

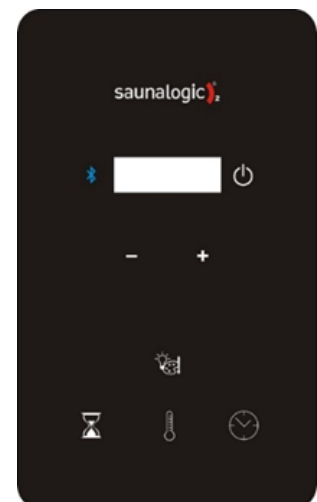


Twilight Indoor Free-Standing Sauna Manual

SL2 Control



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Read all instructions carefully before installation including instructions packaged separately with the sauna heater. Please leave all instructions and warranty with the owner.

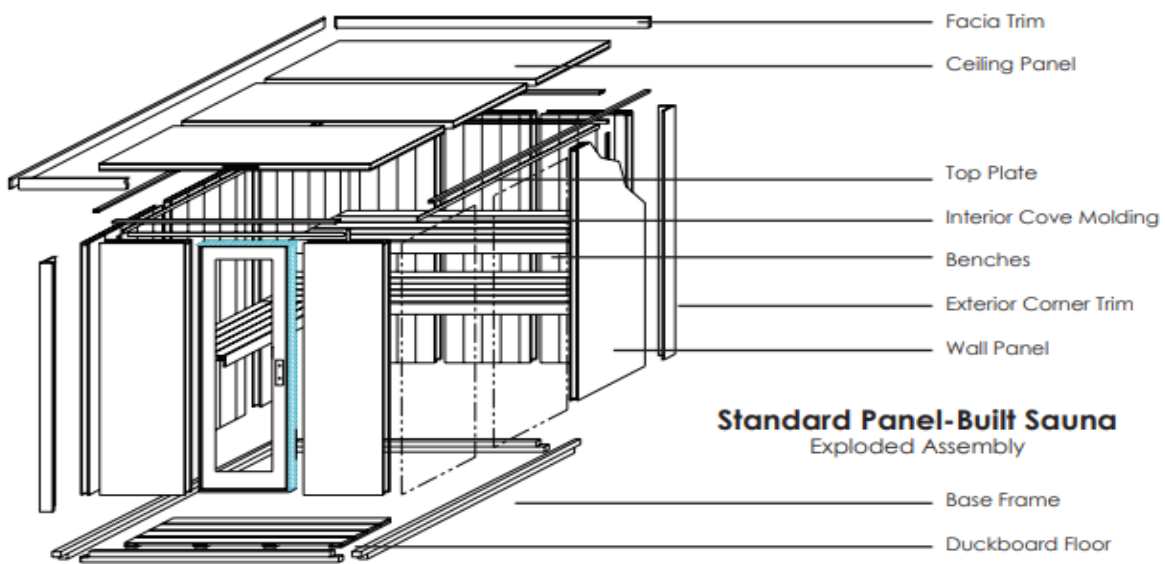
WARNING: When using electrical sauna heaters and associated sauna products, basic precautions must be followed, including the following:

1. Grounding is required.
2. No electrical receptacle shall be installed in the sauna room.
3. Be sure rocks are placed in the heater according to the Heater Installation and Operation Instructions.
4. Do not tamper with the door or install a latching or locking system. Malfunction of which may cause entrapment inside the heated room.
5. Do not block ventilation openings. Vents must be kept free of obstruction so proper airflow is maintained in the sauna room.

WARNING: The use of alcohol, drugs, or medication can increase the risk of fatal hyperthermia.

WARNING: Prolonged exposure to elevated temperatures is capable of inducing hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 98.6°F. The symptoms of hyperthermia include an increase in the normal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include failure to perceive heat, failure to recognize the need to exit the room, unawareness of impending hazard, fetal damage in pregnant women, physical inability to exit the room and unconsciousness.

CAUTION FIRE HAZARD: Do not use the sauna room for drying clothes, bathing suits, etc. Do not hang towels above the heater or place any object, other than the rocks supplied, in the heater. If any darkening of the wall around the heater is noticed, discontinue sauna use immediately.



Note: Base rail, top rail and trim are all labeled.

*Parts depicted in the diagram will differ between models

Receiving Shipment

Please immediately check for any hidden damage that may have occurred in shipping. If any damage is found, you must notify the delivering carrier within seven days.

Taking a few minutes with the following instructions will ensure quick and proper assembly, and many years of enjoyment and relaxation. By reviewing all the instruction steps ahead of time, you will have a better feel for the entire process.

Your sauna package will arrive on a stretch-wrapped pallet including a stack of prebuilt panels, benches, and boxes with the heater



Hardware Package

- Bag of 1 1/2" Screws
- Bag of 3" Screws
- Torx Bit
- 2 Carriage Bolts w/ Washer and nut.
 - * Screws are specially coated to not react with cedar or pressure treated wood.

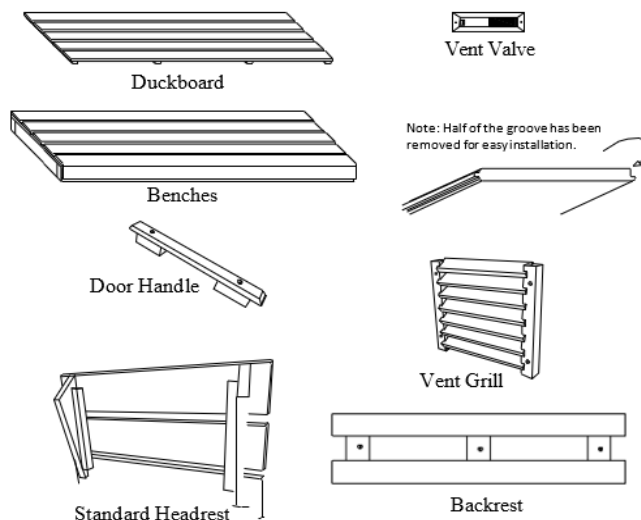


Tools Required

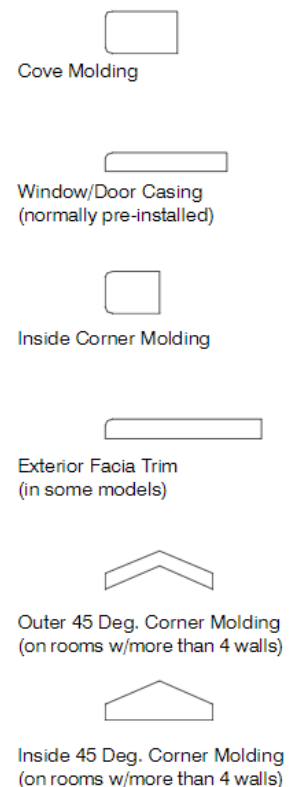
- Hammer or brad nailer
- Handsaw or miter box (trim molding installation)
- Cordless Drill
- Tape measure
- Square
- Level
- 3/8" wood bit (if sauna room has an L-bench)
- Torx bit (provided)
- Shims
- Phillips screwdriver
- Finishing Nails
- 100% Silicone Caulking

Accessories

*Styles may vary based on Interior & Designer Series.



Trim Profiles



INSTALLATION OF SAUNA ROOM

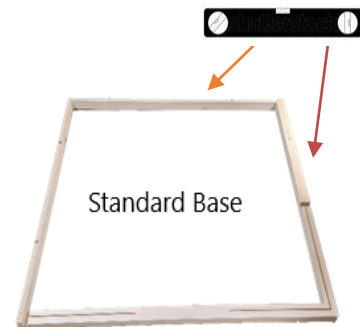
If the sauna is to be placed against existing wall(s), panel installation should begin away from the wall starting with the right panel. After these panels are in place, the sauna can be slid back towards the wall(s) keeping it 1/2" to 1" separation from wall and sauna.

NOTE: Your sauna can be placed on concrete, tile, linoleum, or any surface that does not absorb water. Do not install the sauna on carpeting.

All wall panels are numbered at the top and should be readable from the interior of the room. These numbers will coincide with the numbers on the base frame.

NOTE: The tongue and groove on the panels will always face the same direction

- △ Each panel is heavy. Use caution to avoid injury when installing, especially the roof panels.
- △ Two adults are required for the installation of sauna room.



Base Installation

1. Position the base frame in the desired location on a level surface. The largest number on the base frame is the standard door location. The stamped numbers on the base frame should be readable from inside of the room.
2. Fasten the corners of the base frame using one 3" screw at each corner in the predrilled holes. Predrilled holes are purposely made at an angle. (Image 2)
3. The base rail is numbered to correspond with the panels. (Image 3)

NOTE: Using a level and measuring tape, confirm the base frame is square by measuring corner to corner. The dimensions should be the same when the base is square. Shim where needed to level the base.

Wall Panel Installation

Starting with a back wall corner panel. Slide the panel along the base frame until framework is flush with the outside of the base frame. Hold the corner so framework is tight up against the framework of the other panel.



Image 1



Image 2

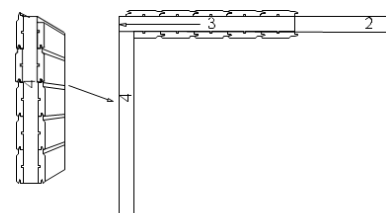


Image 3



Image 4

NOTE: For ease of installing the panels, tilt the top of each panel back to get the tongue and groove alignment started. Then tilt forward for an easy fit. (*Image 4*)

4. Secure the back wall to the right wall with three 3" Torq screws (screws and bit provided). Install one screw on the top of the wall, one in the middle, and one on the bottom. Ensure the tongue and groove wall boards are tight together at the interior corner of the sauna and the corner is flush on the outside edge when screws are installed. (*Image 5*)
5. Secure the two wall panels together with a 3" screw (screw provided) where the panels meet on top. Ensure tongue and groove are fully engaged. (*Image 6*)
6. Continue setting the panels into place matching base number with panel number as marked.

NOTE: A rubber mallet or wood block and standard hammer can be used to make sure that the bottoms of each panel are even with the corners of the base frame/floor perimeter. Be careful not to damage the panels when using this technique.

Top Plate Installation

7. After installing the wall panels, install the 1" thick top plate. This top plate aligns and locks the top of the wall panels together.

NOTE: Before installing top plates, ensure all panels are fully connected on top and on the corners.

8. Install back top plate first. Matching top plate with the corresponding wall panel number. (*Image 9*) Install notched ends facing up. (*Image 7*)
9. Install the left and right wall top plates notched end facing down. So, they fit into the notches of the corresponding top plate. (*Image 8*)
10. Firmly press down (use a hammer if needed) until top plates rest on the framework of the wall panels. (*Image 8*)
11. The top of the plate should be flush with the top of the interior tongue and groove.
12. Secure top plates using the 2" Torque screws (screws included). Install one screw in each corner and one screw in the center of each wall. (*Image 10*)



Image 5



Image 6



Image 7



Image 8



Image 9



Image 10

Knee Wall Installation

13. After the top plate is installed and side walls are up, install the knee wall by leaning it in, as shown in (Image 11).
14. Lean and set the side glass panel into the channel of the knee wall and connected side wall panel. (Image 12.A)

NOTE: While the glass should be secure in the channel, it is recommended a 2nd person hold the glass until the front glass panel is set and is able to help secure the corner.

15. With the side glass panel in place, lean and set the front glass panel into place to butt-up against the glass on the side (Image M). Fit the clear rubber gasket of the edges of the glass to seal and to help hold the glass together (Image 12.B)

NOTE: When the glass panels are installed, the room should look like (Image 12.C)



Image 11

Glass Transom & Glass Door Installation

16. After the glass panels and the front wood panel are in place, the glass transom between the front glass panel and the wood panel can be installed.
17. To install, secure the metal connector by clamping the two metal pieces together to secure the glass and tighten using the Allen Wrenches (Hex Keys) and secure the transom to the wood panel using Allen Wrenches (Hex Keys).

DO NOT TIGHTEN UNTIL CEILING PANELS ARE INSTALLED.

18. With the transom in place, begin installing the hinge to the glass section to prepare for door installation
19. Use the Allen Wrenches to secure both sides of the metal hinge to the glass panel.
20. The two sides of the metal hinge will sandwich the glass between two rubber gaskets. Apply to both top and bottom of glass panel.
21. After the hinges have been installed on the glass section, have another person hold the glass door in place (Image R), and begin the installation of the hinges to the door. Follow the same process as used for the glass panel section (Image S). The Allen Wrenches will be used again.

12.A



12.B



12.C



Image 12

Door Handle Installation

22. A pair of door handles is provided with each door.
23. Using the screws provided, install the door handles by screwing from the inside of the sauna through the pre-drilled holes in the handles and the door. Make sure the handles are aligned (Image T). After the handles are fastened, install the provided wood plugs to fill the holes.

Ceiling Panel Installation

24. Using two people, carry the first roof panel over the sauna. One person inside the sauna room and another outside, feed the back ceiling panels over the top of the walls being careful not to scratch the panels. When in position, it will rest on the top plate.
25. The front ceiling panel is constructed to rest on the top plate of the wood walls and to cap the glass wall panels with the glass panels fitting inside the channels to stabilize and to set the glass. (Image 13)

NOTE: Make sure the top of the sauna walls is square with the ceiling panel.



Image 13

Bench Installation

In most cases the bench supports are pre-installed. If not, the interior walls have been marked at the heights you should attach the bench supports. Standard top bench support is 30" and lower bench support is 12". These are the heights off the floor to the top edge of the bench supports, not the top of the benches.

If not pre-installed follow these steps:

- a) Locate the bench supports. Install starting with the top bench support first.
- b) Position the bench supports against back walls. Making sure they are level, use 3" screws and pre-drilled holes to secure the bench supports to the walls. Be sure to install screws in all the pre-drilled holes. (Image 14)



Image 14

NOTE: One side of the bench is capped, while the others have exposed framing. Benches should be installed with the capped side facing forward

26. Place upper bench on upper bench supports. Tilt bench upwards for easier installation of the lower bench.
27. Next install the lower bench.
28. Secure upper bench with two 3" screws through the framework into the backwall and one 3" screw into right and left sidewalls.
29. Two 3/8" holes have been drilled through the frame of the upper L-bench. With the top of the benches aligned, use a 3/8" drill bit and drill through the 2 provided holes and through the face of the main upper bench. Bolt the two benches together using the 5-1/2" carriage bolts provided. (Image 15)

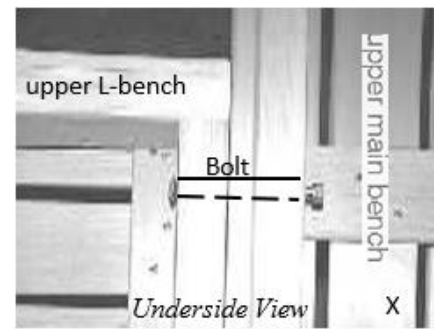


Image 15

Backrest Installation

30. Locate the backrest and remove the backrest mounting hardware from the backside of the backrest. The longest backrest will be installed on the back wall, the other will be on the left wall.
31. Then temporarily invert the backrest with the LED strip on the bottom and facing outward and connect the low-voltage power cable from the back wall to the LED lighting strip end. Connect the 12" LED jumper to the other end of the LED strips. This will be used to connect the left backrest.



Image 16

NOTE: cut 2 pieces of wood to 8 3/8" to use as a gauge block. Position them on the upper bench to make installation of the backrest easier. (Image 17)

32. Measure 20" from the top of the bench to the top of the backrest. Making sure backrest is level, fasten it to the wall through the predrilled holes, using 2" screws (provided).

NOTE: If using gauge block carefully remove. Wood plugs are provided to cover the exposed screw head.



Image 17

Temp Sensor Installation

33. Locate predrilled hole in the front ceiling panel. It will be in the front right corner. Feed the temp sensor cable through the hole with 3-4 inches of cable exposed. *(Image 18)*
34. Connect cable to the back of the sensor board.
35. Secure the sensor board to the ceiling.
36. Place the cover over the temperature sensor board.
37. Remaining sensor cable should be routed to the CB box. See heater installation manual for details



Image 18

Heater Guard Installation

38. Place the heater guard around the heater as described in your heater instructions. Spacing may vary according to heater kilowatt.



Image 19

Electrical / Heater Assembly

39. A licensed electrician should wire the heater. Defer to heater installation manual for directions.
 - *Rocks will be placed after testing the heater.
 - *See Himalaya manual for heater installation.

NOTE: One of the wall panels has a removable board to allow for wiring access to the heater (Image AA). This tongue and groove board located in the trim package. Do not install until after the wiring is completed. *(Image 20)*



Image 20

Once electrical is connected test SL2 control and lighting

- △ A qualified electrician should complete all electrical connections. Complete the following steps after electrical connection has been established.
40. Press the room light button to ensure backrest lights turn on.
41. Press the ON button and allow heater to run for 15 seconds, then turn off.
42. Put your hands close to the elements (DO NOT TOUCH) to feel if all three elements are heating, or have the electrician verify the correct Amp draw for your heater.



Image 21

- Confirm everything is working. After confirmation, do the final installation of the control and see Himalaya installation manual for complete heater instructions.

NOTE: At this point, prior to the completion of the room assembly, apply power to the heater and control panel to verify that the proper wiring connections have been made throughout the sauna assembly process.

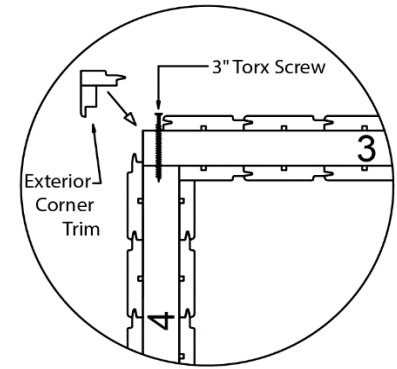


Image 22

Corner Cap / Final Corner Panel Installation / Finishing Trim

- Place the remaining back corner panel into position using the base groove as a guide and make flush the entire length of the corner panels before securing them together using the pre-drilled holes and 3" screws provided. Route the control panel cable through the hole in the remaining top plate. (Image 22)

- Locate exterior corner trim pieces and match the numbered corner trim piece to the corresponding numbered sauna frame corners. Position each corner trim piece into place and attach with 1-1/2" brad nails or finish nails. (Image 23)



Image 23

- Locate top trim (fascia trim) pieces. Start with the side and cut the two side pieces to length and attach with brad or finish nails.

- Cut the front top trim (fascia trim) piece so that it covers the front ends of both side trim pieces and attach with brad or finish nails. (Image 24)

- Cut to length the interior ceiling trim (cover molding) pieces, starting with the back wall and then the two side walls and secure them into place with brand or finish nails. Screw head buttons are included for backrest. A light hammer tap may be needed, and glue can help secure the buttons.

Note: Cove Molding (5/16" x 1") will be provided longer than needed to allow trimming to exact size to insure a tight fit.


- Vent Valve and Vent Grill are pre-Installed.



Image 24

AUDIO OPERATION

Audio Power On

- Press  icon to toggle On or Off the Bluetooth System.
Note: The control does not have to be active for Sound System to operate.

Pairing

- Refer to your mobile device to pair to the unit.
- The device name is Sauna360 Audio

Operation

- All operations are controlled by the mobile device
- Volume is controlled by the mobile device

WARNING: Apple will not warranty your Apple product if used at operating temperatures of 32°F or below and 95°F and above. The recommended operating temperature is 32°F to 95°F to fall into the warranty. Check with any other device manufacturers for operation temperatures before using the device in the Sauna.

Warning


Drilling, sawing, sanding or machining cedar wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.
Doc # 71-0147

SL2 (SAUNALOGIC 2) CONTROL OPERATION

Operating Instructions for Heater


Default settings for temperature are preset to 194°F, the bath time is set to 60 minutes and 0-minute delay to start to heat. These settings are adjustable (as described below) from 119°F to 194°F. Length of sauna can be set from 0 to 60 minutes. The time delay before start can be up to 24 hours. Any changes are remembered by the heater for your next bath. Should the heater power be lost then restored, the settings will return to their default values.


Starting Sauna Heater Immediately

Press the control POWER  icon to turn on the sauna control and heater. The room temperature will be displayed on the control. The heater will turn on and begin heating the room to current set points. Once the set temperature is reached inside the room, the control will turn the heater on and off again as needed to maintain the desired temperature. At the end of the selected time (60 minutes maximum), the control will turn itself off and the control display will turn off.





Setting the Time and Temperature

To set the sauna length time, press the  icon and then press the "+" or "-" icons to increase or decrease time for desired setting. The maximum of time is 60 minutes.



To set the temperature, press the  and next "+" or "-" icons to increase or decrease temperature for desired setting. The maximum temperature is 194°F (90°C).

Note: Typical sauna bathing set-point temperature is 150°F to 165°F on the control.

Pre-Set Delayed Start

Press the  icon and delay time will appear in the display and will toggle between "dlay" the amount of time remaining. The maximum of time is 24 hours. If no delay is desired, press  icon to toggle off the function.

Operating Instructions for Lighting

Press  icon to cycle through lighting options. Press and hold the  icon for 3 seconds to turn off the lights. Lights will turn off automatically 10 minutes after sauna cycle is completed.

Color sequence – White – Red – Green – Blue – Yellow – Aqua – Purple – Rotation of Colors – Off

Choose the color of choice. Set lighting brightness. The brightness will be on display for 3 seconds. Press the "+" or "-" icon to increase or decrease the light setting. Setting options are 25, 50, 75, and 100% light output.

COMMONLY ASKED QUESTIONS

CLEANING

Yes, cleaning is needed. Perspiration and dirt may absorb into the wood, so periodic cleaning is needed. Scrubbing the benches and floorboards with a stiff brush and mild detergent is normally sufficient. Light sanding with 220 grit is another option.



INTERIOR PAINT OR STAIN

You should never apply any paint or stain to the interior of your sauna! Off-gassing from these products could be harmful to your health when the room is heated.

The only approved product to use on the interior of your sauna is 100% Pure Paraffin Oil. Pure Paraffin Oil is odorless and will add an invisible layer of protection from moisture stains and can be applied to walls or bench tops. Paraffin oil can also be used on the exterior surfaces but will darken softer woods like cedar. See your sauna retail dealer for details.

PATCHING NAIL HOLES

Small nail holes from attaching your trim can be easily filled by using a quality brand of wood filler that matches the wood you are using followed by a light sanding with 220 grit sandpaper. Small holes or cracks can also be patched by filling with white glue then sanding with 220 grit sandpaper before the glue dries. The sanding dust will stick to the glue and fill the void, providing a nearly invisible patch.

TROUBLESHOOTING

Error Codes on SL2 Control

Sn = Means the sensor is not connected to the CB box. Check the connections between sensor and box

HL = Means the High Limit switch in sauna heater is not connected to the CB box. Check the connections between heater and box.

JP = Means a jumper CN 6 is missing from the Main PCA in CB box.

Pre-Heat = Means there is no sensor connected to the CB or the temperature is below 8°F.

*Prior to calling, please have the Model, Type Number, and Serial Number from room available.

If you have any questions during the installation of your sauna, contact your local dealer or our tech support team.

Toll Free: 1-888-780-4427
E-mail: us_techsupport@Sauna360.com

Date of Purchase: _____ Place of Purchase: _____

Record Serial Number Here

Enjoy Your Sauna!

Follow Finnleo (@finnleosauna) on social media. Tag Finnleo & include #MyFinnleo for a chance to be featured on our page.



www.finnleo.com • 575 East Cokato St., Cokato, MN 55321



Link to Finnleo Manuals