KARAG
bathroom experience...

# Traditional Sauna

# User Manual



LM-S02/S05 T03B /T04B

## Applicable for All Traditional Saunas

**Thanks for choosing our traditional sauna. Please take the time to read through this manual carefully. Keep this manual and your proof of purchase for future reference and service calls.**

# Table of Content


**TABLE OF CONTENT..... 2**

**INSTALLATION GUIDE ..... 3-4**

ELECTRICAL REQUIREMENT.....3
PACKAGES INFORMATION.....3
WHERE TO START.....4
CAUTIONS TO INSTALATIONL.....4

**INSTALLATION PROCEDURE..... 5-25**

CONNECTING METHOD OF PANELS.....5
INSTALLATION SECTION A.....6-9
INSTALLATION SECTION B.....9-14
INSTALLATION SECTION C.....15-17
INSTALLATION SECTION D.....18-24
ACCESSORIES.....25

**OPERATION INSTRUCTIONS OF STOVE AND CONTROL PANEL..... 26-27**

**USAGE GUIDE..... 28-29**

PRECAUTIONS.....28-29
CLEANING AND MAINTENANCE.....29

**TROUBLESHOOTING.....30**

# Installation Guide

Please read the following directions carefully. The sauna installation requires at least 2 people, and more people if the sauna cabin is big and heavy. You should not try to install the sauna on your own as damage will easily occur.

## Electrical Requirements

Each sauna will require a exclusive circuit when plugged in an outlet. A exclusive circuit requires that no other appliance to share the outlet/circuit with the sauna. Failure to comply with this requirement may cause electrical interruption and diminished performance.

Please make sure the sauna is properly grounded. Serious injury may result if proper electrical requirements are not met.

It is recommended that a qualified electrician install your dedicated electrical wiring for proper sauna functionality and to avoid any potential electrical hazards, especially for the big power saunas which requests to connect with an air switch on your side.

## Package Information

Each sauna includes a few of boxes.

Each sauna has one serial number which is shown on each carton of one sauna, please make sure the cartons you get are with a same serial number, so that you can assemble the unit well.

Please make sure that you open the boxes face up. Please be very careful when opening boxes, due to fragile parts and glass.

## Where to Start

Lay the cartons flat on the ground and open them carefully.

Open all the cartons, take the floor (bottom panel) from carton A firstly, start to install your sauna pleasantly.

Tips: Before the start of installation, or at least before installation of the top panel, please remove the dust-proof cover from the top panel to take out the accessories and screws etc.




## Cautions to Installation

1- No plumbing or plumbing fixtures should be placed in the sauna.
2- Keep all liquids away from the electric components.
3- Install the sauna on a completely level surface.
4- Install the sauna in an area that is dry and protected from the weather.
5- Flammable objects and corrosive chemical substances should be kept far away from the sauna.

# Installation Procedure

## Connecting Methods of Panels (Walls)

There are mainly 2 connection methods of our sauna panels (walls):

A: Buckle locking system (Figure C-1).

B: Latch locking system (Figure C-2).



*Figure C-1: Buckle Locking System*



*Figure C-2: Latch Locking System*

**Tips:** *Refer to "Connecting Method of Panels (walls)" on how to assemble the panels together for the following installation procedures.*

## Section A

## Installation Procedure of Straight Types

### Part 1: Assemble the Cabin



*1, Rear Panel*

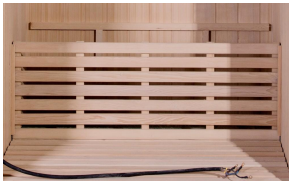


*2, Side Panels (no matter which side firstly)*



*3, Floor Panel*



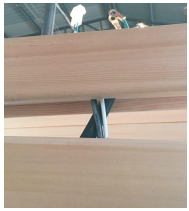




*4, Bench Supporting and Seat Panel*







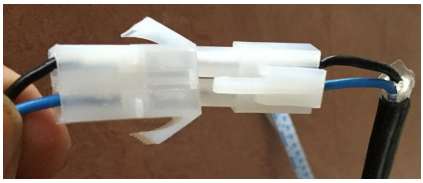


*5, Front Panel*

*6, Top Panels and Roof Fixed by Screws*

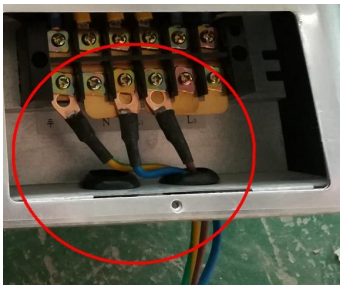
## Part 2: Assemble the power supply.

**1), Connect the cables for explosion-proof lamp on roof PANEL.**



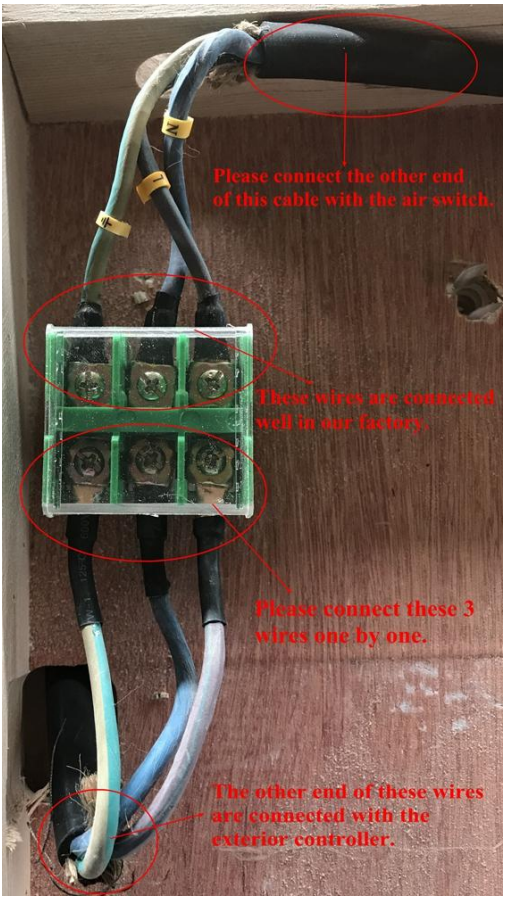
One connection for input, the other connection for output.

**2), Connect the cables with stove.**



Please connect these 3 cables well, match the color one by one: Yellow/Green to Ground, Blue to N, Brown to L.

**3), Connect the cables on roof.**

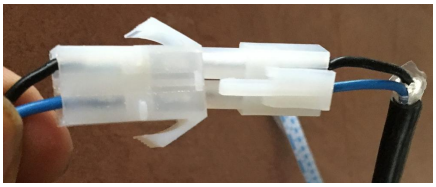



The other end of this cable is to connect with the air switch at customer's home.

These cables are connected well in our factory.

These cables should be connected by customers themselves. Please match the colors: Yellow/Green to Ground, Blue to N, Brown to L

The other end of these cables are connected with the controller.



Cables connection for explosion-proof lamp

**4), Connect with an air switch for power supply.**

1) Please connect with an air switch as per the actual condition at your home.

2) Please make sure the air switch is properly grounded.

3) It's better to have leakage protector for the air switch, even though the sauna has already been built a leakage protector on the roof.

4) It's better to have a specialized electrician to help you.

## Section B

## Installation Procedure of Curved Front Panel Types

### Part 1: Assemble the cabin.



*1, Rear Panel*





*2, Side Panels (no matter which side firstly)*

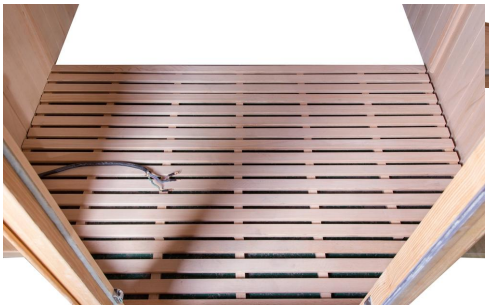


*3, Front panel*

**Tips:** Assemble each small panel of the curved front panel one by one, you can adjust the turns as you like.







*4, Floor Panels*





*5,Bench Supporting and Seat Panels*

*6, Top panel*



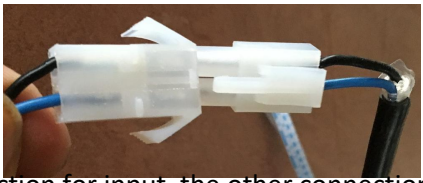
When assemble the roof panel, the cables from the side wall should be draw out to the roof for corresponding connections in next steps.



For all LM-S models, after assemble the roof panel, please fix the roof by screws.

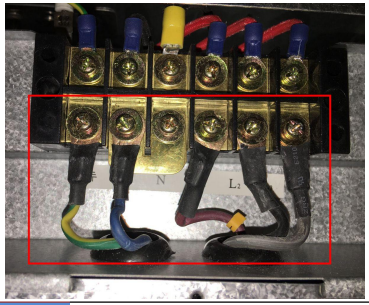
## Part 2: Assemble the power supply.

**1), Connect the 2 cables for explosion-proof lamp on roof PANEL.**



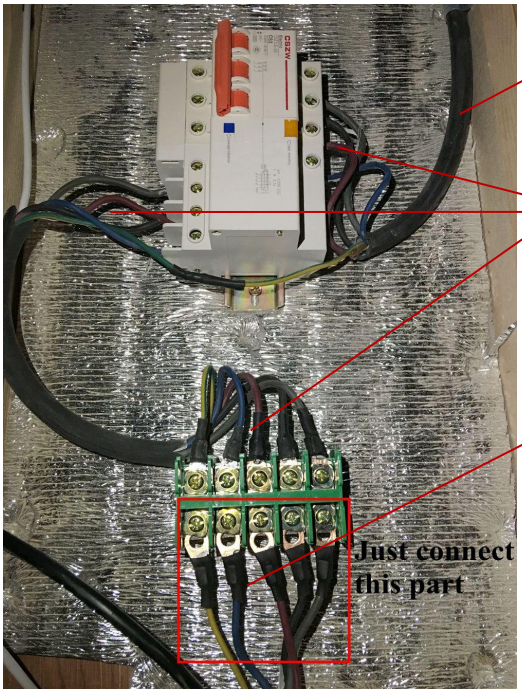
One connection for input, the other connection for output.

**2）Connect with the stove.**



Please connect these 5 cables well, match the colors one by one:
Yellow/Green to Ground, Blue to N, Brown to L1, Black to L2, Grey to L3.

**3), Connect the cables on roof.**

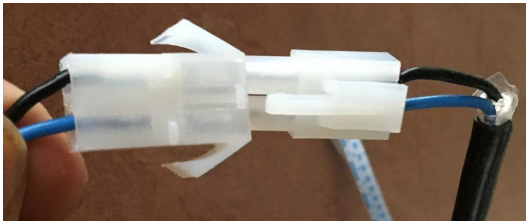



The other end of this cable is to connect with the air switch at customer's home.

These cables are connected well in our factory.

These cables should be connected by customers themselves. Please match the colors: Yellow/Green to Ground, Blue to N, Brown to L1, Black to L2, Grey to L3

The other end of these cables are connected with the controller.



Cables connected for explosion-proof lamp

**4), Connect with an air switch for power supply.**

1)Please connect with an air switch as per the actual condition at your home.

2)Please make sure the air switch is properly grounded.

3)It's better to have leakage protector for the air switch, even though the sauna has already been built a leakage protector on the roof.

4)It's better to have a specialized electrician to help you.

## Section C

## Installation Procedure of Straight Types (All Glass Front Panel)

### Part 1: Assemble the cabin



1, Floor Panel



2, Rear Panel



3， Left Side Panel



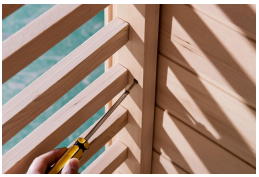
4, Benches



6, Right Side panel

Install seat panel of the corner bench





7,Install the supporting panel of L bench, fix by screws



8, Install the seat panel of L bench



9, Install seat panel of the up bench





10, Top Panel and Side glasses





11, Glass Door and Door Handle

## Section D

## Installation Procedure of Corner Types (All Glass Front Panel)

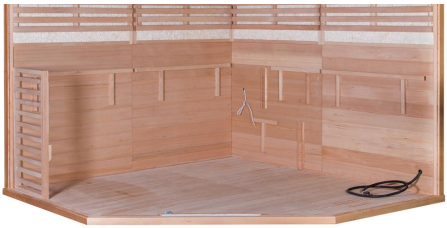
### Part 1: Assemble the cabin



1, Floor Panel



2, Rear Panels

















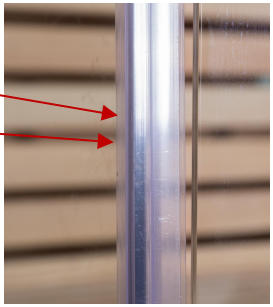
3, Bench Supporting and Seat Panels



4, Install the top panel and 2 side glass panels at the same time.

Please connect the cables requested on the roof.





5, Front Glass Panels and install the plastic strips between side glass panels and front glass panels against glass corners.



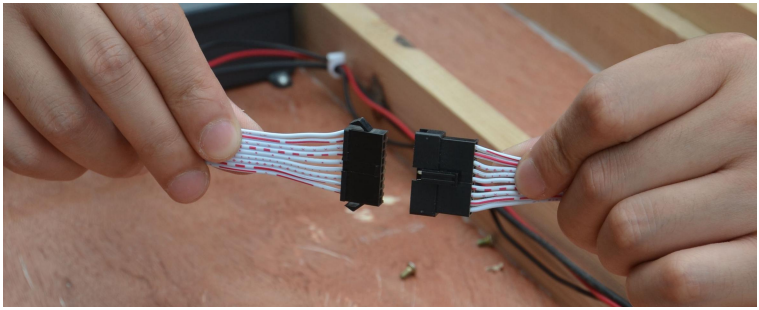
6, Install the Glass Door

## Part 2: Assemble the power supply.

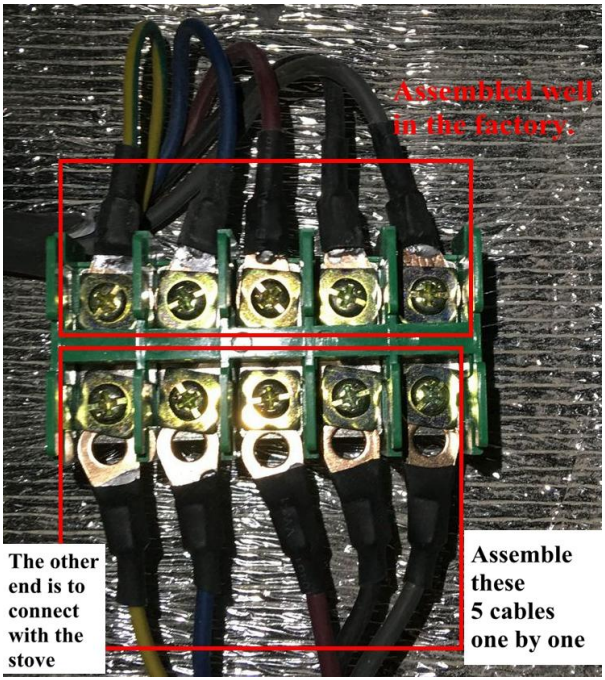
This model is recommended to use single digital or LCD (optional) display control panel, and the installation of electricity is a little different.

## 1) Connect the cables on roof.

**A, Please connect the cables from control panel and power box together.**

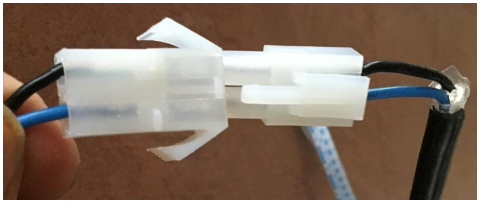


**B, Please assemble the cable in the electric connection bar. (The other end of the cable is to connect with the stove)**



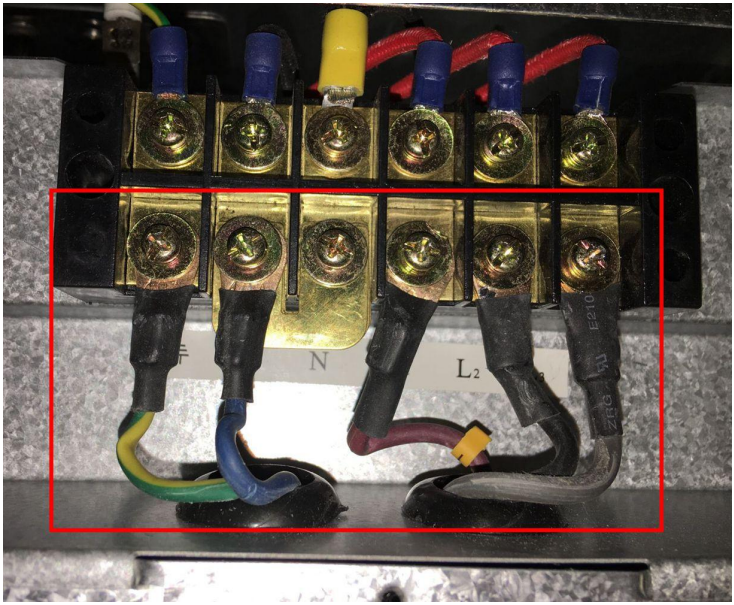

**5-wire cable**

C, Other connections of cables.



For Explosion-proof lamp

## 2)Connect the cables with stove.




**5-wire cable**

Please connect these 5 cables well, match the colors one by one:
Yellow/Green to Ground, Blue to N, Brown to L1, Black to L2, Grey to L3.

## 3)Assemble the cable with the air switch for power supply.

A, Please connect with an air switch as per the actual condition at your home.

B, Please make sure the air switch is properly grounded.

C, It's better to have leakage protector for the air switch, even though the sauna has already been built a leakage protector on the roof.

D, It's better to have a specialized electrician to help you.

**After the connection to stove done, assemble the wooden stand for stove.**





**for the models with wooden front panel**





**for the models with all glass front panel**

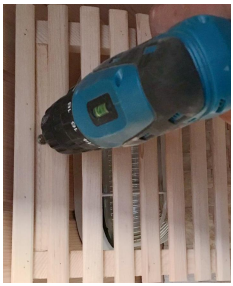
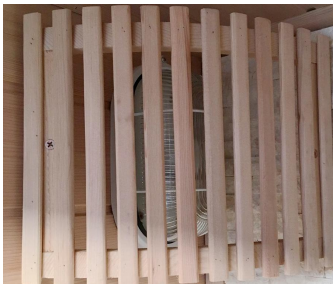
# Accessories

**Explosion-proof lamp**

Connect the wire with the light and fix the light on the wall (generally left side wall).





**Thermohygrometer & Sandy timer & Wooden bucket and Scoop**

You can fix them on the walls as per the punched holes or on your desired locations.




# Operation Instructions of LCD Display Control Panel

***If your sauna is with such a control panel, refer to this Operation Instructions.***






**Power Button (On/Off)**

This button turns the sauna on or off.




**MP3 Switch Button**

Insert USB device into the USB port, then press this button to switch to MP3 mode.




**FM Switch Button**

Press this button to switch to FM (Radio) mode.



**Music Control (Play/Pause)**

Press this button to play or pause when it is in MP3 mode.



**Time Button (Increase/Decrease)**

Press the (+) or (-) button to increase or decrease the sauna timer. It will count down until 00 and shut down the heaters.

Tips:

1, If you would like to keep the sauna working continuously (no time limit), press and hold both (+) and (-) buttons, the display should show two dashes (--). To start the timer again, just click on one of the Time Control buttons.

2, Press the (+) or (-) button to increase or reduce volume.




**Temperature Control (Increase/Decrease)**

Press the (+) or (-) button to increase or decrease the sauna temperature. The heaters will turn off when the sauna reaches

its desired temperature.

Tips:

1, Temperature setting ranges from 18 to 90℃.

2, Press and hold both (+) and (-) buttons to switch the temperature display between Fahrenheit and Celsius.

3, Press the (+) or (-) button to choose next or previous song in MP3 mode, or tune in FM (Radio) mode.



**From left to right, the buttons marked as 1, 2, 3, 4, 5 with description in details as below:**

**1,** Press this button to connect with the blue-tooth devices for music playing if with blue-tooth function optional. **If without such a function, no this button**.

**2,** Press this button to change colors of chromo therapy light automatically, if there is any therapy light optional and operate by the control panel.

**3,** Press this button to select color of the chromo therapy light one by one, if there is any therapy light optional and operate by the control panel.

**4,** Press this button to power the explosion-proof on or off.

**5,** Press this button to power the LED light on or off.

# Usage Guide

Allow your sauna to warm up for 15-20 minutes. You may close the vent on the ceiling to speed up the preheating process.

Drink plenty of water to avoid dehydration during or after the sauna using. It is better not to exceed 40 minutes one time.

If the sauna becomes stuffy, open the vent on the ceiling to allow fresh air into the sauna.

## Precautions to use the sauna

- If the temperature becomes unbearable, decrease the temperature or shut off the power immediately.
- Do not use if pregnant or have serious inflammation, a fever, a communicable disease, acute bleeding, or intoxicated.
- Concern the temperature if using the sauna with the elderly or children. Children need adult to accompany when using the sauna.
- Do not consume alcohol or drugs when using the sauna.
- If using prescription drugs, please seek advice of a personal physician or a pharmacist.
- Individuals with cardiovascular conditions or problems (hypertension / hypo tension), congestive heart failure, impaired coronary circulation, which might affect blood pressure, should exercise extreme caution when exposed to prolonged heat.
- Chronic diseases such as Parkinson's, Multiple Sclerosis, Central Nervous System Tumors and Diabetes with Neuropathy are conditions that are associated with impaired sweating.
- The use of saunas should be avoided by anyone who is predisposed to bleeding.
- An individual that has insensitivity to heat should not use any type of sauna.

- Heating of the low back area of women during the menstrual period may temporarily increase their menstrual flow.
- If have a recent acute joint injury, it should not be heated for the first 48 hours after an injury or until the hot and swollen symptoms subside.
- Metal pins, rods, artificial joints or any other surgical implants should consult a surgeon prior to using the sauna.
- Do not splash water on the heaters or any electrical component inside the sauna.
- Do not bring wet towels into your sauna or any substances that could harm the interior of your sauna.
- Do not install a lock on your sauna.
- All repairs need to be authorized by the supplier‘s representative; otherwise product warranty may be voided.

***In the rare event, you fell painful and/or discomfort, immediately discontinue sauna use.***

## Cleaning and Maintenance

Use a clean damp towel to wipe off the bench, floor and around the back panel. Do not use a towel that is too wet and can drip water inside the sauna and do not use cleaning agents inside the sauna.

Make sure to keep the sauna dry and clean. Do not leave towels or water glasses or bottles inside the sauna after use. Wipe the exterior surface of the sauna with a towel and clean the glass at least once a month.

## Wood Care

If the sauna exterior body was scratched or scuffed, it can be concealed by using a small amount of furniture polish, oil or other furniture treatment. The interior blemishes, scratches, or scuffs can be either left alone, sanded or combination of gluing plus sanding. Please avoid any treatment containing benzene or a high concentration of alcohol.

# Troubleshooting

## Tips:

If you want to check or replace something (for example, explosion-proof lamp) concerning electric components or accessories, please make sure the power supply of sauna cabin has been shut off.

**The stove does not power on**

- Make sure the main power plug of the sauna is connected to the socket at your home, or connection to the air switch is well.
- Make sure all the cables are connected to the stove or exterior controller well.
- Make sure the power socket or air switch at your home is working by trying a different device on the same socket.

**Explosion-proof lamp does not work**

- Make sure the cables are connected well.
- Replace a new bulb.

***For more troubleshooting advice or to report a problem, please contact with your supplier.***