HAOJUE Series

Instructions for steam room

B503

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PREFACE

Dear customer,

Thank you very much for your purchase of our Haojue series steam bathroom. Our product is a new generation of healthy and relaxing product carefully made of high quality materials, with the characteristics of simple, natural, comfortable, practical, inexpensive and high quality. It will bringtoyou endless fun of relaxing and bathing. If further information is required, visit our website www.ssww.com.cn. After unpacking, please check if any part is missed with reference to the general diagram, carefully analyze the installation location for the product and its accessories, and assemble in accordance with the following installation instructions. Preparation for installation

PREPARATION FOR INSTALLATIO

1. After unpacking, carefully read the installation instructions and check if the parts are complete according to the packing list or there is any damage during the course of transportation. If any defect or problem is found, contact the dealer as soon as possible.
2. Prepare the following tools before installation: cross screwdriver, straight screwdriver, level,andspanner.
3. Handle the glass vertically by two persons after unpacking.
4. To protect the surface of glasses and aluminum frames against scratch, pack the surface of glasses and aluminum frames with soft materials before installation.
5. Strictly following the installation steps stated in the installation instructions during the course of installation. Any damage or failure caused by the incompliance of operation procedures stated in the product instructions is out of the limit of repair warrantee.
6. For the best effect of operation, it is recommended to use original accessory of the company.
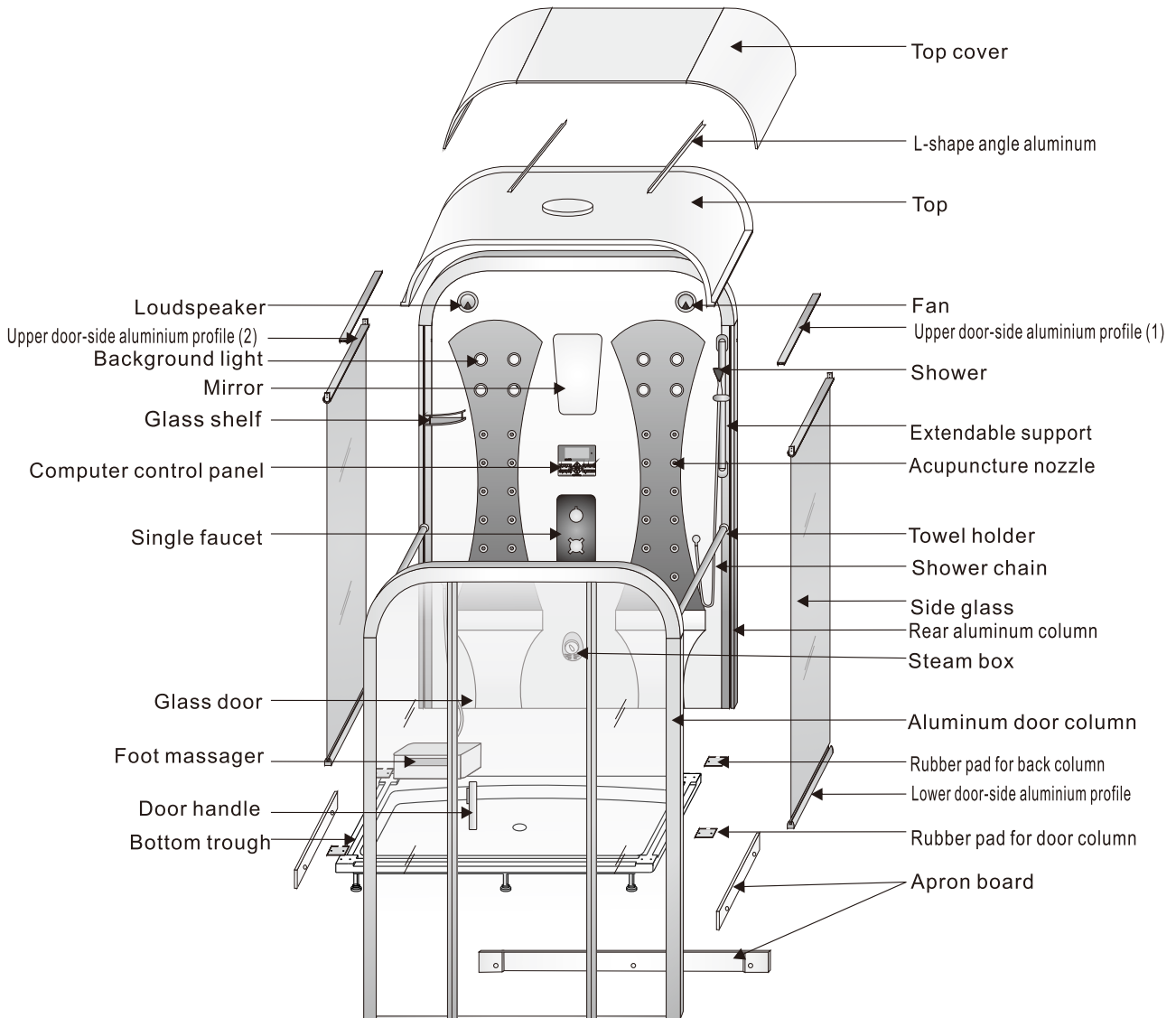
IMPORTANCE

1. The installation and commissioning of electric parts of the product should be done by qualified electrician or any professional appointed by the dealer.
2. Any electric power facilities connected to the product must comply with the safety standards of China. The voltage and frequency of power supply should comply with the specification of the product.Leakage protection switch and overcurrent, overload fuse and other protection device must be fixed to the electric circuit and all protection devices must be active.
3. For installation and operation, it is strictly forbidden to cut off any connecting wire of the product and disassemble the control box and control panel of computer. Otherwise any failure of product or any leakage or electric shock accident incurring is out of the responsibility of the company.
4. Acetone, ammonia, gasoline or any other organic solvent and strong-acid chemicals will dissolve and corrode the acrylic parts and electroplated parts of the product. Avoid using theabovementionedarticles during the course of installation.
5. Don't store the product in up-side-down position or slant the product during the storage. Don't put articles over the product. Don't place the product together with methanoic acid, methyl aldehyde and other organic solvent. Handle with care. Prevent from high pressure, strong vibration and impact.
6. Keep the surrounding ventilated, dry and free of corrosive gas, and cut off power and water supply if it is not used.
7. If any power wire is broken, it should be repaired by qualified electrician or specific serviceperson to averting danger.
8. It is forbidden to connect to any unauthorized power cable. The steam box must be provided with reliable grounding with copper core no less than 1mm^2.
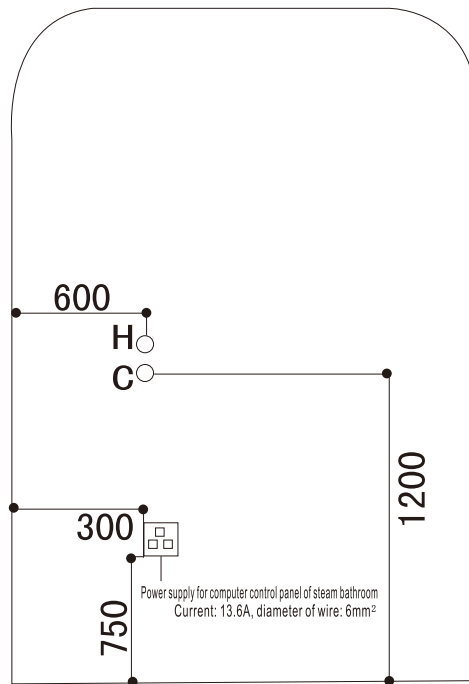9. Children should use the product under the guardian of parent.

REMINDS YOU:

1. Don't place together with methanoic acid, methyl aldehyde and other organic solvent.
2. Anyone after drinking or suffering from hypertension or heart disease is forbidden to take bath in the computer steam bathroom. Children should use the product accompanied by their parent.
3. Before showering or massage, adjust to the desired water temperature. Don't spray to your body immediately, to avoid scalding.
4. If the steam bathroom is not used, cut off power and water supply. Keep the surrounding ventilated and dry.
5. Use neutral liquefied detergent and a soft rag to clean the steam bathroom. Don't use acid or alkali detergent, acetone, ammonia or cleansing powder.
6. Use a wet soft rag with little toothpaste to scour out the base tub.
7. Refer to the product instructions for detail directions.

STRUCTURAL DIAGRAM FORB503

Top cover

L-shape angle aluminum

Top

Loudspeaker

Upper door-side aluminium profile (2)

Background light

Mirror

Glass shelf

Computer control panel

Single faucet

Fan

Upper door-side aluminium profile (1)

Shower

Extendable support

Acupuncture nozzle

Towel holder

Shower chain

Side glass

Rear aluminum column

Steam box

Glass door

Foot massager

Door handle

Bottom trough

Aluminum door column

Rubber pad for back column

Lower door-side aluminium profile

Rubber pad for door column

Apron board

WATER AND ELECTRICITY INSTALLATION DIAGRAM FOR B503

The TV line, central line and ground line of the indoor power supply must be wired strictly in accordance with standard configuration. Before connecting to any cold or hot water pipes, follow the cold and hot water pipe connection directions on the rear panel and tighten all connections.

2240

180

600

H

C

1200

300

750

Power supply for computer control panel of steam bathroom
Current: 13.6A, diameter of wire: 6mm²

220

900

Freeing port

800

1600
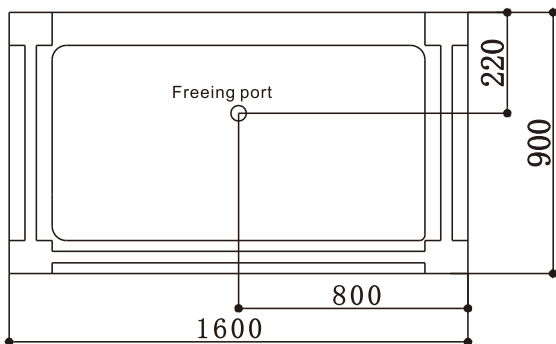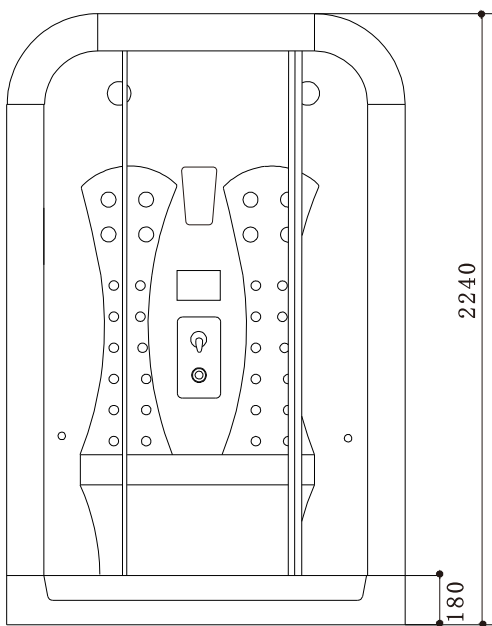
INSTALLATION STEPS

(This method is applicable to steam bathroom B503.)
I. Installation of bottom trough (as shown in diagram 1):
1. Dissemble the apron board: Remove all nuts and screws on the apron of the bottom trough to gently disassemble the apron board from the bottom trough (Two sides first, central part later).
2. Installation of bottom trough: Put the bottom trough in the preset place of installation and allow the edge of the bottom troughclosely against the wall. Put a level on the surface of the bottom trough, adjust the anchor screws of the bottom trough with a spanner to level and fix the bottom trough. Check if there is sufficient place for the connection of drainage pipe to the sewage. For the convenience of further construction, move the bottom trough a little bit away from the wall and return it to the proper position after the completion of installation

Apron board

Nut

Screw

Spanner

Anchor screw

bottom trough   Freeing port
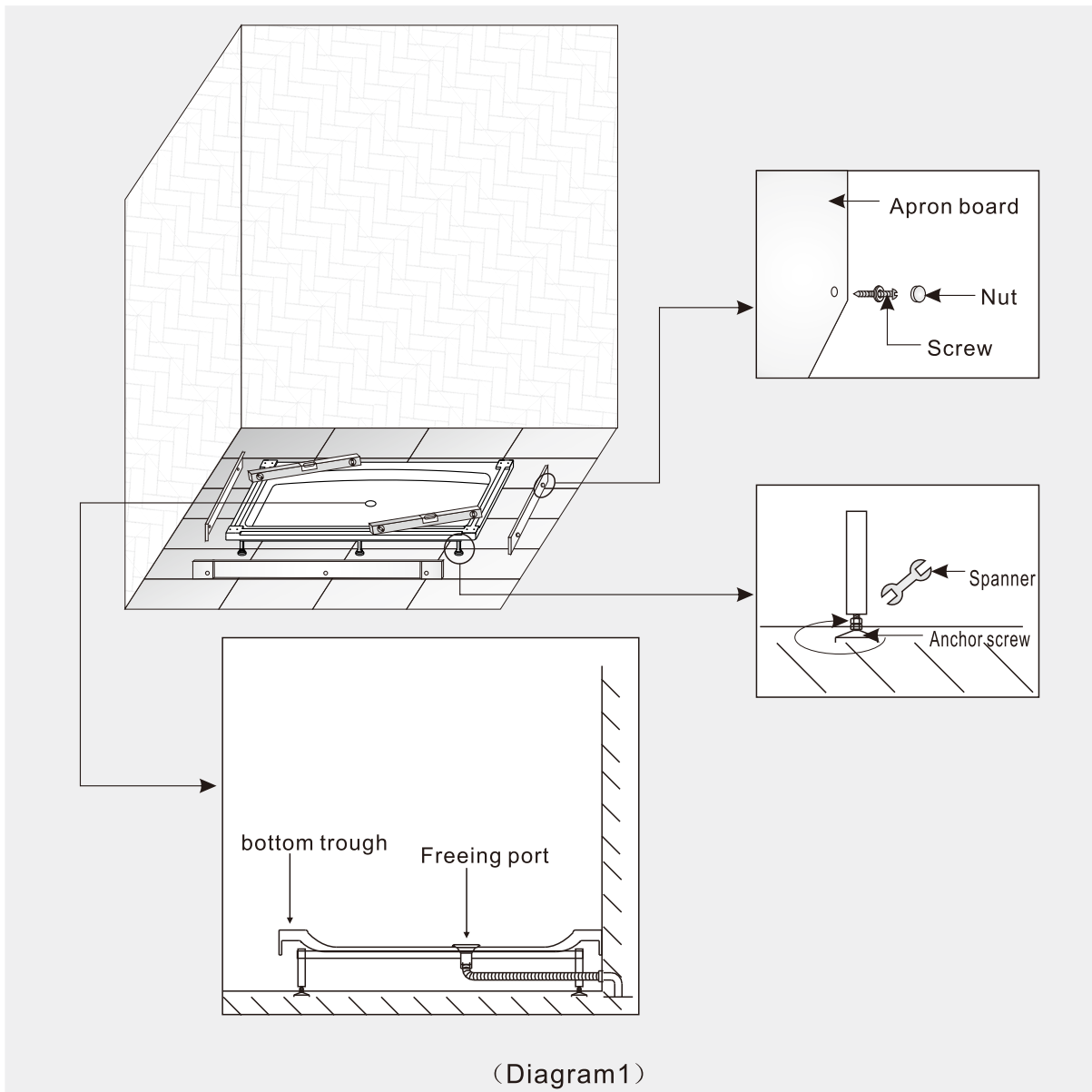
（Diagram1）

II. Installation of front glass door (as shown in diagram 2):

Take out the front glass door, put M6 full-thread bolt to the lower part of the square aluminum door column and tighten to 15mm in depth at least. Assemble the rubber pad for door column, apply silicon gel around the rubber pad, fix to the corresponding position in the front part of the bottom trough, and tighten the screws with nuts. (Pay attention to the direction of door).

Aluminum door column

M6 full-thread

Rubber pad for door column

bottom trough

Nut
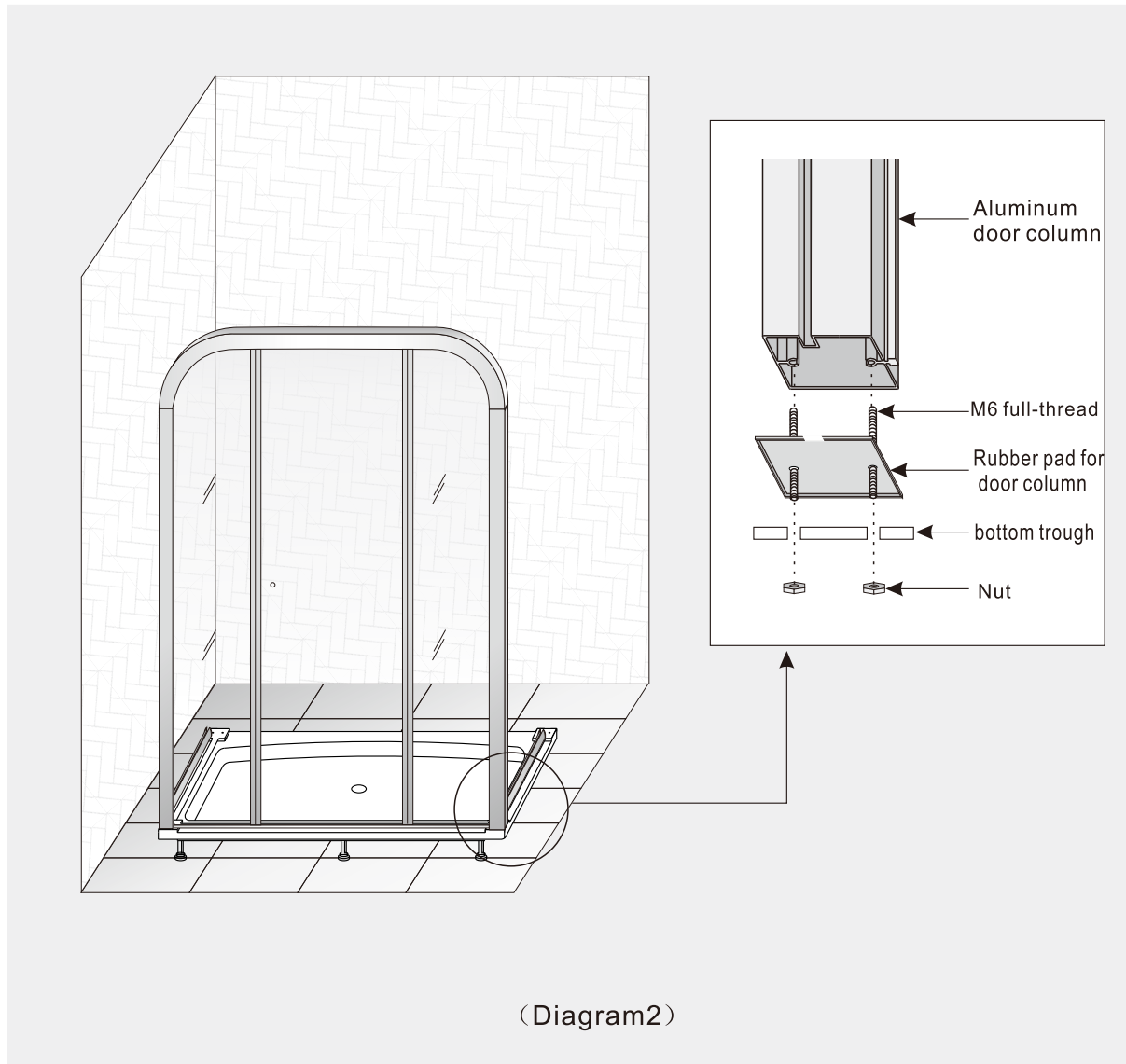
（Diagram2）

III. Installation of side glass (as shown in diagram 3):

1. Apply rubber pads to two lower door-side aluminium profiles and assemble the profiles to both ends of the bottom trough. Make sure that the aluminum profiles are completely fixed to the gap of rubber pad of the door column.

2. Slide the side glass to the corresponding groves of the door column and the lower door-side aluminium profiles.

3. Assemble upper door-side aluminium profile (2) over the glass, line up the screw holes andconnect with self-tapping screws.

Upper door-side aluminium profile (2)

Aluminum door column

Side glass

Aluminum door column

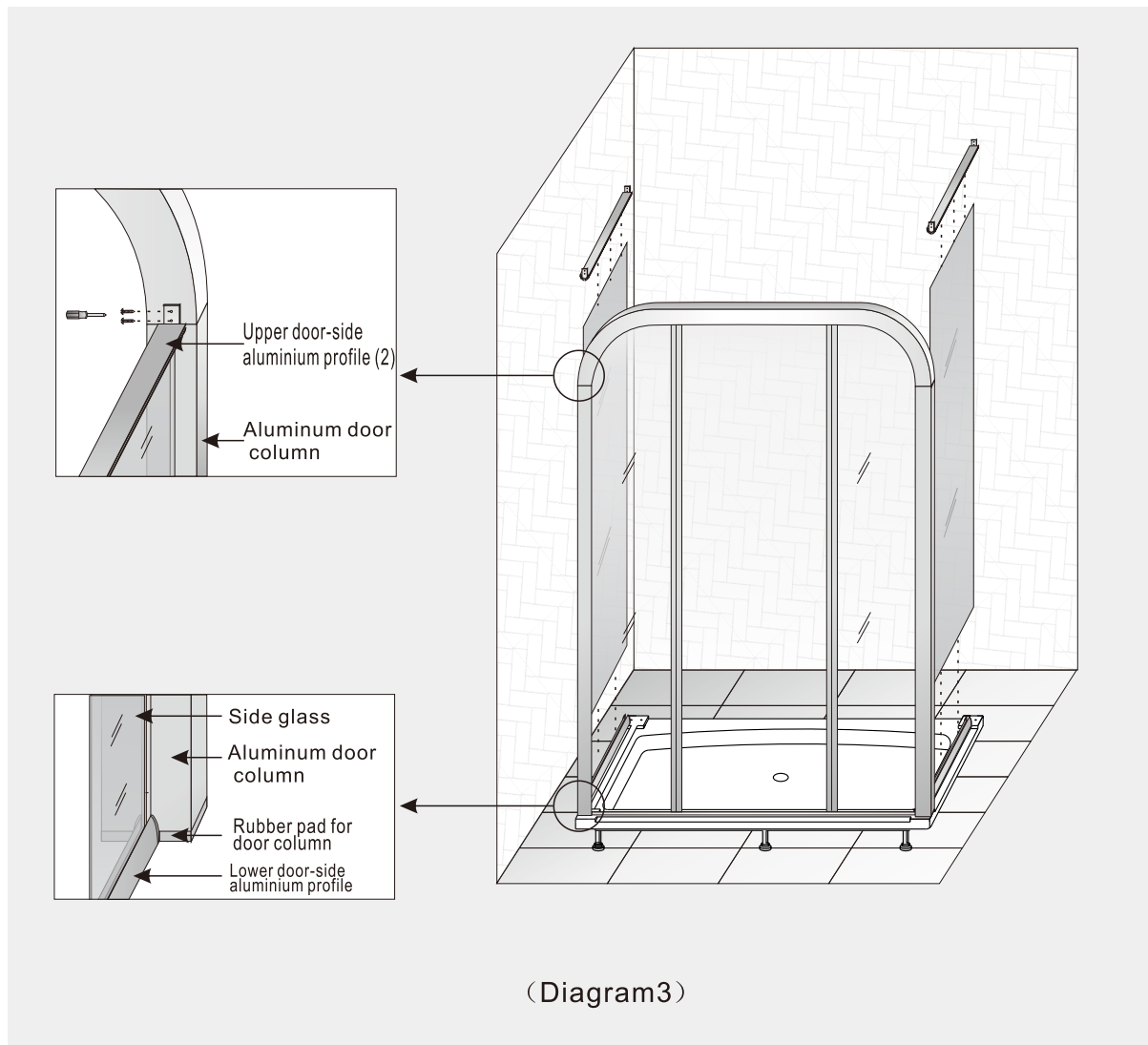Rubber pad for door column

Lower door-side aluminium profile

（Diagram3）

IV. Installation of rear plate (as shown in diagram 4):
 1. Take out the rear plate, put M6 full-thread bolt to the lower part of the square aluminum door column and tighten to 15mm in depth at least. Assemble the rubber pad for rear column, apply silicon gel around the rubber pad, fix to the corresponding position in the front part of the bottom trough, and tighten the screws with nuts.
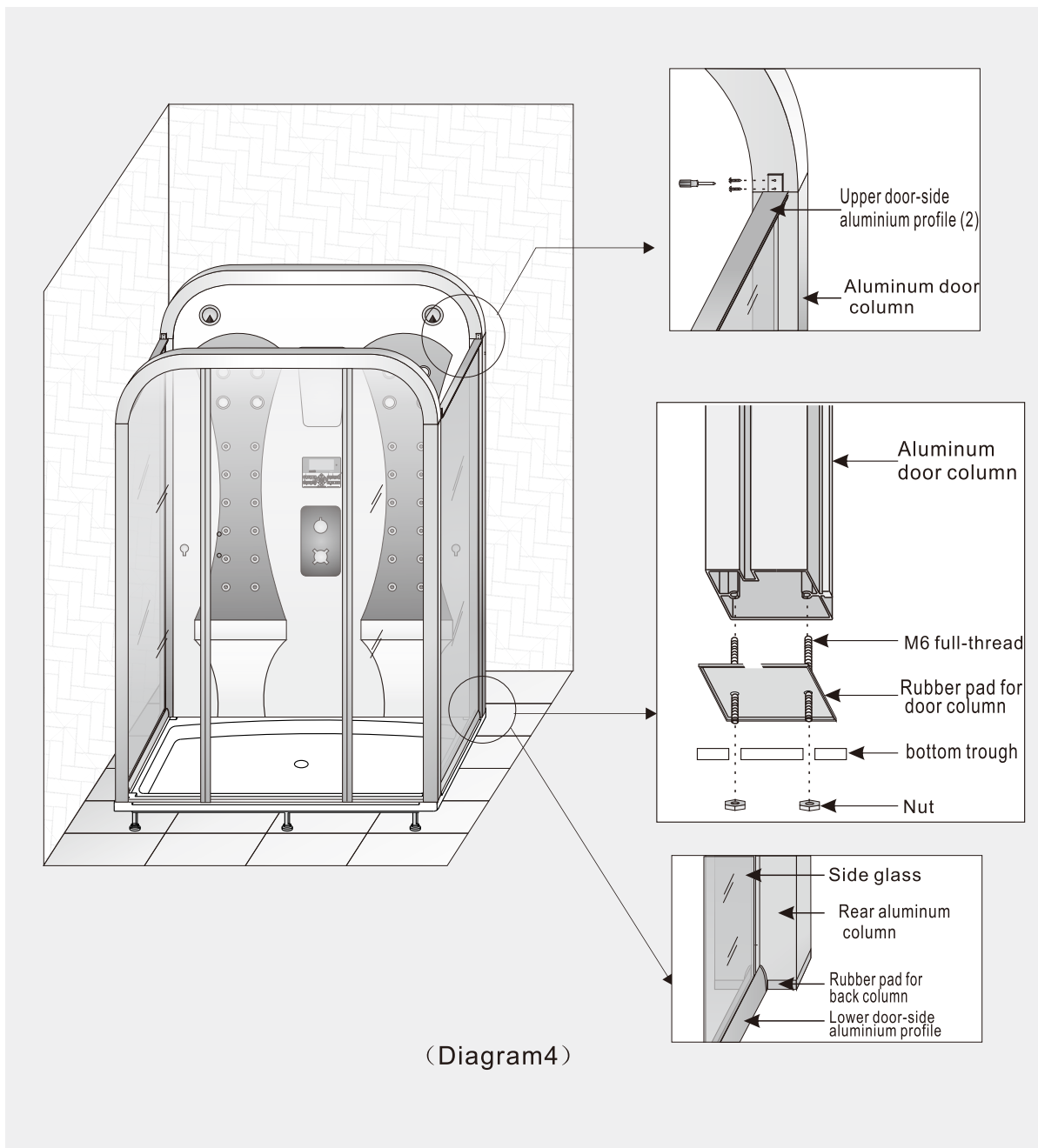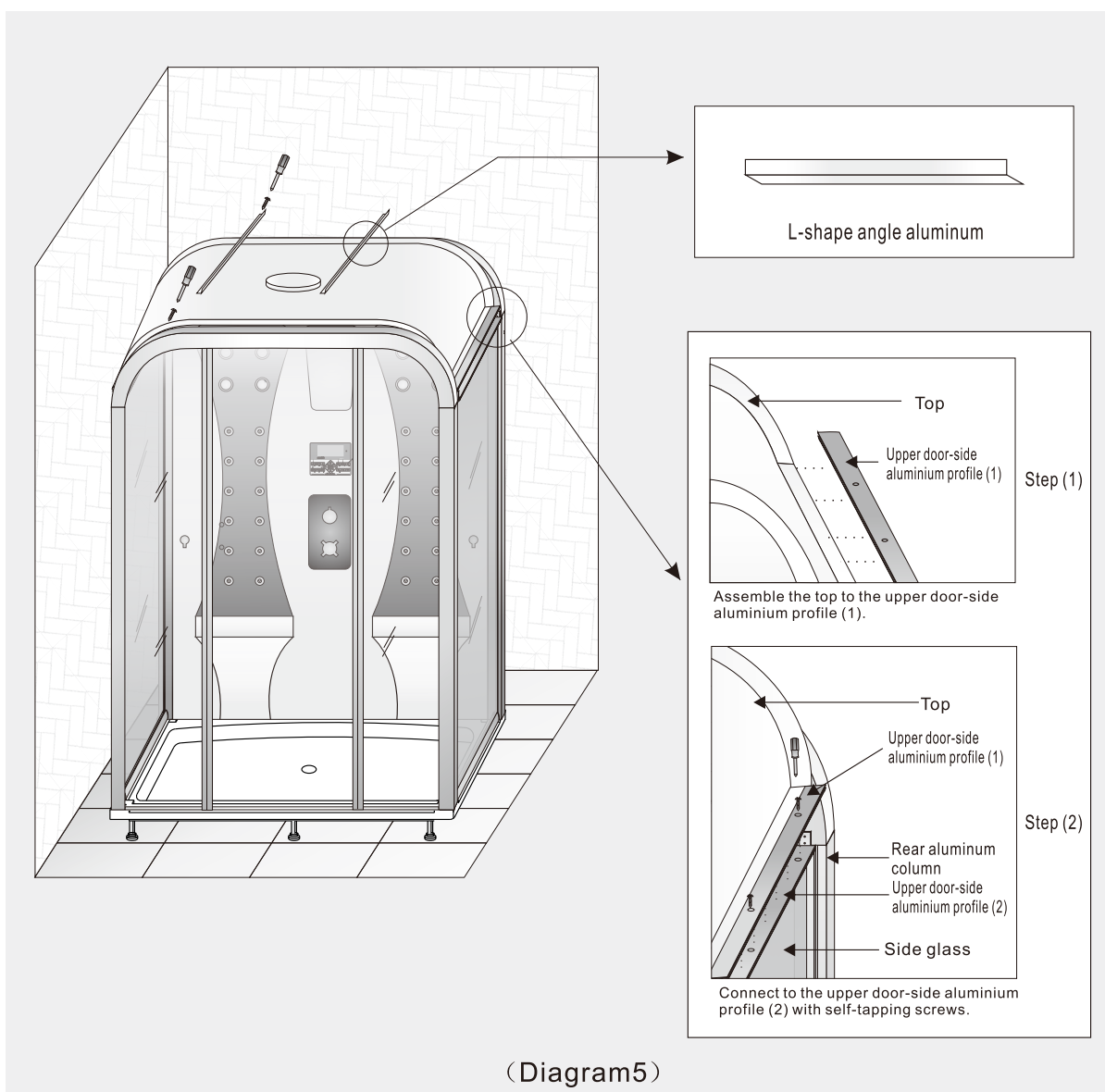 2. Connect the upper door-side aluminium profile (2) and rear aluminum column with self-tapping screws.

Upper door-side
aluminium profile (2)

Aluminum door
 column

Aluminum
door column

M6 full-thread

Rubber pad for
 door column

bottom trough

Nut

Side glass

Rear aluminum
 column

Rubber pad for
back column

Lower door-side
aluminium profile

（Diagram4）

V. Installation of top:

1. Assemble the top with top lamp and top shower to the grove of the upper door-side aluminium profile (1), line up the screw holes of the upper door-side aluminium profile (1), use M3.5×30 self-tapping screws to connect to the upper door-side aluminium profile (2) (as shown in diagram 5). (Note: Be careful not to damage the power wire during installation. Make the water tube smooth instead of folded. Otherwise it may cause electric leakage or affect the operation effect.
2. Connect to L-shaped angle aluminum and fix with screws.
3. Make connection of water pipes and electric circuits (make sure that water pipes and electric circuits are firmly connected).

L-shape angle aluminum

Top

Upper door-side aluminium profile (1)

Step (1)

Assemble the top to the upper door-side aluminium profile (1).

Top

Upper door-side aluminium profile (1)

Step (2)

Rear aluminum column

Upper door-side aluminium profile (2)

Side glass

Connect to the upper door-side aluminium profile (2) with self-tapping screws.

（Diagram5）

VI. Installation of top cover:

Assemble the side top cover to the grove of the upper door-side aluminium profile (1), and connect top cover to L-shaped angle aluminum with self-tapping screws. Cover the central cover finally (as shown in diagram 6)
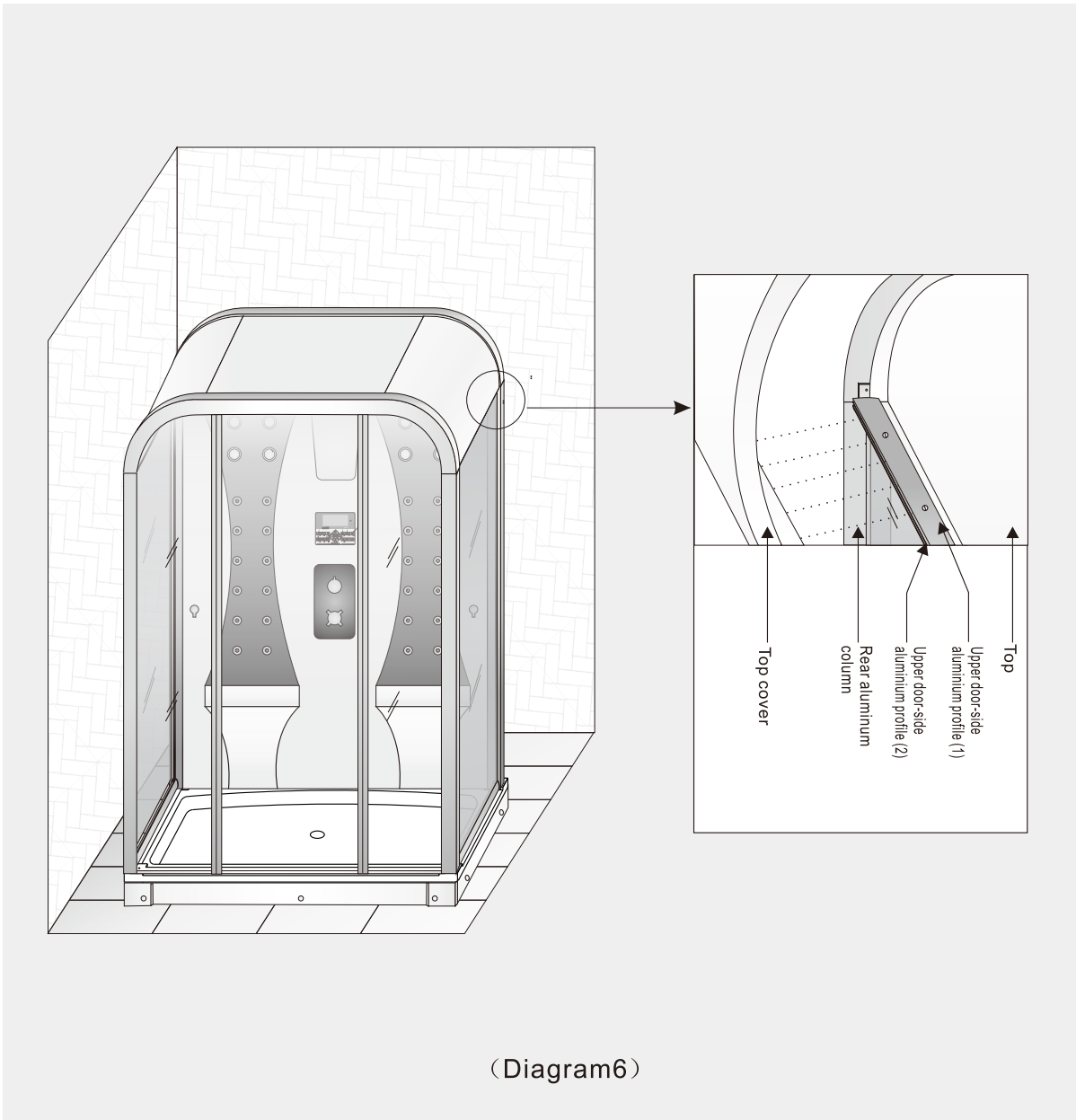
（Diagram6）

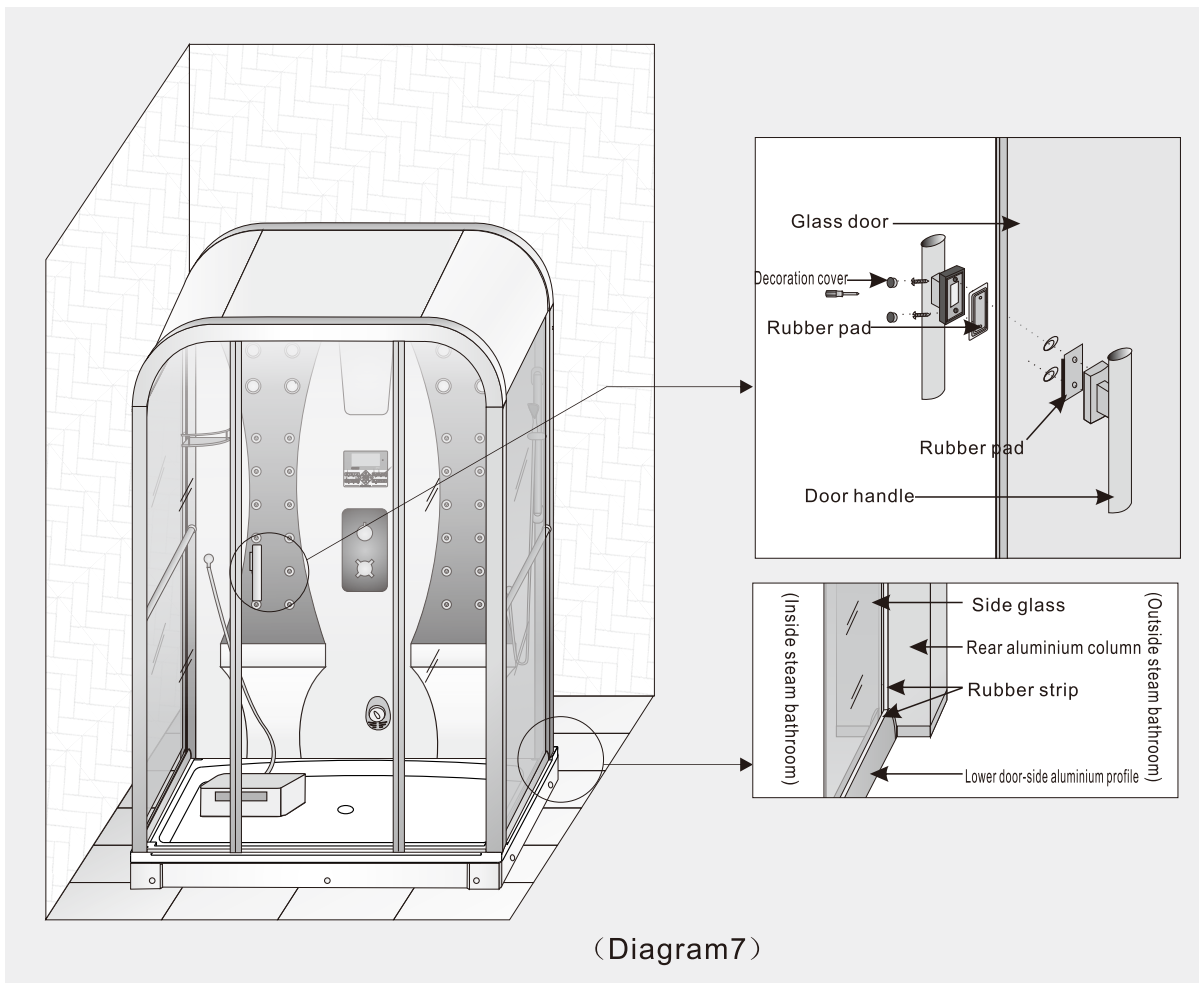VII. Installation of rubber and accessory (as shown in diagram 7):

    1. Apply single rubber to the inner side of side glass inside the steam bathroom.
    2. Assemble towel holder on both sides of rear plate.
    3. Assemble door handle, shower and foot massager to the proper positions.

VIII. Check, connect to power supply and check water supply:

    Check if the installation procedures comply with the above requirements. Make proper connection to power wire in accordance with the indication and direction and make sure that all wiring joints are tightly fixed. Then connect to power supply. Check all wire connections and water connections. Turn on the tap, turn on power, check if all functions are normal and all joints are free of leakage.

Note: 1. Make connections to power supply according to the indication of circuit and prevent from improper wiring, missed wiring or contrary wiring. Otherwise it may damage the computer board.
2. Protect the joints of wires against water or water drops.
3. Before installation and operation, pull the radio antenna outside the room for better reception effect.

IX. Fix apron board and move the steam bathroom to the proper position.

Glass door
Decoration cover
Rubber pad
Rubber pad
Door handle

(Inside steam bathroom)
(Outside steam bathroom)
Side glass
Rear aluminium column
Rubber strip
Lower door-side aluminium profile

（Diagram7）

Introduction to Function

Function Model	SP501C	SP505C
LCD (Liquid crystal display)	√	√
LCD backlight (white+orange)	√	√
Remote control function	√	√
Exhaust fan	√	√
Light 1	√	√
Light 2	√	√
Light 3	√	√
Sauna	√	√
Smart self-troubleshooting and alarm	√	√
Alarm for help	√	√
Single Scotch shower key	√	*
Double Scotch shower key	*	√
FM Digital Radio	√	√
Bluetooth	√	√
Phone Answering	√	√
Ozone function	√	√
Time Display/Time set	√	√
Abnormality alarm	√	√

Note: √ stands for function available; ∗ tands for optional function.

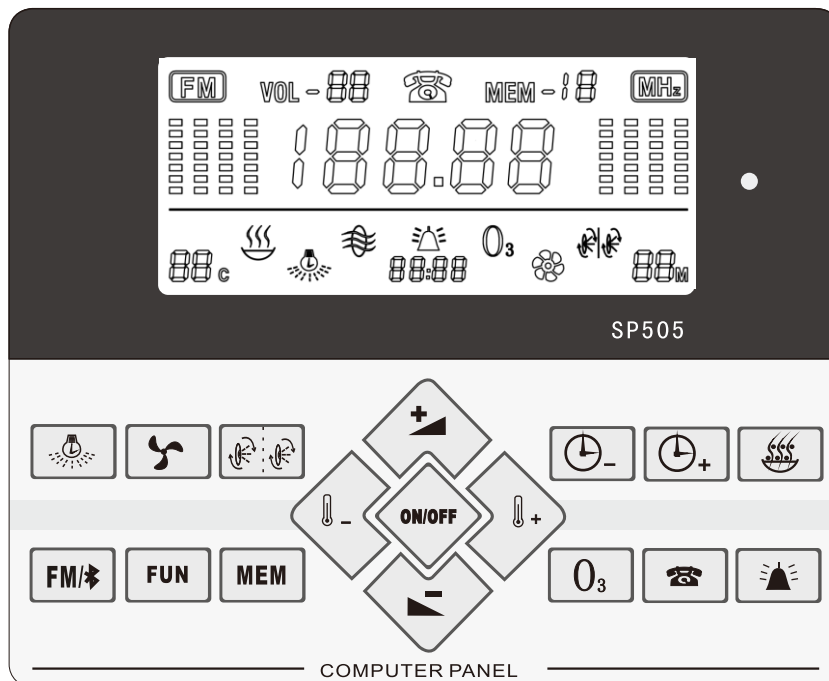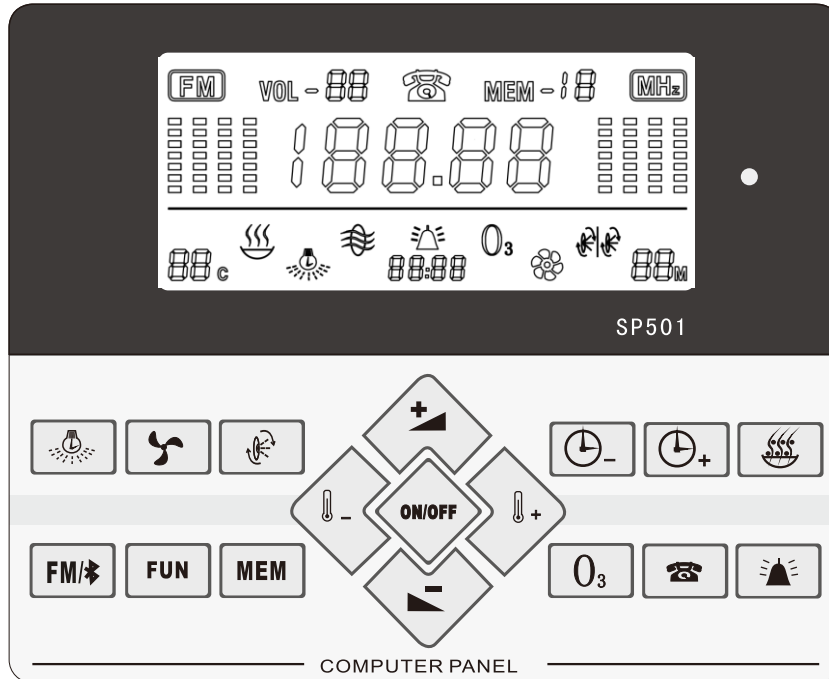## Characteristics of the controller

(1)Rated voltage：AC220V   (2)Usage voltage range：AC198V-242V

(3)Rated frequency：50HZ/60HZ   (4)Standby power：<10W(allloads off)

(5)Temperature range for use of product：+5℃～+40℃.

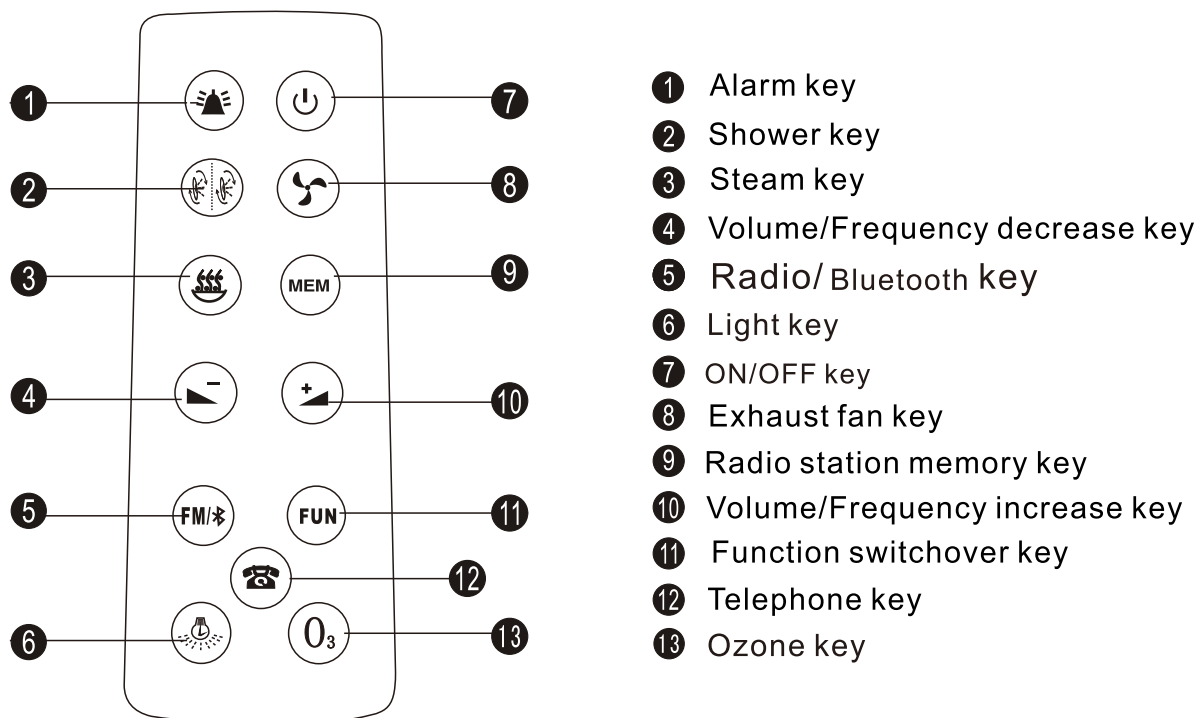## Features for remote control

1、Working voltage：DC3.0V

2、Launching agent: infrared ray

3、The expected life span of the battery: above one year

4、Launching range: the distance between thereception and the infrared sensor should be at least 5 meters

5、Launching angle: 60degrees as usual

DESCRIPTION OF KEYS ON THE COMPUTER CONTROL PANEL OF STEAM BATHROOM

SP501

COMPUTER PANEL

SP505

COMPUTER PANEL

DESCRIPTION OF KEYS ON THE REMOTE CONTROLLER

1 Alarm key
2 Shower key
3 Steam key
4 Volume/Frequency decrease key
5 Radio/ Bluetooth key
6 Light key
7 ON/OFF key
8 Exhaust fan key
9 Radio station memory key
10 Volume/Frequency increase key
11 Function switchover key
12 Telephone key
13 Ozone key

OPERATION INSTRUCTIONS FOR THE COMPUTER CONTROL PANEL OF STEAM BATHROOM

1、ON/OFF

After power on, press the **ON/OFF** key on the control panel or the remote controller to turn on the system and activate all function controls on the control panel. Both the top light and the display are on. Surrounding temperature and light indicator are shown on the LCD. Press the key again to turn off the system.
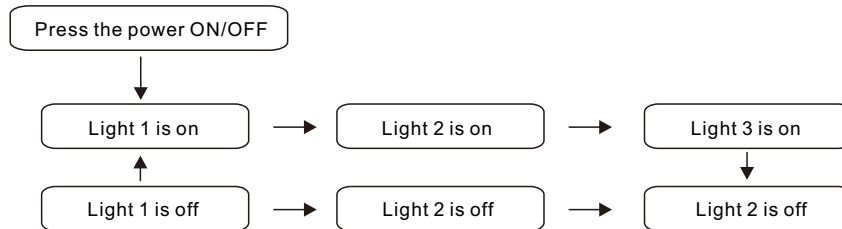
2、Exhaust fan

After the system is turned on, press the key on the control panel or the remote controller to turn on the exhaust fan function. The indicator on the LCD is on. Press the key again to turn off the exhaust fan.

3、Light key

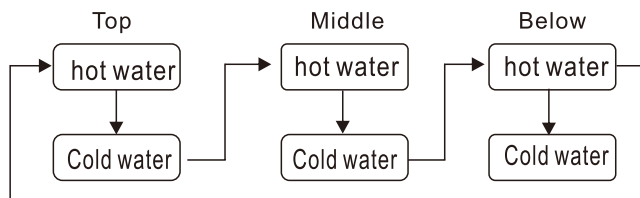3.1 The lights include Light 1, Light 2 and Light 3. If any light is on, the light symbol " " will be dynamically displayed on LCD.

3.2 Press the power ON/OFF key, Light 1 is on; press " " key at this time, Light 2 is on; press this key again, Light 3 is on; press this key again, Light 1 is off; press this key again, Light 2 is off; and press this key again, Light 3 is off. The cycle so repeats as follows:

```
                    ┌─────────────────────┐
                    │ Press the power ON/OFF │
                    └─────────────────────┘
                              │
                              ▼
    ┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
    │  Light 1 is on  │ → │  Light 2 is on  │ → │  Light 3 is on  │
    └─────────────────┘   └─────────────────┘   └─────────────────┘
          ▲                                              │
          │                                              ▼
    ┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
    │  Light 1 is off │ → │  Light 2 is off │ → │  Light 2 is off │
    └─────────────────┘   └─────────────────┘   └─────────────────┘
```

4、Single Scotch shower key (optional, only for SP501C controller) 　

　　4.1 Press this key to turn on the function of single Scotch bath, with single Scotch bath symbol " 　 " displayed on LCD. Cold and hot water in three groups each is provided in an automatic cycle in the following way:

```
          Top              Middle             Below
     ┌───────────┐     ┌───────────┐     ┌───────────┐
  ┌─▶│ hot water │  ┌─▶│ hot water │  ┌─▶│ hot water │─┐
  │  └───────────┘  │  └───────────┘  │  └───────────┘ │
  │        │        │        │        │        │       │
  │        ▼        │        ▼        │        ▼       │
  │  ┌───────────┐  │  ┌───────────┐  │  ┌───────────┐ │
  │  │ Cold water│──┘  │ Cold water│──┘  │ Cold water│ │
  │  └───────────┘     └───────────┘     └───────────┘ │
  └────────────────────────────────────────────────────┘
```

　　4.2 When shower function is on, the fan will turn on automatically if the fan is off; press " 　 " again, the fan will turn off.
　　4.3 Press this key again to turn off the function of single Scotch bath.

5、Double Scotch hower key (optional, only for SP505C controller) 　

　　5.1 Press this key to turn on the function of left shower of double Scotch shower, with single Scotch shower symbol " 　 " displayed on LCD; press this key again to turn on the function of right shower of double Scotch shower, with single Scotch shower symbol "　" displayed on LCD; press this key again to turn on the function of both left and right showers of double Scotch shower, with single Scotch shower symbol" 　 "displayed on LCD; cold and hot water in three groups each for the function of left and right showers of double Scotch shower is provided in an automatic cycle in the way of single Scotch shower function; press this key again to turn off the shower function.

　　5.2 When shower function is on, the fan will turn on automatically if the fan is off; press" 　 " again, the fan will turn off.

6. Sauna" 　 "

　6.1 When the steam is off, press " 　 "key to switch on the steam function and the LCD screen to show the corresponding logo; the water solenoid valve will open automatically and the steam generator will be filled with water automatically; If the steam function is on, press " 　 "key to switch off the steam function and the LCD screen.
　　6.1.1 When the water sensor detects the water level reaching the normal level, water intake stops and the steam function starts working; the controller will automatic ally control

the temperature of the sauna room according to the default value (the default temperature is 45℃,and the default time is 45 minutes), and fill up water automatically if it is lack of water.

Control rules:

If the temperature of the sauna room >the default temperature +1℃,the steam generator will stop heating;

If the temperature of the sauna room <the default temperature -1℃,the steam generator will restart heating;

6.1.2When temperature and time is set again, the controller will control the temperature of the sauna room according to the setting values.

Control rules:

If the temperature of the sauna room > the set temperature +1℃,the steam generator will stop heating;

If the temperature of the sauna room < the set temperature -1℃,the steam generator will restart heating;

7. Temperature setting

Press the " 〖-"or " 〖+"keys on the control panel for temperature setting, which will be shown on the LCD screen as "℃". Each time when the" 〖-"or" 〖+"key on the control panel is pressed, the temperature will be decreased or increased by 1℃; if the " 〖-"or" 〖+"key on the control panel is pressed for over 2 seconds, the temperature will be decreased or increased at a speed of 1℃ per 1 second; if the " 〖-"or" 〖+"key on the control panel is not pressed within 5 seconds, the last set temperature will become the set temperature, the system will quit the temperature setting mode, and the temperature shown on the system display will return to room temperature. Temperature setting range: 25℃ -- 60℃.

8.Time setting

Press the "🕑-"or"🕑+"key on the control panel for time setting, which will be shown on the LCD screen as " min". Each time when the"🕑-"or"🕑+"key on the control panel is pressed, the time will be decreased or increased by 5 minute; if the "🕑-"or"🕑+"key on the control panel is pressed for over 2 seconds, the time will be decreased or increased at a speed of 5 minute per 1 seconds; if the"🕑-"or"🕑+"key on the control panel is not pressed within 5seconds, the last set time will become the set time, the system will quit the time setting mode.Time setting range: 5 -- 95 minutes.

9.Auto-drainage:

When the controller is turned on, the steam generator will start auto-drainage for 2 minutes and stop automatically. When the POWER ON " ⏻"key is pressed, the system will quit the auto-drainage mode.When the controller is turned on, the steam generator will start auto-drainage for 2 minutes and stop automatically. When the POWER ON " ⏻"key is pressed, the system will quit the auto-drainage mode.

10.Digital FM receiver, Bluetooth music play, Bluetooth call answer"FM/*"

When the "FM/*"key is pressed for the first time, the radio will be turned on and the corresponding frequency will be shown on the LCD screen; when the "FM/*"key is pressed for the second time, Bluetooth will be turned on and "btc" will be shown on the LCD screen (flashing means not connected, static display means connected); Press the "FM/*"key for the third time to quit.

Digital FM receiver

FM receiver can receive FM broadcasting program with frequency from 87.5MHz to 108.0MHz.

11. Frequency increase

Press the " ▲ "key on the control panel to increase the tuning frequency for one step (1 step = 50KHz); If the " ▲ "key on the control panel is pressed for over 2 seconds, the system will start searching FM radios upward automatically and the digital lock function will automatically lock up any FM radio searched and show on the LCD screen; when the frequency reached the limit of 108.0MHz, it will automatically jump back to 87.5MHz and end the searching.

12.Frequency decrease

Press the "▬ "key on the control panel to decrease the tuning frequency for one step (1 step = 50KHz); If the " ▬ "key on the control panel is pressed for over 2 seconds, the system will start searching FM radios downward automatically and the digital lock function will automatically lock up any FM radio searched and show on the LCD screen; when the frequency reached the limit of 87.5MHz, it will automatically jump back to 108.0MHz and end the searching.

13.Volume adjustment

Volume can be adjusted by 40 scales, with 2dB for each scale, and the total range of volume adjustment is from 80dB to 0dB.During the course of adjustment, volume digit will be flashing on the LCD screen and the last set value will be the set value.

Press the "FUN "key on the control panel to show the volume digit "dB" on the LCD screen. Each time when you press the " ▬" or "▲ " key on the control panel, the volume will be increased or decreased by 2dB; if the "▬" or "▲" key is pressed for over 2 seconds, the volume will be decreased or increased at a speed of 2dB per second; if the " ▬"or "▲ " key is not pressed within 10 seconds, the last set volume will be the set volume, and the system will quit the volume setting mode.

14.Bluetooth music play and Bluetooth call answer (hands-free) control

Bluetooth connection

Searching the Bluetooth device "PROW-BT" by mobile phone and matching. The "btc" and music icon will display on phone screen, reminding the control systerm has been connected with mobile phone; the "btc"icon flicks if connecting fails.

Switch off the connection by touching the button " FM/* " for 3s when Radio and Bluetooth function close; click to match the device again when needed.

15. Play/Pause music through bluetooth

Switch on the music player on mobile, touch "**FM**/❋"key for 3s to control play/pause of music,touching " ◣⎺ , ⎻◢ " key to choose previous or next song.

16. Answer, hang up or reject a Bluetooth phone call

Incoming call: when there is an incoming call, the incoming call rings will be heard from the loudspeaker, "TEL" will be shown on the LCD screen, and the phone call logo "☎" is flashing on the display.

Answer a Bluetooth phone call: Press the "☎ "key to answer the call. the Volume shown on the LCD screen, indicating a call is connected.

Hang up a Bluetooth phone call: When Bluetooth is under a call mode, if the "   " key is pressed, the call will be hung up and Bluetooth will quit the call mode, or if the other side hanged up the call, Bluetooth will quit the call mode and the status before answering the call will be shown on the LCD screen.

Reject a Bluetooth phone call: If you press the " ☎"key for 3 seconds when there is anincoming call, the call will be rejected.Bluetooth will quit the call mode,

Calling volumn adjusting: Just adjust the calling volumn by touching " ◣⎺ " key on the control panel under the state of phone calling through Bluetooth. Adjust the calling volumn by touching" ⎻◢ "key on the control panel.

17. Clock function

17.1 This system has the clock function to display the real time on LCD.

17.2 The real time will lose when the system is power off. Re-adjust the clock after next power-on.

17.3 Adjust the clock: press " FUN " key twice with real time flashing on LCD; and press " ⬧ " key at this time for hour adjustment and " ⬦ " for minute adjustment .

18. Abnormality alarm ⚠

18.1 In case of any emergency and abnormal situations, press this key to send off the alarm, with alarm symbol "⚠" displayed on LCD, and all functions will turn off except light and fan.

18.2 Pressing the power ON/OFF key is the only way to stop the alarm function and clear the abnormality alarm.

19. Ozone sterilization" O_3 "

Press the "O_3" key on the control panel. The ozone generator will be turned on autom atically and carry out sterilization to the sauna room for 10 minutes, then stop automati cally. The fan will run automatically for 15 minutes. When the ozone function is on, press the " O_3" key on the control panel to turn off the ozonefunction automatically.

Smart self-troubleshooting and alarm

The system is provided with five built-in smart self-troubleshooting functions. Troubles are defined as follows:

1.E1: Temperature sensor fault: If the steam function is turned on and the temperature sensor is malfunction, steam will be closed automatically and the steam function is out of use. When the temperature sensor is disconnected or short-circuited, the temperature display will become a flashing "E1" and the alarm buzzer will ring "Ding…Ding…"for 10 times. After the temperature sensor is detected again, E1" disappears and system resumes to normal.

2.E2: Water level detector fault: If the water level detector is out of function when the steam function is in use, for example the water level is lower than the detect level, no water is coming in, or there is scale on the probe, if there is any fault of the water detecting circuit, the temperature display will become a flashing "E2" and the alarm buzzer will ring "Ding..Ding…" for 10 times, and the steam generator will stop heating. When the water level reaches the normal level, or the steam function is turned off, "E2" disappears from the screen.

3.E3: Water level detection overtime fault: if the power is not cut off and the fault is not cleared after the alarm for water level detector fault"E2" sounds for over 2 minutes, "E3" will be shown on the LCD and the alarm buzzer will ring "Ding…Ding…". The system will turn off automatically and all loads will turn off. After the system is turned off and the alarm is cleared, other functions of the system resume normal.

4.E5: Dry-boiling fault: If the water level detection is failed and out of function, and the steam generator keeps heating without water, the inside temperature will become too high. If the temperature is ≥108℃, the steam function will turn off automatically. Flashing "E5" will be shown on the LCD screen, the alarm buzzer will ring "Ding…Ding…"for 10 times, and the steam generator will stop heating. Only after the fault is cleared, the steam function will resume normal operation.

5.E6: Steam system fault: When steam system fault is detected by the system, the steam function and the system will turn off automatically. Flashing "E6" will be shown on the LCD screen, the alarm buzzer will ring "Ding…Ding…"for 10 times, and the steam generator will stop heating. "E6" can only be cleared after the ON/OFF key is pressed. Ask qualified technician to check the drainage valve, drainage pipe, water level probe and heating wire and clear the fault and make the steam function resume norma

Characteristics of control:

1. If multiple faults ("E1""E2""E3""E5""E6") appear at the same time, they will be shown on the LCD in turn;

2. If fault "E3"and "E6" appear, the system will turn off automatically and all loads will turn off. To clear the fault logo "E3" and "E6", press the ON/OFF key again. If fault "E1" and "E5" appear, the steam function will be unable to use, which will resume normal after the fault is cleared.