is turned on or off, if the temperature sensor malfunctions (short circuit E1, open circuit E2), the heating will be turned off, and a beep alarm will sound when the machine is turned on.

###### 3. Lighting control

K7- "Light" button, lighting switch, press once to turn on and then press again to turn off, long press to display "LX" on the digital display

(X is 0~3), L1 internal light on, L2 external light on, L3 all on, L0 all off;

###### 4. Color light function

K3-- Color light button, press and hold to turn on and off once, long press to display "LX" on the left (X represents 1-9 different colors), display 2n on the right, then press the color light button to change the color and remember it. After 8 seconds of inactivity, the original display will be restored.

5. Celsius and Fahrenheit temperature displays can be switched, and press the temperature "+" and "-" keys for 1 second at the same time.

6. High temperature protection, display temperature  $\geq 75\text{ }^{\circ}\text{C}$ , temperature display flashing "HH" and beeping alarm, continuous and non-stop.

(2) Music playback function: Music light on or flashing

1. "Music" button, cycle "USB" (with USB inserted) ->"BL Bluetooth" ->"FM radio" ->turn off;
2. "FM radio" function: the left window displays frequency integers, and the right displays frequency decimals and F. The radio reception effect is related to the antenna direction and position. Channel search: When the sauna function is turned off, turn on the "FM radio" function of the music function. When the music indicator light flashes, long press the "K1" button until there are two beeps, and when it is turned on, automatically search for channels and remember them;
3. "Bluetooth" function: Display "bL" in the left window, open the Bluetooth function of the phone and search for "BT AUDIO" pairing connection;
4. "USB" function: Once inserted, go to the "USB" function and play;
5. Press the "Music" button, the music light will flash, the left window will display "UL" when adjusting the volume, and the right window will display the volume number; When using Bluetooth and USB, pressing the music selection key can select the previous or next song; When listening, press the select button to select the previous or next radio station. After 8 seconds of inactivity, the music light will light up. If the sauna is turned on, it will switch to the display and operation of the sauna.

Attention: Do not operate the radio during station search. Wait until the search is complete before proceeding

5、Wiring:

1. 4-core wire connected to display board
2. Power board 5-core wire connected to colored light
3. Power board 2-core ribbon cable connected to sensor
4. Power board with 2-core red and blue wires connected to external lights
5. Power board 2-core brown blue wire connected to internal light
6. Power board 2-core brown black wire 12VDC output
7. Display board with two 2-core wires connected to speakers
8. Single red line is an FM antenna

## Important safety instructions

- 1.Do not use this product near water sources,such as bathtubs,wash basins, washing machines,or in damp basements;
- 2.Avoid using this product during thunderstorms;

3.Do not use this product near gas,natural gas and other gas leakage areas.

## Use common sense

- 1.Warm up for 10-20 minutes before starting to use;
- 2.Adjust the control panel to choose your ideal temperature
- 3.It is recommended to drink an appropriate amount of water before and after using the product;
- 4.Before using the product,you can take a bath first to increase the amount of perspiration;
- 5.It is best to prepare 2 bath towels before using the product, one is folded and placed on the seat board,and the other is placed on the knee;
- 6.Do not declare that the bath towel is too wet,otherwise it will affect sweat absorption;
- 7.Do not eat one hour before using the product (if you use it on a full stomach,you may feel discomfort,and an empty stomach is best;
- 8.When using the product,apply conditioner or simmering ointment on the hair to achieve a better hair care effect (must be wrapped in a towel),after use,clean the hair;
- 9.When using the product,often stretch hands and feet,exercise muscles,and massage the neck,feet and other parts,the effect is more ideal;
- 10.After using the product,do not take a bath immediately.When the body temperature drops to a moderate level,wipe the body with a bath towel.

## Precautions

- 1.The power cord plug and socket of the equipment should be located in a place where children cannot reach to prevent danger,
- 2.Do not insert your fingers or sticks into the spectrum board,otherwise it may cause injury to you when the unit is working;
- 3.Do not let children play with the equipment to prevent danger,
- 4.Do not pour water into the equipment or the frequency board;
- 5.Children should be accompanied by an adult when using it;
- 6.Do not use or store flammable gases or liquids such as hairspray,gasoline,paint,etc. near or in the equipment to avoid fire;
- 7.Do not touch the intelligent control part with metal or hard objects;
- 8.Do not use organic solvents for decontamination,such as gasoline,alcohol,etc.;
- 9.Do not make the equipment work under long-term high temperature;
- 10.When the product is working,please do not sleep in it.
- 11.The product is made from the original hemlock or red cedar grown in Canada.It is purely natural.The scars and cracks of the tree are the natural attributes of the tree and should not be considered as the same quality.

## common error

- 1.The lighting is not on

Possible reason	Repair method
LED light does not light up	Replace with new LED lights
Poor LED contact	Take off the lamp and re-install it again

## 2.The control system is not working properly

Possible reason	Repair method
Poor contact of 8P line	Check whether the BP Line is intact
Switching power supply is broken	Replace the fuse or power suppl
No display in the display window	Re-install or replace the sensor

## 3.The heating system does not work

Phenomenon	Possible reason	Repar method
Individually not working	Poor contact or burnout of the plug	Connect it or replace d
	Damaged heater	Replace with new heater
All not working	Poor contact of power socket	Reconnect the socket
	Poor contact or bumout of the plug	Connect it or replace it
	The control circuit board is damaged	Replace with a new control circuit board
	Problem with control panel	Replace with new panel

## Instrument maintenance and maintenance

- 1.The relative temperature is not greater than:80%;
- 2.Use at room temperature
- 3.Pressure:78-108Kpa;
- 4.It is forbidden to tit the equipment and do not hit with sharp objects;
- 5.When the temperature is high:add an isolation layer to avoid direct contact with water.
- 6.Work continuously for more than 4 hours and shutdown for half an hour.
- 7.After bathing,dry the water on the body before using the product;
- 8.Bath towels can be laid on the seat and foot pads on the bottom plate;
- 9.The product should be cleaned once a week
- 10.If the stain cannot be wiped off,it can be lightly polished with sandpaper;

## TERMS OF USE

### Respected user:

Thank you for using the company's products!This warranty is a three-guarantee certificate for the company s products,which is kept by the user.With this bill,you will enjoy the product repair

service provided by the designated repair station.There is one copy of this warranty for each machine.Lost and not repaired,please keep it properly.

The company s three-guarantee certificate is a certificate for consumers to enjoy the three-guarantee rights.The three-guarantee certificate should include the following content,and the salesperson is responsible for filing it out carefully.

Subject to the following terms and conditions,the company's series of products and the

accessories of the products are genuine,if there are defects in materials and workmanship,the company is responsible for free maintenance.

- 1.This warranty clause is limited to the series products sold by our company in China.
- 2.This warranty clause is only applicable to the original consumers who purchased the product from the agent or designated agent approved by the company.(Hereinafter referred to as consumer)
- 3.Consumers should read the "Product Manual" in detail before using the product and when encountering malfunctions.
- 4.Warranty principle:Under normal use,if there is a failure without disassembly and repair,from the date of purchase(subject to the effective purchase product invoice or valid warranty).one year of free warranty service and lifetime maintenance service can be obtained.
- 5.If any of the following situations occurs,consumers will not be able to enjoy free warranty service(that is,this warranty clause does not apply):

Exceeding the warranty period:

Without a valid warranty certificate and purchase warranty certificate;

The content on the warranty is inconsistent with the physical product mark or altered:

Failure to follow the requirements of the product manual for use,maintenance,storage and damage:

Because the user's power supply voltage is unstable,exceeds the use range or the line is not standardized,it does not meet the national safety requirements.

Damage caused by electrical standards;

Damage caused by disassembly by the repairer who is not responsible for the three guarantees;

Damage caused by irresistible factors:

Service items and services not promised by our company.

- 6.During the warranty period,the company will provide free services according to the degree of product failure or the severity of quality problems.After the warranty period expires,the company or its authorized repair point will provide repair services that only charge the cost of components and accessories.
- 7.During the warranty period,if the product has quality problems,consumers should take this measure one-call the company's after-sales service hotline to obtain correct service information.
- 8.During the warranty period,consumers enjoy free warranty in accordance with the terms of this warranty,which is the only remedy for consumers'losses due to product defects.
- 9 Any dealer,agent or authorized repair point of the company has no right to acknowledge or assume on behalf of the company the obligations beyond the scope of this warranty clause,nor has the right to waive any rights under the warranty clause.
- 10.Our company reserves the right to adjust the warranty information,product functions and specifications,etc.

## SPECIAL NOTE

### Respected user:

Thank you for using our products.Please fill in the product quality tracking card according to the product you purchased.Our company will take your receipt card seriously.We can only accept receipts within ten days of our delivery.The product model and product serial number can be found at the bottom right of the back of your product base.

This card should be valid by the original purchaser of the product.

In addition,we hope you can fill in your details so that we can better serve you.The company will edit and archive this information,keep the real information of the



customer confidential, and you will become our important customer. We will not release your information to the public for any reason. Thank you again for your support to our work.

#### FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation

## PRODUCT QUALITY TRACKING CARD

model		serial	
date		tel	

### Caveat

To prevent the risk of fire or electric shock, do not expose the electrical part to rain or damp places! To prevent electric shock, do not open the cover of the electrical part! Only Professional after-sales Technicians are allowed to perform repairs.