

Casual Sanitary Ceramic Wares



Steaming Shower Module

MANUAL

Casual Sanitary Ceramic Wares

Thank you for choosing GAT GL-100 series of computerized steaming shower module, please read carefully the follow instructions:

1. Please read carefully this consumer manual before installation and using, to ensure that you can use this product safely, accurately and efficiently. Please keep this consumer manual well for your checking and reading.

2. The electrical installation must be made by qualified electrician or careerman assigned by the dealer. The local electric parameters must be accord with the electric parameters of this product.

3. User must not modify any water or electrical parts, must not add or reduce the function of this product themselves without manufacturer's permission. This would ensure the safe using and high performance of this product.

4. Keep the acryl surface from cracking by sharp edge. Keep organic solvent contains ketone, aldehyde away from the acryl surface to avoid eroding.

Contents

GAT Steaming Bathroom Feature and Parameters	1
Installation and operation.....	2
Installation	2
Operation steaming bathroom and shower panel	12
Operation of hydro massage.....	18
Operation of whirlpool massage	18
Precautions	18
Troubleshooting.....	19

Manual

GAT Steaming Bathroom Feature and Parameters

One.Model,specification and function of steaming shower module

Model	Rough-in	Standard Configuration										Optional Configuration															
		Compartments	Bathhub	Medium Tub	Basin	Luxury Top Lamp	Exhaust Fan	Luxury Fixed Shower Head	Portable Shower Head	Luxury Ledge	Sound Pumping	Foot Massage Device	Spa	Speaker	LCD	Remote Control	Disinfection	Temperature Setting	Time Setting	Thermal Panel	Telephone Receiver	Alarm System	FM Radio	Audio Input	Steaming Bath	Whirlpool	Background Light
GL-101	132×132×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-102	168×83×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-105	100×100×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-106	120×80×210	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-108	92×92×210	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-109	103×83×210	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-110	95×95×210	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-112	120×120×210	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-113	130×90×210	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-115	93×93×210	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-116	120×120×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-118	152×152×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-104	150×85×218	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-107	99×99×220	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-111	120×90×218	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-398	98×98×210	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-3100	100×100×220	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-3120	120×120×225	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-3135	135×135×225	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-112	120×120×218	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GL-103	156×86×210	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
All information in these instructions is based on the latest product information available at the time of publication. Gat Co. reserves the right to make changes in product characteristics, packing, or availability at any time without notice.																											

Two.Water and electric technical parameters of computerize steaming shower module

Power Supply Parameters					Water Supply Parameters			Diameter of the Pipe Joint	
Power Supply Voltage	Frequency	Voltage of the Control	Power		Water Supply Pressure	Operative Water Pressure	Capacity of Over flow	Cool&Hot Water Supply	Drainage
AC220V	50HZ /60HZ	DC12V	Steam generator	Massaging water pump	$\geq 0.2\text{MPa}$	0.2-0.4MPa	3-10L/min	$\phi 15$	$\phi 40$
			2.6kw /3.0kw	0.75KW /1.1KW					

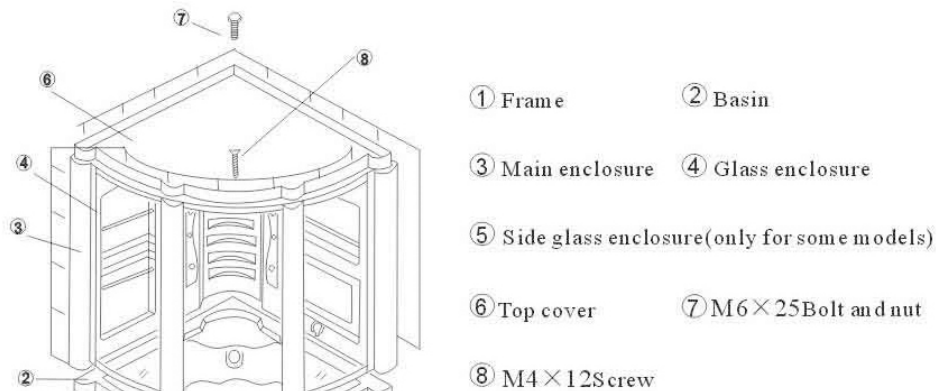
Casual Sanitary Ceramic Wares

Installation and Operation

I .Installation

1.First era of computerized steaming bathroom series(GL-101 ,GL-102 ,GL-105 ,GL-106 ,GL-108 ,GL-109 ,GL-110 ,GL-113 ,GL-115 ,GL-116 ,GL-118)

1.1 Feature



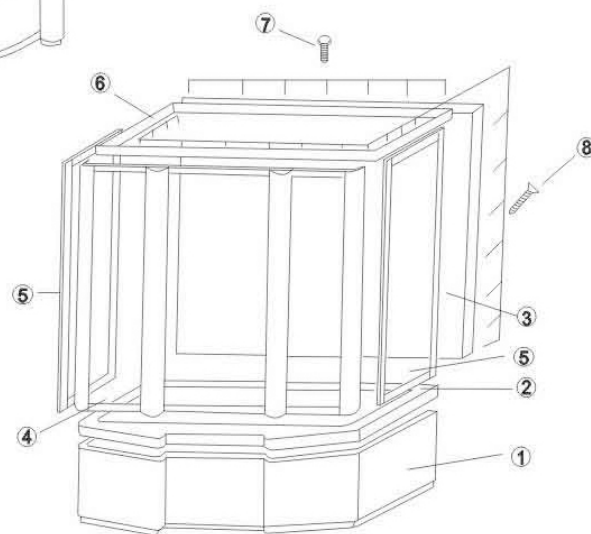
Diagram#1

Some products of GL-100 series compose of over 2 pieces of glass enclosures(Including one main and one to two side ones), they were separate packed by the manufacturer before ship to the user.

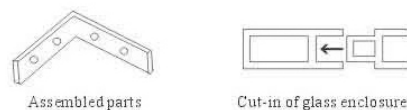
All the seperated enclosures got a cut-in alloy aluminium rims.

When installing the enclosures, cutting the protrude edge of the side enclosure in the flute of co-lumn at the main enclosure and using the assembled parts to fasten them together. Please see

Fig#3.



Diagram#2



Fig#3

1.2 Installation Procedure

1.2.1 Basin installation

- Place the basin on a prepared, level position. Make the drainage pipe of the basin to a prepared closely waterspout.
- You can make a extended pipe if the installation position is too far away from the waterspout, carefully caulk the joint against leaks.

1.2.2 Shower wall installation

- Clean-up the surface of the basin then apply bead of silicone sealant on the joint of basin and shower wall.
- Move the shower wall onto the basin and tighten M6×25 bolt and nut.

1.2.3 Enclosure installation

- Assemble the glass enclosure, see Fig#3.
- Clean-up the enclosure and remove it onto the basin, pull the decorative bar on the sliding track of enclosure, set M4×40 screw into the combined hole on the sliding track and edge of basin, tighten the joint of the enclosure and basin, then push the decorative bar back to the previous position.
- Tighten the shower wall onto the columns of the enclosure with M4×12 screw.
- Installing the shower door. (If the shower door and the enclosure are not separate packed, skip this installation)
 - Placing the idler wheel of the door into the sliding track of the top and bottom enclosure, then move the door onto the bearing of the idler wheel.
- Make the 2-panel door closed firmly and plumb by adjusting the bearing, then fasten them with screws and put a decorative cover on the screws.

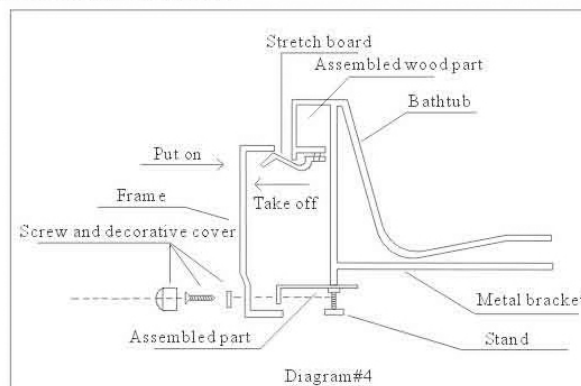
1.2.4 Top cover installation

- Make sure the lamp cord and shower head are properly connected before placing the top cover to the installing position.
- Tighten the top cover onto the shower wall with M6×25 bolts and nuts, then tighten the top cover onto the upper sliding track of the enclosure with M4×12 screws.

Attached: Reinstallment of the frame (Diagram#4)

- The frame need not to reinstall since it is assembled by manufacturer before ship to user. If you need to reinstall it, please follow the below instruction.

- Take off the decorative cover on the screw and screw from the assembled part on the metal bracket.
- Take off the screw from the frame and assembled wood part.
- Push the frame from the edge towards the center by one hand, pull the frame onwards by the other hand, you can take off the frame from the stretch board.



- Reinstall the frame according to the above procedures in an inverse turn.

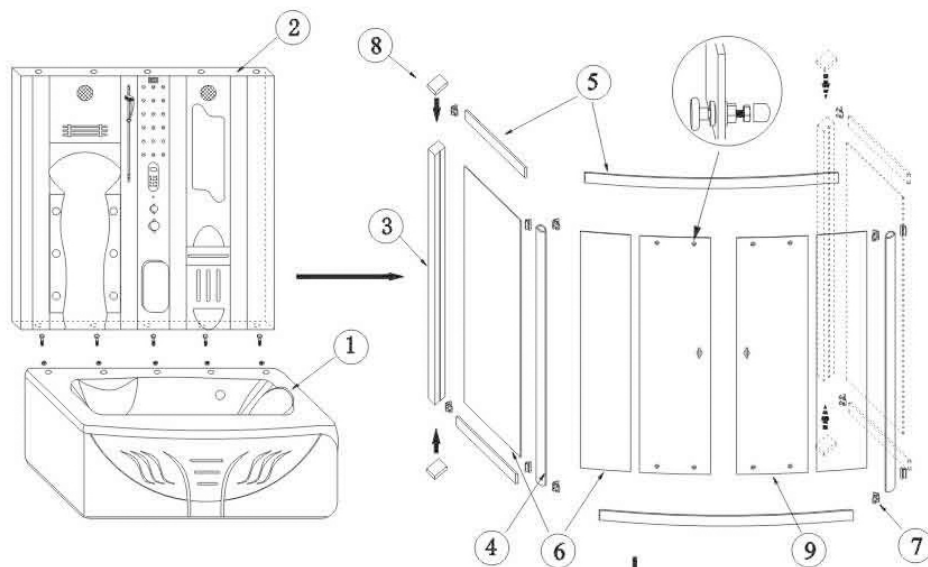
Casual Sanitary Ceramic Wares

2.Second era of computerized steaming bathroom series

(GL-104, GL-107, GL-111)

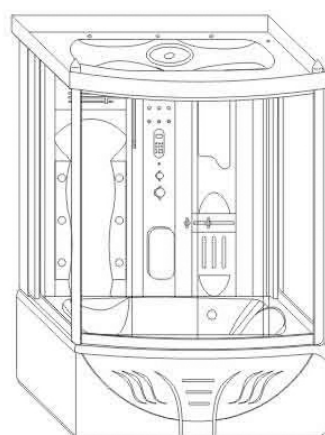
2.1 Components

- | | | |
|---|-------------------|--------------------------------|
| (1)tray | (2)main enclosure | (3)aluminium alloy side column |
| (4)corner column | (5)track | (6)fixed glass |
| (8)aluminium alloy side column plastic gasket | (7)connector | (9)mobile glass door |
| (10)top cover | (11)M6×25 bolt | (12)M4×12 grub screw |

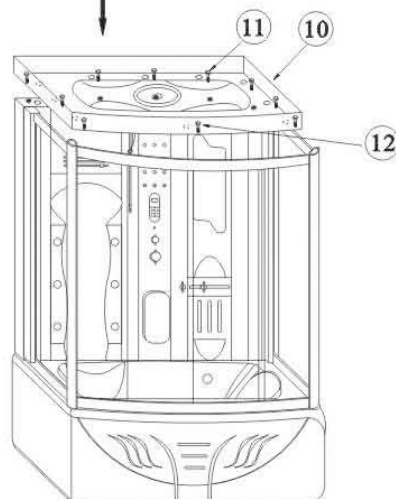


Diagram#a

Diagram#b



Diagram#d



Diagram#c

Installation diagram

2.2 Tools

- (1) “+” shape screwdriver, “-” shape screwdriver ;
- (2) 8-10、12-14 open wrench , adjustable wrench.

2.3 Installation steps

2.3.1 Tray installation (diagram#a)

- Place the tray on a prepared indoor location, adjust base stand to level upper tray surface .
- Insert tray drainage hose into prepared waterspout: keep inlet depth less than 10cm(you can lengthen hose accordingly with same diametrical hose if waterspout faraway from installation location, please carefully check kerf with plastic sealed against any leakage.)

2.3.2 Main enclosure installation (diagram#a)

- Cleanup upper tray surface , apply proper sealant on pontes between main enclosure and tray .
- Place main enclosure onto tray and fasten them with $M6 \times 25$ bolts drilling through counterpoint holes, and tighten bolts.

2.3.3 Glass enclosures installation(diagram#b)

- Fasten connector in the correct direction to joint ends below and upper of side column and corner columns left and right with $M4 \times 12$ grub screws;
- Joint corner column (connector attached) to track , tighten two parts by $M4 \times 12$ grub screws.
- Insert side fixed glass left and right into corner column glass flute on track's way, level side column (plastic connector attached) with track to set glass fully into side column flute, tighten glass and 2-holed glass clip with plastic screw, then fasten side column to track by connector with $M4 \times 12$ grub screws ;
- Insert front fixed glass left and right into corner column flute on track's way, fasten glass by single holed glass clip and tighten it by plastic screw drilling through glass clip;
- Mount door idlers onto mobile glass door prepared 2-holes location, cover idlers with plastic acentric-screw-sets and tighten it with nuts, attach this part into upper track U shape flute , and set underlay idlers into below track U shape flute, level mobile glass door counterpoint holes, assemble idlers with nuts and adjust the acentric-screw-sets to make commissure of each door evenly and vertical to tray surface, put decorative cover onto screw caps.
- Cleanup assembled glass enclosures, mount aluminium alloy plastic holders on pontes below and upper between aluminium alloy corner and side column, put glass enclosure onto tray and adjust side column screw holes location, fasten main enclosure to side column at mutual interface with $M4 \times 16$ grub screws ;
- Insert plastic bar into the joint between fixed glass and aluminium alloy column, button electromagnetic bar onto commissure of each mobile glass door, button waterproof plastic bar onto fixed glass;

2.3.4 Top cover installation (diagram#c)

- Place top cover on installation location , level counterpoint holes with curving wreath, tighten two parts with $M4 \times 12$ grub screws; level top cover counterpoint holes with main enclosure and fasten with $M6 \times 25$ screws; assemble door handle and corner column top summits .
- Connect the wire of top lamp and joint of top shower and ensure all safe and reliable.

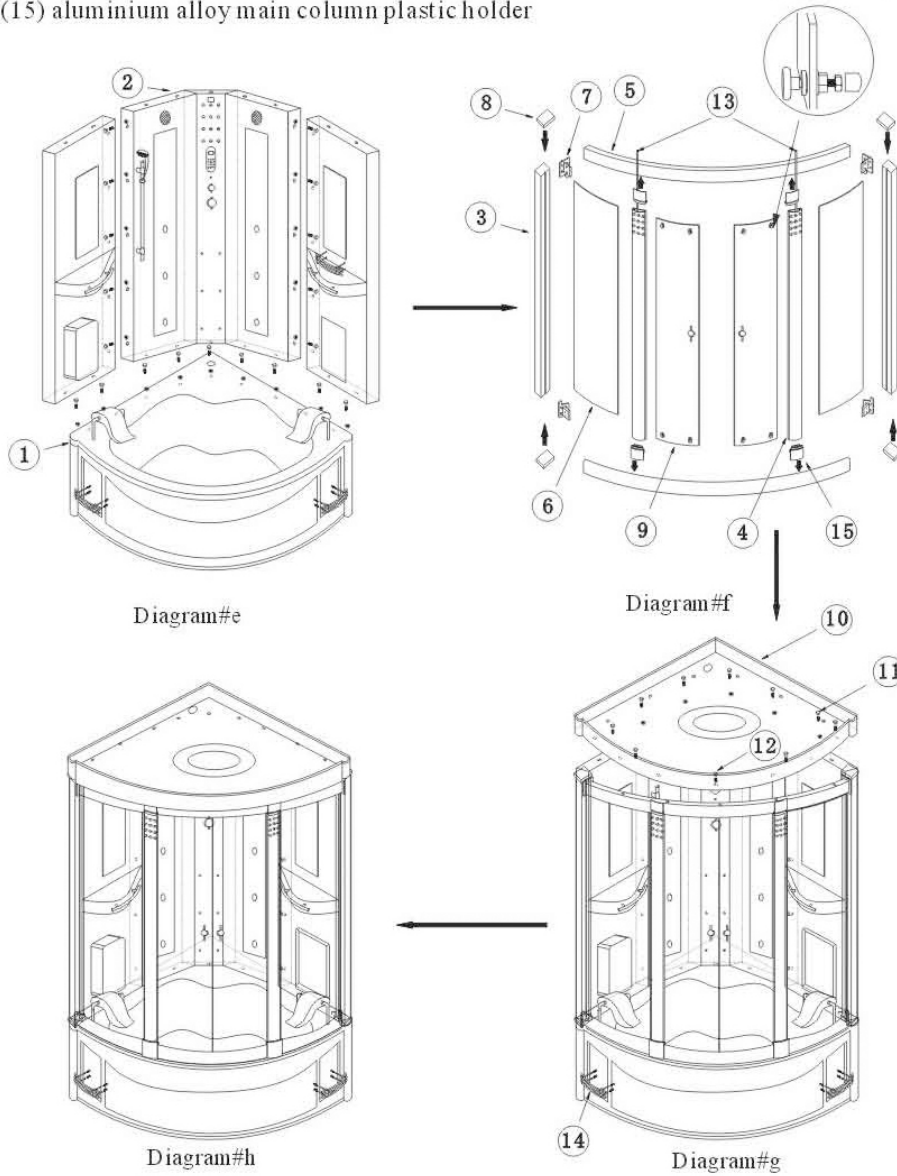
Casual Sanitary Ceramic Wares

3. Third era of computerized steaming bathroom series

(GL-103, GL-112, GL-398, GL-3100, GL-3120, GL-3135)

3.1 Components

- | | | |
|---|------------------------|---------------------------------|
| (1) tray | (2) main enclosure | (3) aluminium alloy side column |
| (4) aluminium alloy main column | (5) track | (6) fixed glass |
| (8) aluminium alloy side column plastic gasket | (7) connector | (9) mobile glass door |
| (10) top cover | (11) M6 × 25 bolt | (12) M4 × 12 grub screw |
| (13) main column lamp connect wiring | (14) apron goods shelf | |
| (15) aluminium alloy main column plastic holder | | |



Installation diagram

3.2 Tools

- (1) "+" shape screwdriver, "-" shape screwdriver ;
- (2) 8-10、12-14 open wrench , adjustable wrench.

3.3 Installation steps

3.3.1 Tray installation (diagram#e)

- Take the tray out of carton , assemble aprons, goods shelf and pillow(s), place the tray on a prepared indoor location, adjust base stand to level upper tray surface ;
- Insert tray drainage hose into prepared waterspout: keep the inlet depth less than 10cm(you can lengthen hose accordingly with same diametrical hose if waterspout is faraway from installation point, please carefully check kerf plastic sealed against any leakage).

3.3.2 Main enclosure installation (diagram#e)

- Fasten main back enclosure to side enclosures with $M6 \times 25$ bolts drilling through counterpoint holes, then tighten bolts(ensure to level ends below and upper);
- Cleanup the upper tray surface , apply proper sealant to pontes of back enclosures and tray;
- Put back enclosures onto tray, lockup back enclosures onto tray with $M6 \times 25$ bolts drilling through counterpoints , then tighten bolts.

3.3.3 Glass enclosures installation(diagram#f)

- Glass enclosures main parts : below and upper track, side column, aluminium alloy main column(with lamp), plastic connecter, main column plastic holder, side column plastic gasket , tempered glass etc;
- Fasten connectors in the correct direction to ends below and upper of left and right columns by $M4 \times 12$ grub screws.
- Fasten plastic holders onto track proper location below and upper with $M4 \times 8$ grub screws, insert main aluminium alloy column into track holder below and upper, ensure main column lamp wire drill through plastic holder.
- Insert side fixed glass left and right into main column glass flute on track's way (note: fasten aluminium alloy slip to track with $M4 \times 8$ grub screw to tighten fixed glass for non main aluminium alloy column models) ; level side columns(plastic connecter attached) with track , set glass fully into side column glass flute, with $M4 \times 12$ grub screws to fasten side column to tracks by connecter .
- Mount door idlers onto mobile glass door prepared 2-holes location , cover idlers with plastic acentric-screw-sets and tighten it with nuts , attach idlers into upper track U shape flute , and set underlay idlers into below track U shape flute as well, level mobile glass door counterpoint location, assemble idlers and tighten it by nuts , adjust the acentric-screw-sets to make commissure of each door evenly and vertical to tray surface, then put decorative cover onto nuts.
- Cleanup assembled glass enclosures, set aluminium alloy side column plastic gaskets at end below and upper of aluminium alloy side column, put glass enclosure onto tray and adjust side column screw holes, fasten side column to back enclosure at mutual interface with $M4 \times 16$ grub screws ;
- Insert plastic bar into joint flute between fixed glass and aluminium alloy column, button electromagnetic bar and waterproof plastic bar onto mobile glass door ;

3.3.4 Top cover installation (diagram#g)

- Place top cover onto installation location (note: you should have main column lamp wire drilled through top cover prepared holes), level counterpoint holes with curving wreath, tighten two parts with $M4 \times 12$ grub screws; level top cover counterpoint holes to main enclosure and fasten with $M6 \times 20$ screws; assemble door handle onto glass doors.
- Connect the wire of top lamp and joint of top shower and ensure all safe and reliable.

Casual Sanitary Ceramic Wares

4. GAT series shower panel installation instructions

4.1. Components:

- | | |
|------------------------|---------------------------|
| (1) pothook | (2) setting |
| (3) M4 × 30 grub screw | (4) M6 × 20 bolt |
| (5) M4 × 16 grub screw | (6) M6 × 60 expanded bolt |
| (7) stator | |

4.2 Tools:

- (1) “+” shape screwdriver, “-” shape screwdriver
- (2) adjustable wrench

4.3 installation steps

- Take shower panel out of carton, assemble top shower, portable shower head, massage device to the join (Notice: 1/ For the models with top cover, just fasten the cover with M6 × 20 bolts.
2/ Carefully check the joints with sealed against any leakage; 3/ There are some models without the massaged device.)
- Assemble the panel with pothooks (Diagram 1)
Check the distance between pothooks on the back of the panel and set the position corresponding on the wall and make holes. Insert expanded pipe into hole, fasten settings to wall by M4 × 30 grub screws. Join hot and cool input pipe, ensure joint well sealed. Put shower panel onto setting.
- Assemble the panel with stators (Diagram 2)
Check the height of the panel and set the position corresponding on the wall for the stator and make holes. Insert M6 × 60 expanded bolt into the hole and fasten stators. Joint hot and cool input pipe, ensure joint well sealed. Put shower panel onto stator and fasten two parts by M4 × 16 grub screws.

Notice: Use the correct method to assemble the product according the model you bought.

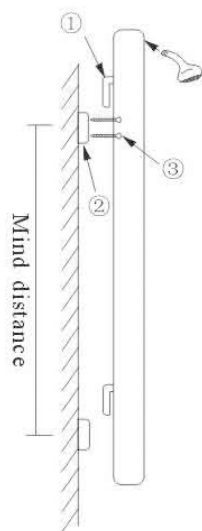


Diagram 1

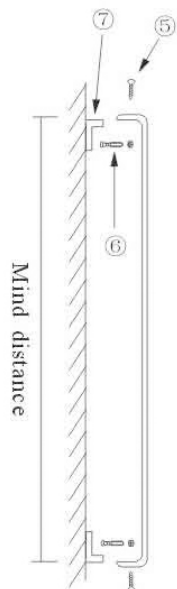
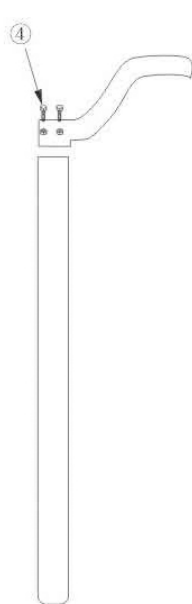
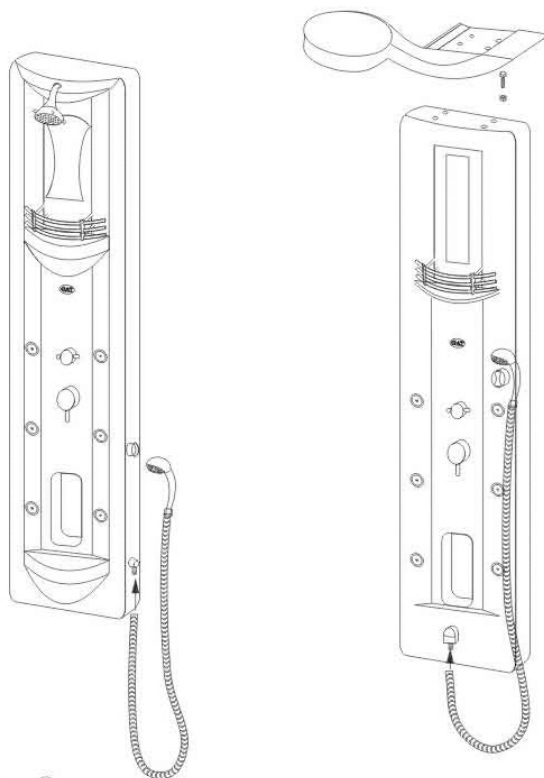
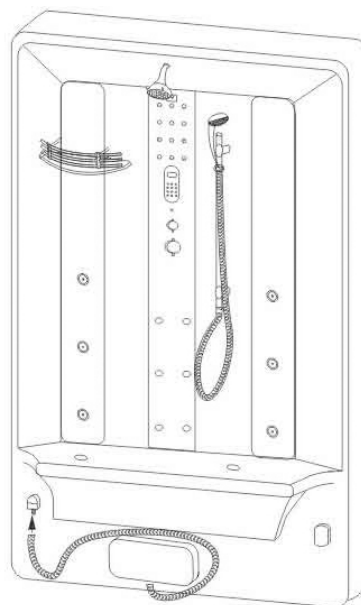


Diagram 2



Installation diagram

Casual Sanitary Ceramic Wares

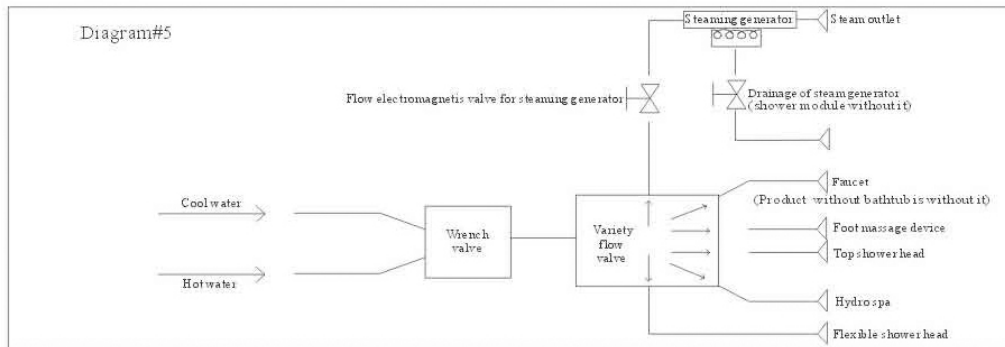
5 Water and electrical connection

5.1 Water and piping connection.

- Make water supply connection from the variety flow valve to the shower head and other cycle piping according to the function marks on the valve. Tighten the joint by flat washer, split washer, bolt and nut, make sure it is not too fasten or loosen to avoid leaks.
- Make proper connection of hot and cool water supply from the installing location to the shower.

Notice: ▲ To cut off the water supply easily after finishing your bath anytime, please place a general water valve between the shower inlet and supply outlet on a easy-operated place. Do not cut the joint of the cycle piping since the cycle piping was assembled by the manufacturer before ship to user.

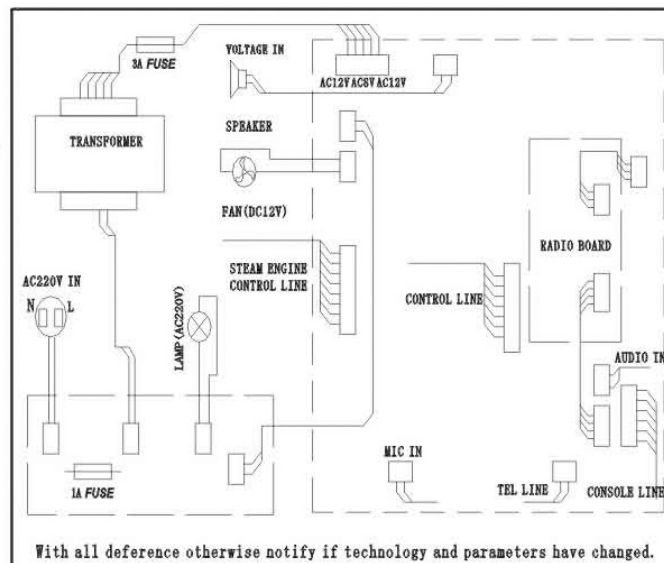
▲ Manufacturer shall not be liable under its warranty or otherwise for personal injury or damages caused by such unauthorized modification.

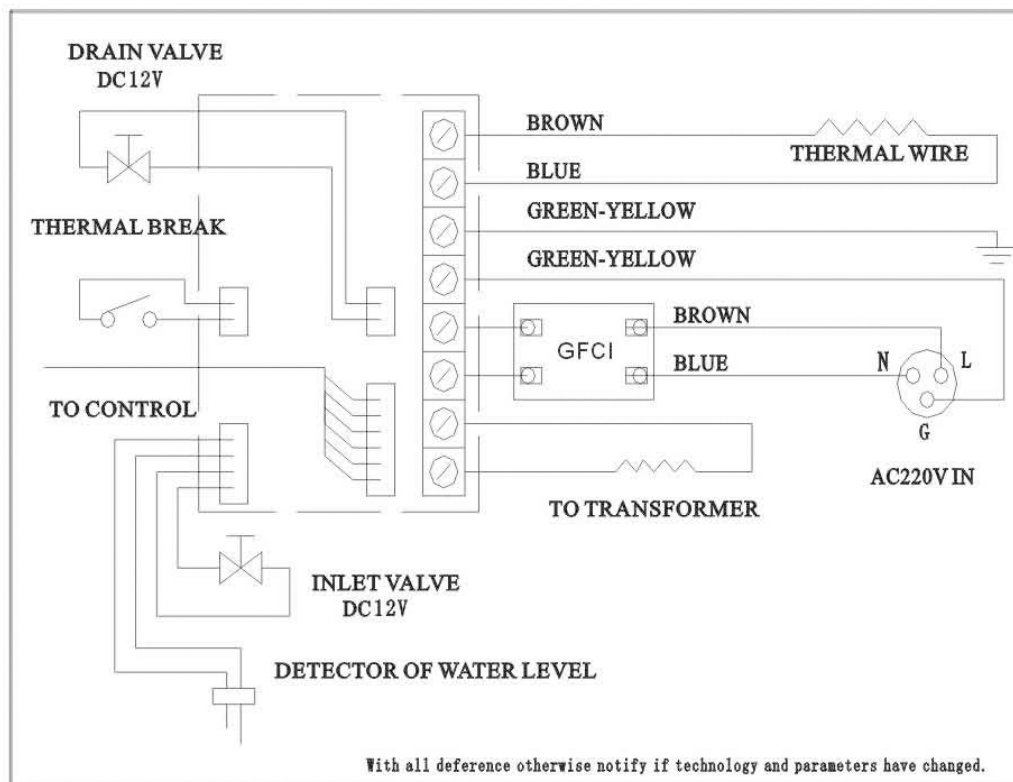


5.2 Electrical connection.

- Properly connect the control apart to top lamp, background lamp, speaker, exhaust fan and steaming generator according to the marks on the control. (Keep the joint of the cord away from the joint of cycle piping to prevent the wiring from damaged by leaks.)
- Connect the grounded cord of the shower to the protected indoor grounded system and test run it. It is forbidden to connect the grounded cord onto water and gas pipe.
- Connect to the general power break.

Diagram#6





Diagram#7

5.3 Steaming generator and piping connection

Some steaming generators of GL-100 series were installed together with the bracket before ship to user. In order to transport conveniently, steaming pipe, steaming generator inlet and cord were packed by manufacturer before ship to user. Please follow the below instruction when installing.

- ① Connect properly according to the joint marks on the steaming pipe, steaming generator and inlet through the drill hole on the bathtub.
- ② Maybe the steam pipe would be a bit anamorphic after recovering, adjust the angle of the curved pipe according to your desire, put the rubber cover on the steam pipe through the drill hole together with the steam pipe and make sure that the rubber cover should be connected properly onto the joint on both ends of the pipe for purpose of thermal protection.
- ③ The drain pipe of the steaming generator would be with high temperature when it works, make sure to connect it into the waterspout on the floor. (The run-in length should be over 10CM)
- ④ The steaming generator cord is connected to the shower control, control panel, indoor power outlet by plug-in type. Place the cord through the drill hole and connect it to the correspondent outlet according to the marks on the cord. Locate the outlet for steaming generator in a easy-operationed place in the bathroom. It is forbidden to turn on the power break if you don't use the shower. Make sure that the green-yellow cord on the surface of the steaming generator is grounded properly.

Casual Sanitary Ceramic Wares



Warning:

! The electrical connection must be made by qualified electrician or careerman assigned by the dealer. The electrical parts must be properly grounded and connected to a separate power outlet. The power must be connected to a general break and a ground-fault circuit-interrupter(GFCI) in accordance with your local electric codes. This would protect against line-to-ground shock hazzard.(This unit should be operated in a circumstance in accordance with the electric codes described on it.) .

! The control is designed and assembled by careerman, there are no parts inside it which could be replaced or repaired by user themselves. It is forbidden to repack the control or any other unauthorized modification by user. Otherwise manufacturer shall not be liable for accident caused by it, and shall not liable under its warranty if user repack the control by themselves.

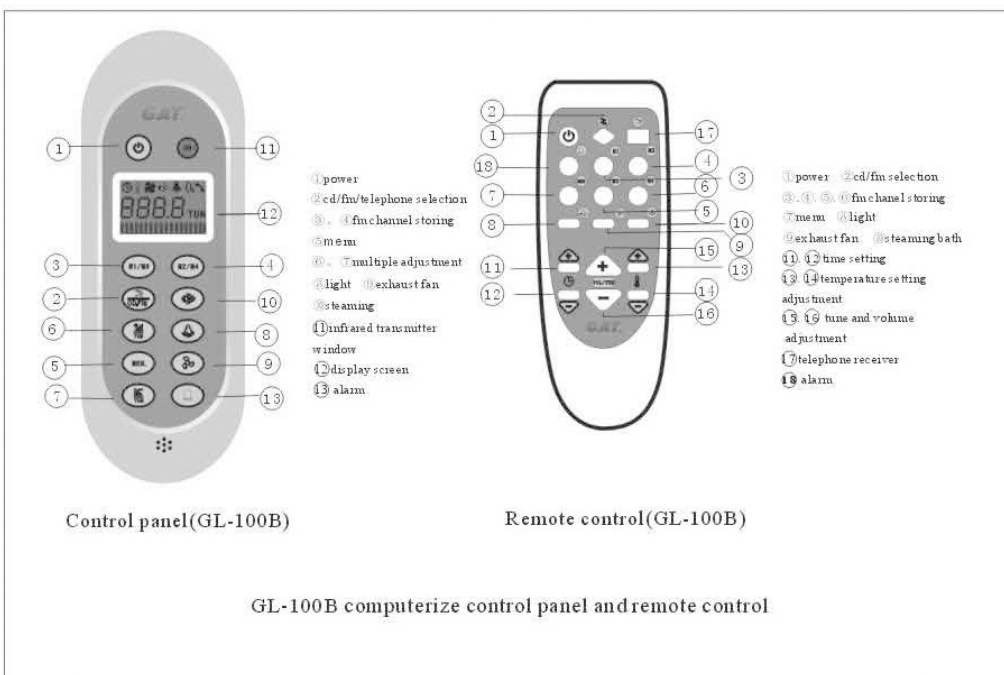
5.4 Test run

Make sure that all the function buttons of this shower can turn on and off normally and effective before using it.

II .Operation steaming bathroom and shower panel

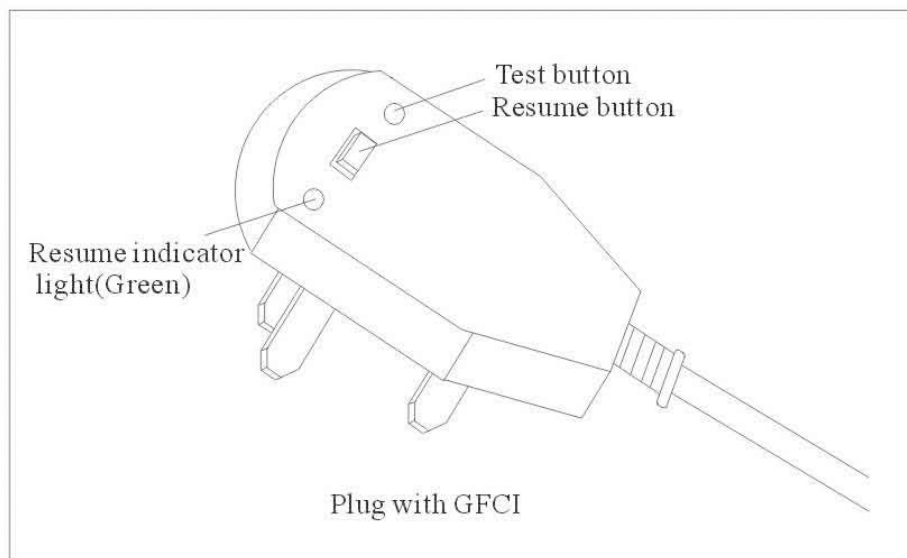
1.Steaming bathroom

1.1、 Feature of control and remote control



1.2、 Operation

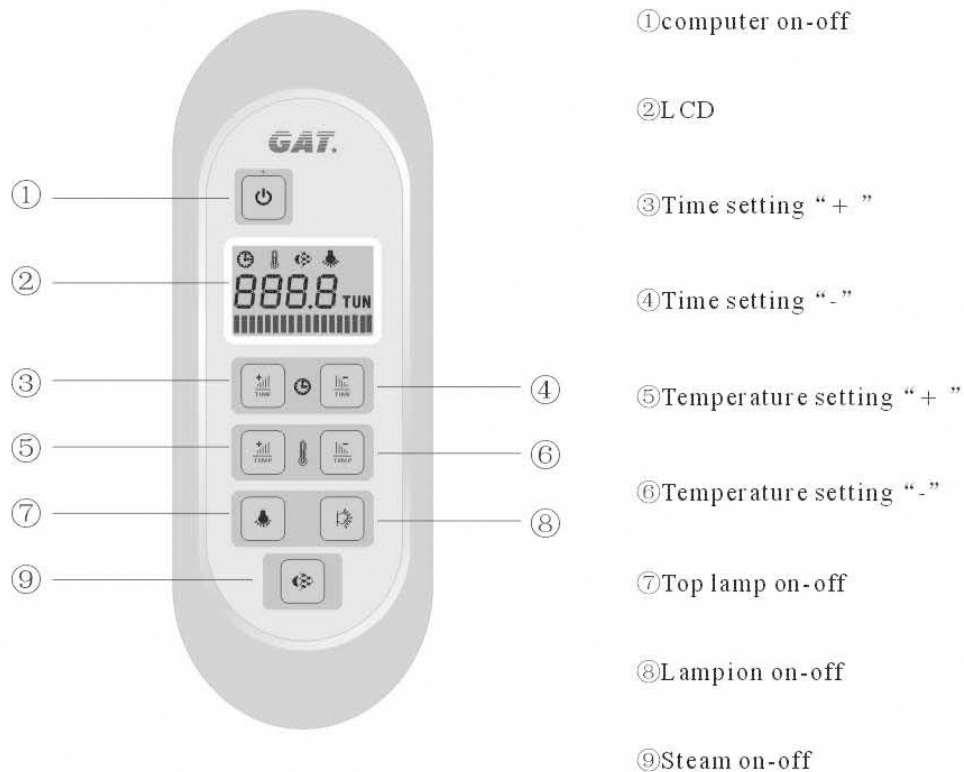
The shower collocates a plug protected by Ground-Fault Circuit-Interrupter(GFCI).
Make sure that GFCI is effective by pressing the test button before using the shower.



Casual Sanitary Ceramic Wares

2.shower panel

2.1 Feature of control and remote control



2.2 User's instructions

2. 2. 1 Connect power, press computer on-off key①, the computer control system would be on standby mode, and power indicate lamp put out , LCD ②would light ;
2. 2. 2 Operation of computerized control : on standby mode, press computerize control key to operate some functions, the corresponding marks on LCD would flash . Operation steps shown as follows:

- ◆ Steam bath: press steam on-off key ⑨ to start-up steam generator, water supply system would automatically water steam generator, the heating system would start to work when water level reach at safe limit, allow 3 minutes or so (it depends on power of steam generator), steam emit ; the steam emitting system is under computerize automatic control , once the system operated, it enters into automatic control mode to ensure effective steam generator operation. The water supply system working mode (on operate or intermit) is automatically controlled by water level inside steam generator . It is in working order that steam generator stop for a few seconds during its operation when automatic water supply system is watering . To guarantee steam generator safely operated and its service life, the steam bath system equipped with protection device avoid below water level and dry dot, once steam generator reach at below water level or run out of water for 2 minutes, the system automatically shut off.
- ◆ Steam bath time setting and temperature setting : steam bath system make time setting and steam temperature setting to a certain extent as your request. Notice : you can only make time setting and temperature setting with steam generator operate on. The setting method see follows:
 - Time setting : press time setting key ③,④ to adjust , you can set a time for steam bath from 0~45 minutes , the system would start to work on time setting mode once time setting finished, the steam bath system would automatically shut off as setting time run out , if you need to continue , please repeat the step. The system would stop in 30 minutes follow former time mode if without renewed time setting procedure .
 - Temperature setting : press temperature setting key ⑤,⑥ to adjust , you can set a temperature for your steam bath from 38~60℃ on your desire, the system would start to work on setting mode when finishing temperature setting.
- ◆ The steam generator would automatically pause working as bathroom interior temperature reaches setting limit and re-start when the inside temperature is lower than setting limit.
- ◆ Lamp : press top lamp ⑦key and lampion ⑧ key respectively , first time light, second time go out.
- ◆ Shut off : press computer on-off ① key after every steam generator system service. You should shut off general power supply after 2 minutes automatic drainage to ensure steam generator longer service life for every time computer on-off .

III. Operation of hydro massage.

Operation of variety flow valve

Turn on the general valve of water supply, pull up the wrench valve to make the water overflow and turn it to adjust the water temperature. When the water temperature is steady, turn the variety flow valve to select function according to your desire including foot massage, overflow from portable shower head, fixed top shower head, spa and/or faucet of the bathtub.

Casual Sanitary Ceramic Wares

Operation of steam :

1. Switch valve with “off” mark models

1.1 Supply only with steam: ① turn switch valve to off gear; ② Lift hot & cool mixer valve wrench, start water supply; ③ Press “steam key” on control panel to operate steam generator, it emits steam after few minutes.

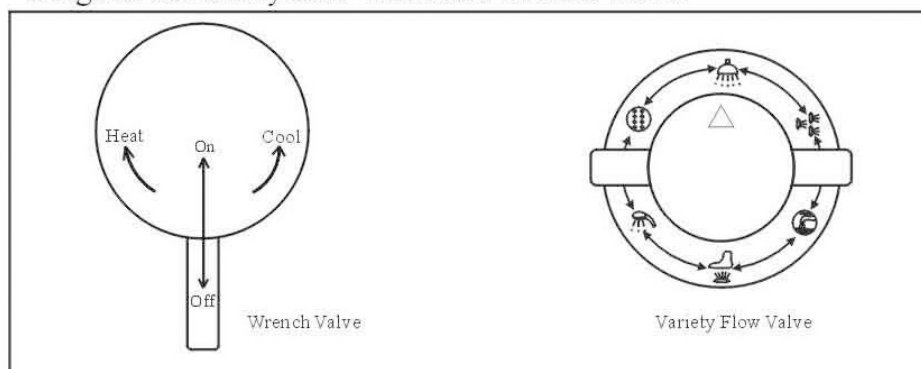
1.2 Steam and shower: repeat steps ②, ③ as 1.1 to operate steam generator, turn switch valve to select bath mode.

2. Switch valve without “off” mark models

Press “steam key” on control panel to operate steam generator once desire steam.

Steam operation is uncontrolled by general valve.

Diagram of variety flow valve and wrench valve:



IV. Operation of whirlpool massage. (this function is not included if the shower module without whirlpool bathtub.)

The operation of it is according to the GAT Consumer Manual of Whirlpools GA-200 Series.

V. Precautions

1. Keep the acryl surface of the shower module from crashing by a sharp or knife edge. If the surface is crashed or there is some blot on it which can not be removed by scrub, using #1500 sand paper to polish it and apply some toothpaste on a soft cloth to wipe it.

2. Using general purpose cleaner to clean-up the shower module. Do not allow cleaners containing such organic solvents as acid, alkali, ketone and aldehyde.

3. Need not polish the plating parts of the shower module to prevent from affecting the lightness of the surface. Keep benzine and acid (such as sealant) away from the plating parts avoid eroding when being in installation.

4. Ensure the performance of steaming generator, it should be clean-up termly especially in area where the water is with bad quality. It is recommended to clean-up every 2-3 months in general circumstance. Fill some water with citric acid into the steaming generator, start up the generator and keep it vaporize the water absolutely, then fill some clean water to clean it up.

5. Handle carefully to avoid crashing and crushing when removing the shower module.

6. Shut down the water and electrical supply if the shower module is not in operation for a long time. Keep it in a dry and ventilater circumstance and far away from volatile chemicals.

7. Clean-up the filter at the joint of the water pipe to ensure the fluent flowing.

VI. Troubleshooting

Symptoms	Probable Causes	Recommended Action
No power to the shower module	①. General power plug connects loose to the electrical outlet or disconnected wiring. ②. Ground-Fault Circuit-Interrupter trips	①. Connect the plug to the electrical outlet properly or check, repair, replace the cord. ②. Check if there is creepage on the circuit, press the resume button on the Ground-Fault Circuit-Interrupter, reconnect it.
The control flashes, shuts down automatically after starting up	①. Control connects loose to the electrical outlet. ②. Temperature detector does not work	①. Plug into the electrical outlet tightly and fasten the screws on the ends of the plug. ②. Replace the temperature detector.
The control panel does not display	①. No power to the control panel. ②. Fuse of the control is burn-out	①. Plug in. ②. Replace the fuse.
LED on the control is not available and shower module does not work	①. Control panel disconnects to the control. ②. 9V voltage of the control is not available	①. Check and connect the control panel to the control properly. ②. Repair 9V voltage.
No steam engender or steaming generator does not work	①. Steaming generator disconnects to the control. ②. Electrothermal tube does not work. ③. No water to the steaming generator or not enough. ④. Steam outlet is blocked. ⑤. Setting temperature is lower than temperature indoor. ⑥. Setting of mounting time runs out. ⑦. Thermal break shut down the steaming generator or does not work.	①. Check and plug in. ②. Replace it. ③. Check the piping and flow electromagnetic valve, remove obstruction or replace the valve. ④. Remove obstruction. ⑤. Reset the temperature or wait for the indoor temperature lower down. ⑥. Restart the system. ⑦. Resume the thermal break or replace it.
No lighting	①. Bulb, lamp tube or rectifier does not work. ②. Lighting wire disconnects. ③. No power output from the control	①. Replace the bulb, lamp tube or rectifier. ②. Check and reconnect wiring. ③. Check power output wiring of the control.
Exhaust fan does not work	①. Exhaust fan does not work. ②. Exhaust fan disconnects	①. Replace exhaust fan. ②. Reconnect wiring.
Telephone receiver is not available	①. Telephone receiver disconnects to the telephone indoor. ②. Telephone indoor is of anti-theft-dialing lock	①. Reconnect telephone wiring. ②. Replace telephone which is without anti-theft-dialing lock.
Steaming generator can not drain automatically	①. Drainage electromagnetic valve disconnects. ②. Drainage electromagnetic valve does not work	①. Reconnect cord of electromagnetic valve. ②. Replace electromagnetic valve.
Tune effect is not good enough	Antenna position is not proper	Adjust the antenna position
Remote control does not work	①. Batteries run out. ②. Remote control does not face the control panel. ③. There is strong electromagnetic interfere nearby	①. Replace batteries. ②. Make the remote control face to the control panel. ③. Operate manually at the moment.

Notice: ① Call dealer or qualified electrician for maintenance when meeting problems shown above.

② Must not replace, put on or take off the electrical parts when checking problems by user themselves.

The products are made according to ISO-9001 and the standard for electrician safety

Manufacturer	 <i>Chaozhou GAT Bathroom Equipment and Supplies Co., Ltd</i> Add: Fengtang Industrial Areas, Chaozhou City, Guangdong Province. Http://www.gat.net.cn E-mail: cz@gat.net.cn Tel: 86-768-6856228 Fax: 86-768-6856238 Zip: 515646	Criterion Q/MXP2-1999 ISO 9001  
--------------	--	--

★ *Noted : The instructions are only for your reference. Please contact supplier for further information.*