



# Royal Care Series

## Installation & Operations Manual



**WS-102**



**WS-105**



**WS-109**



**WS-115**

**Note:** You must read all installation & operation instructions prior to assembly and use of this unit.

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Thank you for selecting Steam Planet Corp Computerized Steam Rooms.

In order to operate and use the product properly, please follow all instructions provided in this User's Manual. Our company reserves the right to change the Manual at anytime. The manual takes effect the date it is published. This manual shall prevail if there is any difference between this and previous documents and manuals.

## NOTICE TO INSTALLERS (if applicable)

THE FLEXIBLE DRAIN HOSE THAT IS INCLUDED WITH THIS UNIT IS FOR INSTALLATION INTO AN OPEN FLOOR DRAIN ONLY. SUBSTITUTING THE EXISTING DRAIN SHOE FOR A DIFFERENT ONE WILL NOT VOID THE WARRANTY AS LONG AS THERE NO DAMAGE OR EVIDENCE OF MISUSE TO THE BASE.

IF A DIFFERENT DRAIN SYSTEM FOR THE SHOWER IS USED, THE STEAM GENERATOR MUST A HAVE DRAIN CONNECTION AVAILABLE TO DISCHARGE THE WATER INTO THE MAIN SHOWER DRAIN. A  $\frac{3}{8}$ "OD STUB MUST BE ADDED TO THE MAIN SHOWER DRAIN TO CONNECT THE STEAM GENERATOR DRAIN OUTLET.

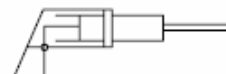
**Note:** Within the Warranty period, please don't take off the decals from the computer control boxes and the steam generator without manufacturer's permission. Have only licensed professionals install or perform any maintenance. Generally, our technicians can troubleshoot most problems over the phone. When calling for service questions, please provide your model number, serial number, Purchase Order, and type of problem you are having.

## TOOLS REQUIRED FOR INSTALLATION:

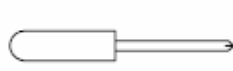
Level



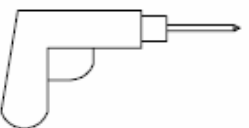
Screw driver #2 Phillips



Silicone



Wrench



Electric Drill

Square Ruler

Rubber mallet

## **PRODUCT FEATURES**

<b>DESCRIPTION</b>	<b>WS102</b>	<b>WS105</b>	<b>WS109</b>	<b>WS115</b>
3kW Quick heating -Self-Draining Steam Generator	✓	✓	✓	✓
Steam Aromatherapy Cup	✓	✓	✓	✓
Body Massage Jets	✓	✓	✓	✓
Hand-held Shower w/ Various water massage settings & adjustable height bracket	✓	✓	✓	✓
8 inch (203mm) wide water-drenching Rainfall Shower	✓	✓	✓	✓
Thermostatic / Anti-scald Faucet	✓	✓	✓	✓
Strengthened Black Back Tempered Glass walls	✓	✓	✓	✓
Clear Glass Front & Doors	✓	✓	✓	✓
Polished Aluminum Trim	✓	✓	✓	✓
"Glass Touch"/no seam Control Panel	✓	✓	✓	✓
Complete media center with FM Radio	✓	✓	✓	✓
Wireless transmitter for all devices	✓	✓	✓	✓
"Chromatherapy" LED multiple Color Lighting	✓	✓	✓	✓
Waterproof Oak Shower floor Grid	✓	✓	✓	✓
Accessory Rack	✓	✓	✓	✓
Circulation Fan	✓	✓	✓	✓
Corner Unit	✓	✓	✓	✓
Folding Seat	✓			
Removable Wood Stool		✓	✓	✓
Sliding doors	✓	✓		✓
Swinging Door			✓	

## **UNIT INFORMATION**

<b>Model</b>	<b><u>Electric Parameter</u></b>			<b><u>Size</u></b>		
	<b>Voltage</b>	<b>Power</b>	<b>Frequency</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>
WS102	220V	3KW	60-50Hz	1016mm/40 Inch	1016mm/40 Inch	2250mm/88.5 Inch
WS105	220V	3KW	60-50Hz	1200mm/48 Inch	1200mm/48 Inch	2250mm/88.5 Inch
WS109	220V	3KW	60-50Hz	1200mm/48 Inch	915mm/36 Inch	2250mm/88.5 Inch
WS115	220V	3KW	60-50Hz	915mm/36 Inch	915mm/36 Inch	2250mm/88.5 Inch

**Steam Ready:** 1-2 minutes, optimum room temperature reached within 2-5 MIN.

## **ELECTRICAL INFORMATION**

- 1 dedicated 12-2 wire with 20 amp GFCI breaker (220V)
- **Connect the overhead light, speaker, fan, CD, telephone according to the tags on the wires.**
- **Do not connect the wire "O3" to anything.**
- **Connect main power supply.**

**PLUMBING INFORMATION** The unit is equipped with 3 ft. hot and cold, metal braided water supply hose with ½-inch national pipe thread to connect from faucet/manifold (Manifold is located. 4 ft. high on rear of unit) to the shutoff valves (should be installed where they can be accessed). **Note:** base edge sets directly against back and sidewall. Do not install any pipes along walls as to impede the base from setting flush against them..

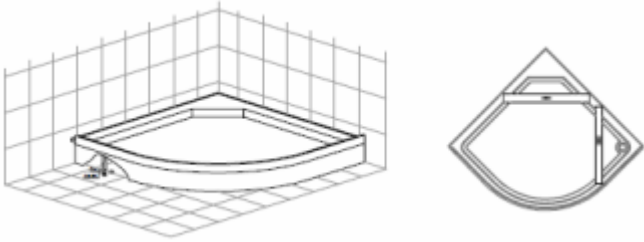
- Install hot and cold shutoffs with ½ -inch male national pipe thread (not included). Install shutoffs where they can be accessible.
- Access panel near controls, pumps, and jets is recommended
- **Drainage:** It is advised to have base onsite before preparing drain location. The diameter of the drain hole should be larger or equal to Ø40mm (1.6 inches).
- **Note:** The flexible drain hose included with this unit is for installation into a floor drain only. Substituting the existing drain setup for a setup of the installers' choice will not void the warranty of the unit as long as there is no evidence of misuse or damage to the base. If the substitute drain system is used, a 3/8 in stub must be added to the main shower drain line to connect the steam generator's automatic flushing drainage hose.
- **All fixtures and fittings must be checked for tightness as they may have been loosened during transport**

## **GENERAL INFORMATION**

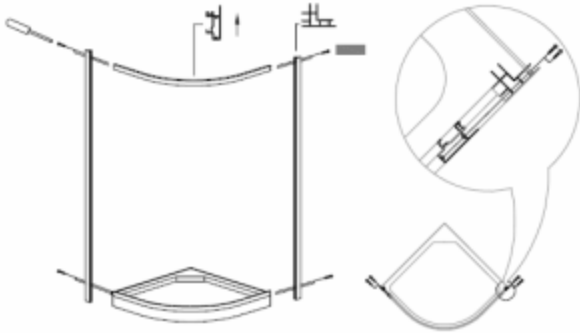
- **Connect hot and cold supplies and all electrical just before unit is set into place.**
- Units come broken down in panels and are assembled with screws, nuts and bolts on site.  
**Note:** All shower bases need to be leveled in its final resting position (all feet must be touching the ground), mark the placement, then pull base out and begin assembly.
- It is advised to have base onsite before preparing drain location.
- Access panel near controls panel and jets recommended.
- ***Manufacturer reserves the right to change specs or features at anytime. Please check to confirm details. 1-866-783-2661***

## INSTALLATION INSTRUCTIONS FOR WS102 & WS105

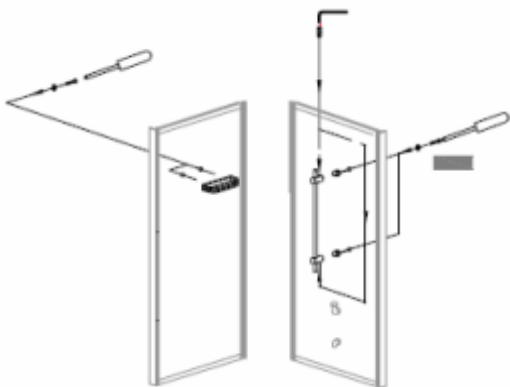
1. Level the tray with the level.
2. Make sure all the adjustable feet are touching the ground and supporting the base.



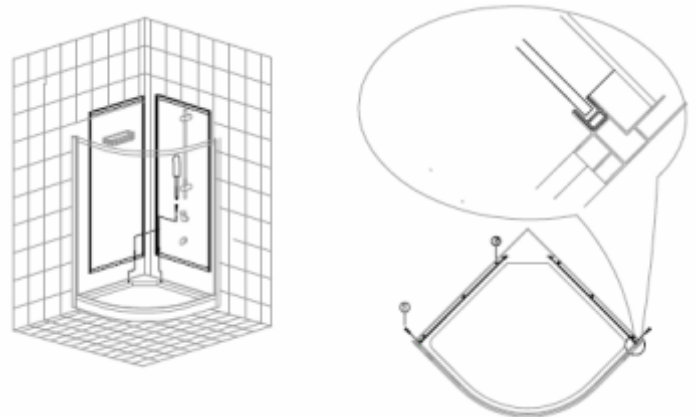
3. Connect the drain if building the unit in its final resting place. *Note:* This unit can be built from the inside.
4. Assemble curved, horizontal rail to left and right vertical rails using ST4X40 screws.
5. Attach the door frame to the base using ST4X40 screws.



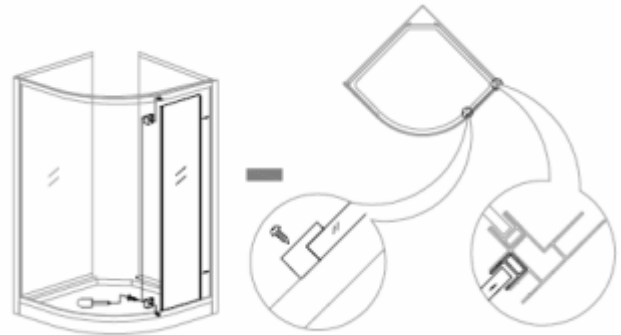
6. Use ST4X20 screws and covers to attach the vertical rails to the base skirt.
7. Attach the chrome trim to the base.
8. Install the shower bar on the right side back panel using hardware enclosed in cloth bag. Install shampoo holder onto the left black back panel using M4X25 caps, nuts, bolts, and O-rings



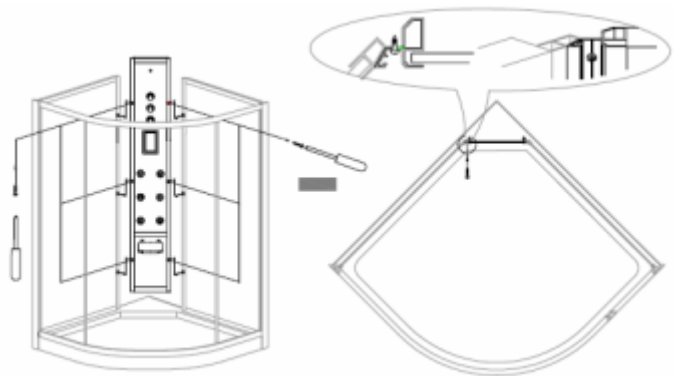
9. Inspect and tighten the body jets and hoses if necessary
10. Install the left and right side black back walls.



11. Install the left and right clear fixed panels.

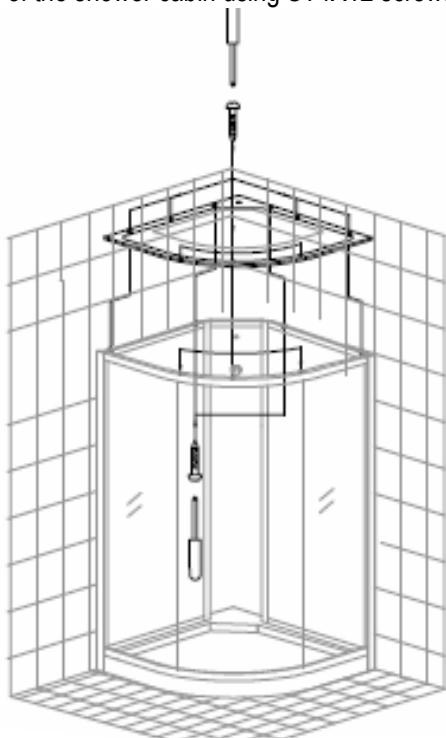


12. Bring main center panel inside the unit.
13. Connect water supply lines to the water manifold. Connect side panel water jets to the manifold, then connect the power supply.
14. Attach center panel to right and left side panels with ST4X16 screws.

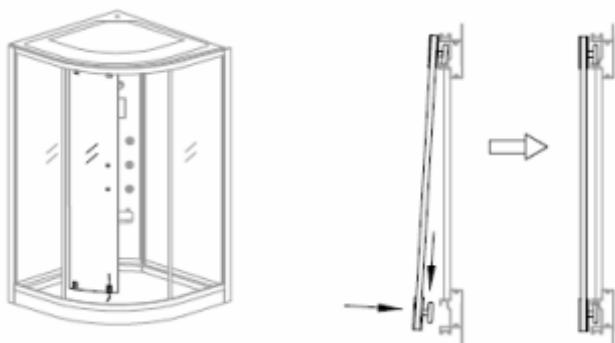


## INSTALLATION INSTRUCTIONS FOR WS102 & WS105

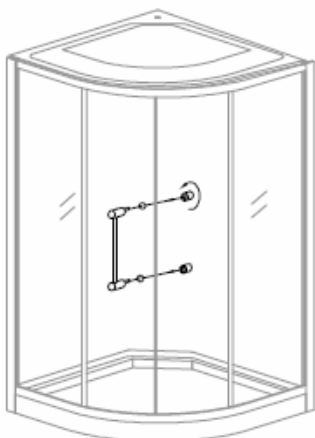
15. Connect fan, light, and radio wires to the roof. Install the roof of the shower cabin using ST4X12 screws



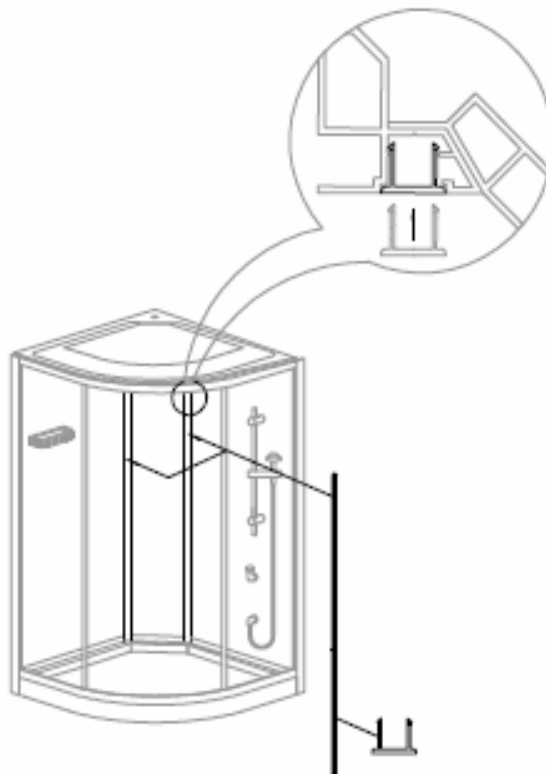
16. Install the sliding doors. Spring loaded rollers go on the bottom.



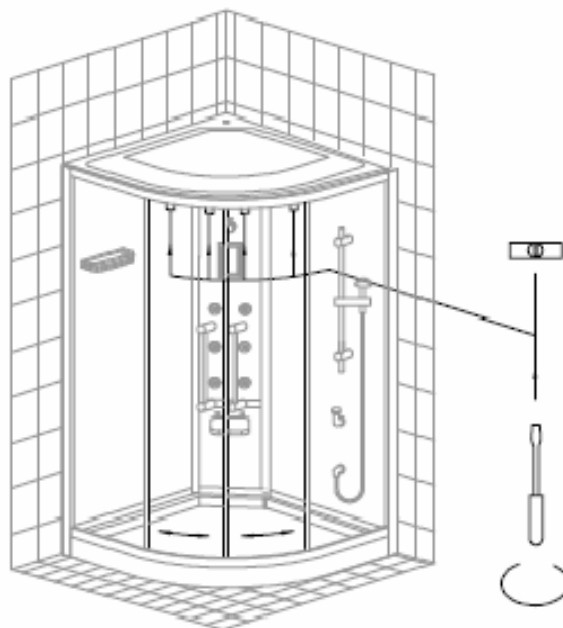
17. Install the door handles.



18. Reinstall the aluminum strips near the back panel.



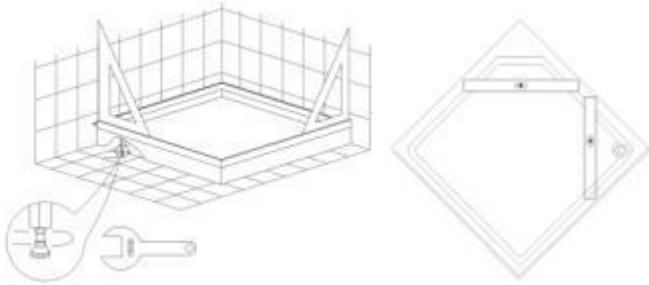
19. Adjust the sliding doors so that they close tightly.  
20. Attach the door gaskets.



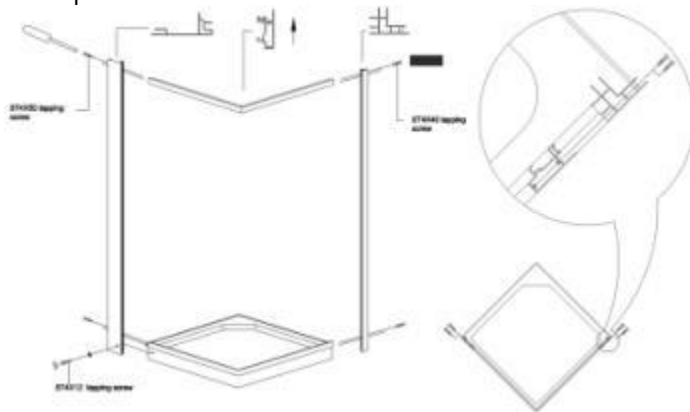
21. Lastly, place the wooden floor grids on the shower tray and place stools (WS-105 only) on the inside of the unit.  
22. Install the shower wand and flexible hose and place inside sliding shower rail.

## INSTALLATION INSTRUCTIONS FOR WS109 & WS115

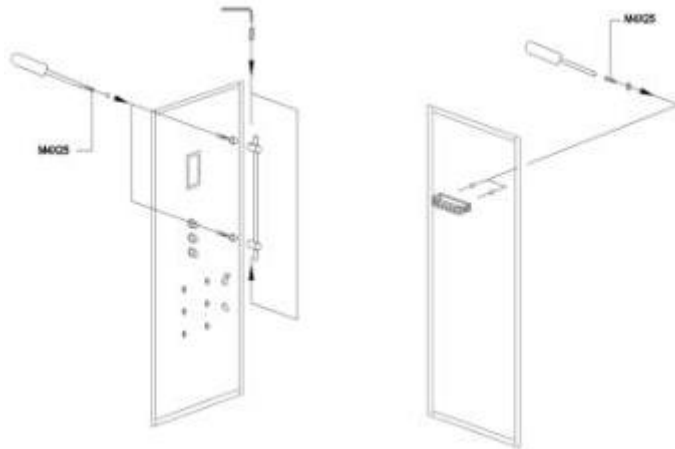
1. Adjust the legs of the base. Make sure the base is level and all the feet are supporting the unit. Slide base out from wall to begin assembly of the unit.



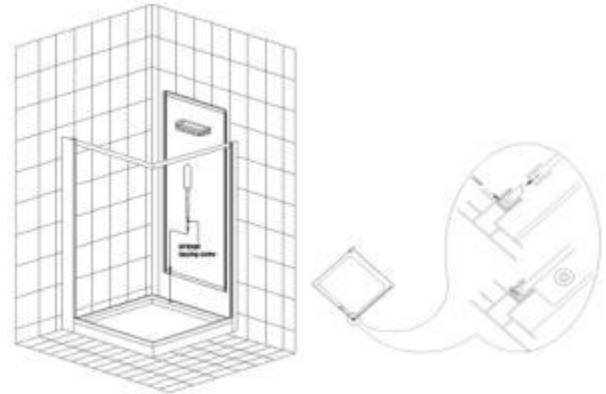
2. Connect the top horizontal rail to the two vertical side pieces using the ST4X50 self-tapping screws on the left side and the ST4X40 on the right side.
3. Attach assembly to base using the same screws on their respective sides.
4. Attach ST4X12 self-tapping screw to base with decorative cap.



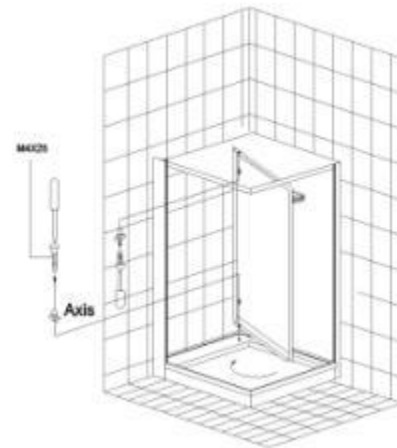
5. Attach handheld shower bracket to main panel using nuts, bolts, and cap included in pack that the handheld shower bracket comes in.



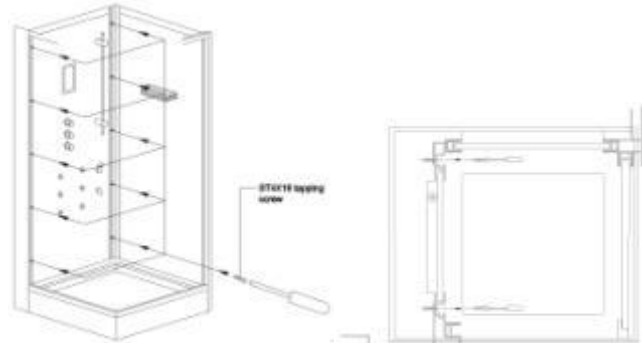
6. Place large back panel (with soap tray) onto base and secure with ST5X25 screws.



7. Install main panel (with manifold and touchpad) on axis pins.
8. Pull out aluminum trim covers to expose assembly holes.



9. Attach water supply and power (220v) supply to main back panel. Make sure all connections are tight.
10. Connect back panel to frame using ST4X16 self-tapping screws.



Attach so

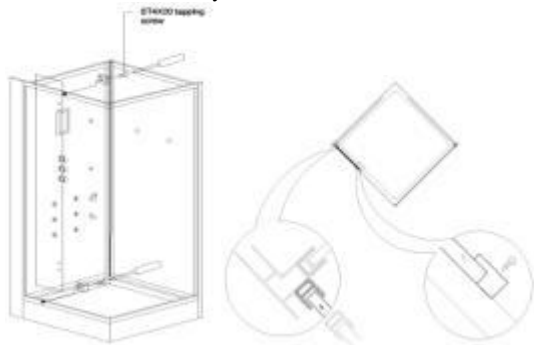


## INSTALLATION INSTRUCTIONS FOR WS109 & WS115

11. Install top on unit using ST4X12 self-tapping screws.



12. **(WS109 ONLY)** Install clear fixed glass panel with holes for hinges to left side of unit using the ST4X20 self-tapping screws that are already attached to the frame.

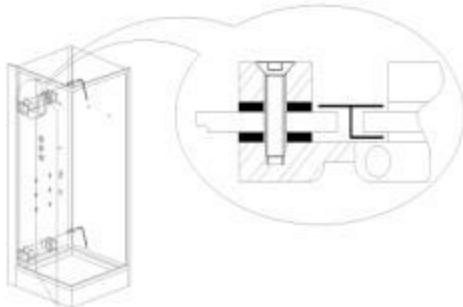


13. **(WS109 ONLY)** Attach large clear glass panel to the side using the ST4X20 self-tapping screws.

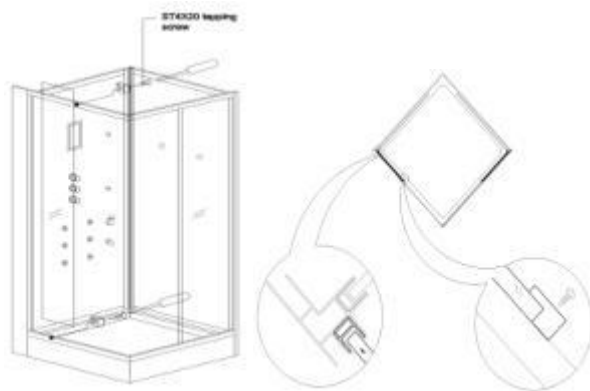


14. **(WS109 ONLY)** Install hinges and door to the panel that was installed. (see image in #13)

15. **(WS109 ONLY)** Install door gaskets and door handle.

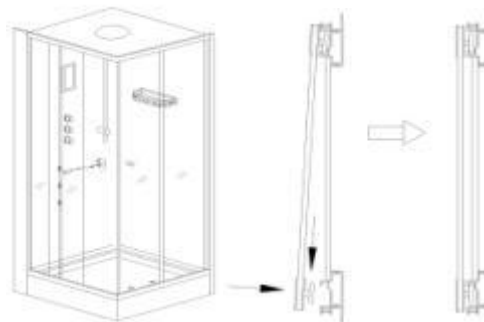


16. **(WS115 ONLY)** Install clear fixed glass panel to left side of unit using the ST4X20 self-tapping screws that are already attached to the frame.



17. Attach the right side using the same process.

18. **(WS115 ONLY)** Install the sliding door. First, put the upper wheels of the sliding door into the upper track. Push down the lower wheels and get them into the lower track.

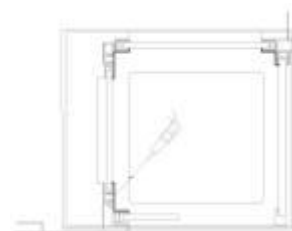


19. **\*\*Test all electrical and water on unit before final installation and sealing.**

20. Reinstall the aluminum trim pieces.



21. Seal main panel with 100% silicone as shown below. Do not use for 24 hours.



## **CLEANING AND MAINTENANCE FOR ALL UNITS**

1. Liquid detergents and soft cloth should be used. Do not use any abrasive cleaners.
2. The scale on the surface can be cleaned with a soft cloth and non abrasive cleaner or heated vinegar.
3. After every 30 times of using the unit, we suggest you to clean the steam generator.

We advise the use a filtration system for the steam generator unit.

One Compatible filtration system option is the **-Whirlpool WHKF-DWHV**

## **STEAM GENERATOR CLEANING FOR ALL UNITS**

Remove the cover of the cleaning liquid inlet and pour in approximately 1L of citric acid or white vinegar. Start the steam function to fill the steam generator with water. *Stop the steam function before the steam starts to come out* ("acidic" steam is damaging to plated fixtures). Do not shut off the main power. The scale in the steam generator dissolves and the system drains the dirty water out after 60 minutes.

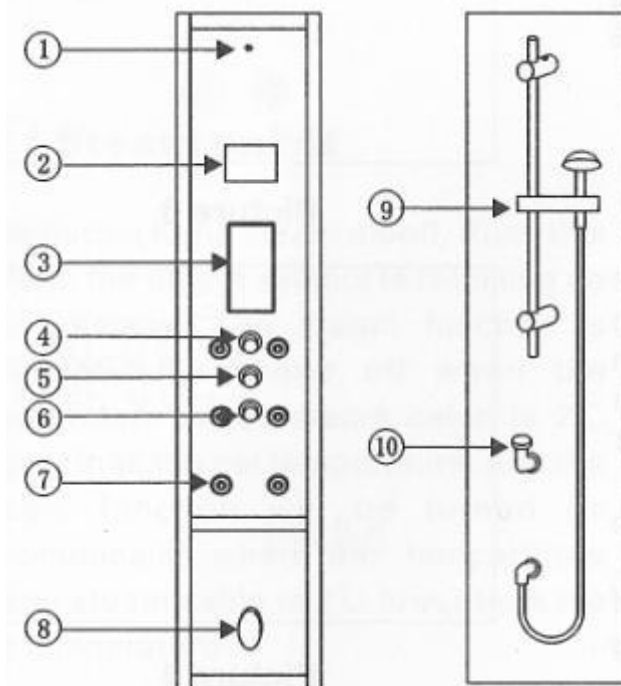


## **GENERAL USE AND MAINTENANCE FOR ALL UNITS**

- A. Drops of water will continue to drain out from the jets and water outlets after use, this is normal and it will eventually stop.
- B. Abrasive cleaners must not be used.
- C. Always shut off the power supply when the system is not in use.

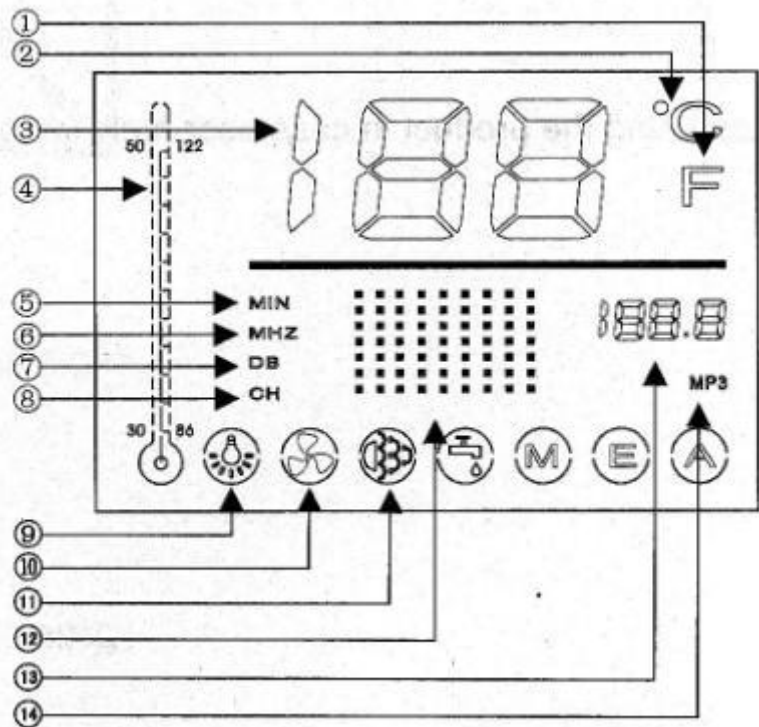
## **CONTROL PARTS INFORMATION FOR STEAM SHOWER FOR ALL UNITS**

1. Steam Temperature Sensor
2. LCD Display
3. Control Panel
4. Water Diverter
5. Water Flow Adjustment (On/Off)
6. Water Temperature Adjustment
7. Body Jets
8. Steam Outlet
9. Handheld Shower Set
10. Steam Generator Cleaning Liquid Inlet



## LCD DISPLAY:

1. Fahrenheit Degree (if applicable)
2. Celsius Degree
3. Temperature
4. Temperature Indicator
5. Time Setting
6. FM Radio Frequency
7. FM Radio Volume
8. FM Radio Channel
9. Chromatherapy on/off
10. Circulation Fan on/off
11. Steam on/off
12. Power on Indicator
13. FM Radio Frequency
14. Mp3 on/off



## CONTROL PANEL FOR STEAM SHOWER:



- Power on/off
- Steam tempeprature setting
- Steam time setting
- Circulation Fan
- Chromatherapy
- Steam on/off
- Music on/off
- Radio
- Volume/Frequency
- Radio memory
- + adjustment
- adjustment

## **CONTROL PROCEDURES**



### **Power on/off**

Push any button to light the display, and press the power on/off switch to start the system. Push the power on/off switch again to turn off the system and display.



### **Steam Temperature Setting**

Touch the Steam Temperature Setting button and the display will appear on the screen. The temperature ranges from 20°C to 59°C circularly. Let go of the button when the desired temperature has been reached, and the figure is set as a steam setting. The steam generator stops working when the temperature inside is 4°C higher than setting temperature. The steam generator has 4°C variance between accrual set temperature and real temperature. The default steam setting is 45°C if the user does not choose any setting.



### **Steam Time Setting**

Touch the Steam Time Setting button and the display. The range is 20-59 minutes. Let go of the button when the figure reaches the desired time and is set as the working time for the system. The system is automatically shuts off when the set time expires or 45 minutes is up (default system time).



### **Chromatherapy**

This button controls the color of the Chromatherapy LED lights (picture 5). When the Chromatherapy function starts, the lamp symbol on the LCD display flashes.



### **Circulation Fan**

This button turns fan on/off. When fan is turned on, the fan symbol on the LCD display Flashes.



### **Steam on/off**

This button turns the steam on/off. Touching this button makes the steam symbol on the LCD display flash. The temperature sensor regulates steam output based on the preset steam temperature. The steam generator has 4°C variance between accrual set temperature and real temperature.



### **Music on/off**

This button turns music on/off.



### **FM Radio on/off**

Touch this button, and the radio station will show on the display. The FM radio is now on. The radio frequency by default is the same as the radio frequency selected last time.

*Note:* if the MP3 shows on the display the radio will not play. Touch the FM radio button again.



### **Volume & Frequency Adjust**

- Volume








Touch this button when the FM radio is on. Push   to adjust the volume. Display will show DB.

- Frequency

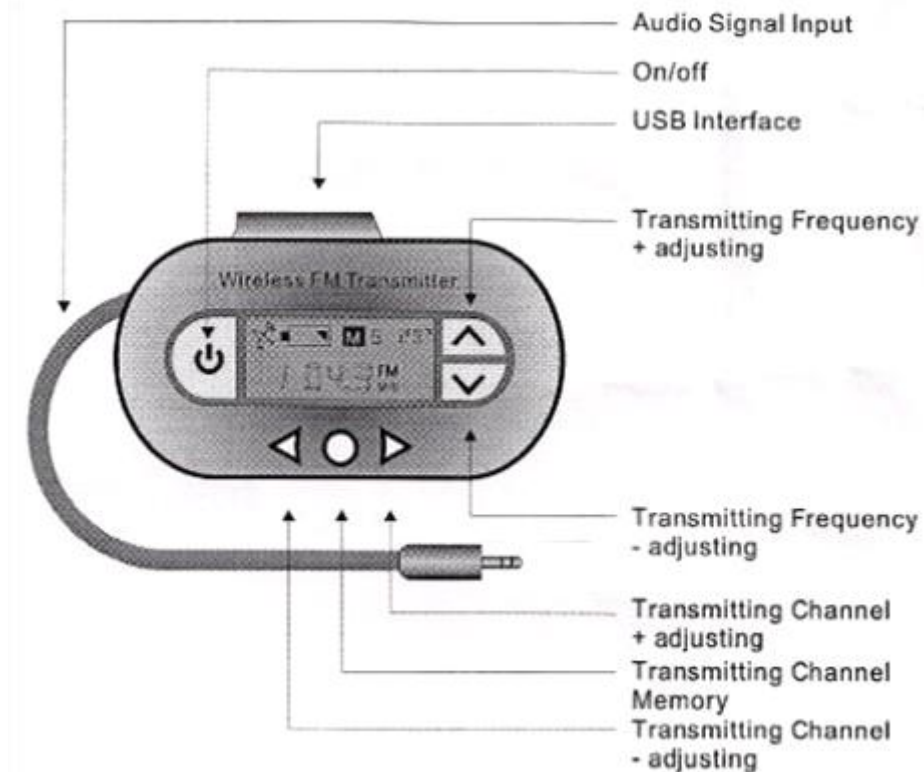
Touch this button when the FM radio is on. Push the [   again to adjust the frequency. Display will show MHZ.



## Channel Memory

- Channel Memory Setting:
  - Start FM Radio
  - Set serial number touch  button and touch  button again, fissure from 1 to 8 shows circularly; stop touching this button when the wanted fissure shows.
  - Adjust FM Radio to your favorite channel; touch  button to adjust frequency and volume.
  - Channel Memory: Touch  button for more than 3 seconds; the figure shows +1 and turns to original setting station number. Release button to finish setting for one channel. If the station number is used for another channel, this channel will be replaced by the new channel in memory.
  - Repeat the above steps to save channels in memory. Maximum 8 channels can be memorized.
- Find Channel:
  - Start FM Radio. Touch  button to find right channel in memory.
    -  + adjust
    -  - adjust
  - The above 2 buttons are used to adjust frequency and volume.

## WIRELESS FM TRANSMITTER



On/Off: Push and hold this button for power on/off. Push and release this button shortly to change between transmitting and clock. Audio signal input: to be connected to audio signal output interface of Mp3 player.



Transmitting frequency +/- adjusting: push this button to increase/decrease for transmitting frequency for FM. The adjusting range is 88-108.8MHz.



Transmitting channel memory: push and hold this button to memorize this channel after the transmitting frequency is selected



Transmitting channel +/- adjusting: push this button to select the transmitting channel from memory up or down.

### **Note:**

1. Make sure not to select transmitting frequency which is the same as the existing FM radio frequency because it will not transmit.
2. The wireless FM transmitter should be placed far away from any other wireless transmitting device

## **TROUBLESHOOTING FOR STEAM CABIN**

<b>ISSUE</b>	<b>CAUSE</b>	<b>SOLUTION</b>
Touch panel does not work	1. Not connected properly	Check connection between control panel and power box
	2. Wrong voltage	Change to 220V supply
No steam	1. Desired steam room temperature is lower than current temperature	Increase the desired temperature to be higher than current temperature
	2. The water inlet valve not letting water in	Check water inlet valve for blockage and 12V power supply to valve
	3. The water level sensor is not working (water coming out steam outlet)	Clean scale of the water level sensor or replace it
	4. Thermal switch in the heater is not working (no steam from generator)	Change thermal switch installed inside the heater
	5. The heater is not working	Change the heater
	6. The water supply is shut off	Open water valve
Steam generator keeps adding water	1. The water inlet electromagnetic valve is not shutting off	Replace water inlet valve
	2. Water level sensor cannot detect signal	Clean scale of water level sensor or replace it
Power supply is off when on/off button is pushed	1. There is short circuit from heater	Replace heater
	2. There is short from thermal switch inside heater	Replace thermal switch
Water leaks from valve	The seal is damaged	Change the seal
Water flow volume is low	Water supply has clogged filter.	Clean Filter

For additional help, call Steam Planet Corp at 1-866-STEAM-61.





