



ARIEL
AM152 Installation Instruction

Safety Information

- 1.Please read carefully and follows all instruction when operating.
- 2.An earth leakage circuit-breaker must be installed and please carefully check it before use.
- 3.To avoid electric shock, the replacing of the wire must be done by the electrical engineer or the retailer. You could not alternate just by yourself. The wire for TS series shall be:3*1.5 square mm; The wire for TS-1 series shall be 3*1.0 square mm.
- 4.A grounding wire connector is provided on this unit to connect with the surface of water pump and air pump.The minimum of the solid copper must be 1.5 square mm.
- 5.Forbid modifying and eliminating the product.
- 6.Please don't use this product after alcohol or drugs.
- 7.The children user shall be closely supervised by parents.
- 8.All the electrical spare parts except the remote control must be put stable to avoid slip into the tub.
- 9.Warning:the water temperature shall never exceed 60 degree centigrade.
- 10.Using strong causticity chemical liquid to cleaning the product, such as vitriol,hydrochloric acid,lye and so on is forbidden.
- 11.The pumping machine would be very hot when and after running,to avoid scald,please don't touch the surface of the pumping machine.
- 12.The water level must be higher than the jet before turning the product on.
- 13.No dropping things into the connection point of the pump and the power machine.
- 14.Warning: Avoid electrical shock, the GFCI/RCD (Earth Leakage Circuit Breaker) must be installed.
- 15.Warning: Avoid electrical shock, not allow useing extended wire. The socket used should be positioned near the products.

Maintenance instruction

1.The cleaning of the acrylic surface:

For the daily maintenance you could just use the sponge and water. If there are scratches appear in the surface, please use the 1500 waterproof abrasive paper to polish the surface. Then use toothpaste to polish again. You could also use the dirt cleaning machine for help. However, you could not use strong causticity chemical liquid to cleaning the product, such as vitriol, hydrochloric acid, lye and so on.

2.Electroplate cleaning:

Please use the soft cloth for cleaning. Please don't use the rough cloth.

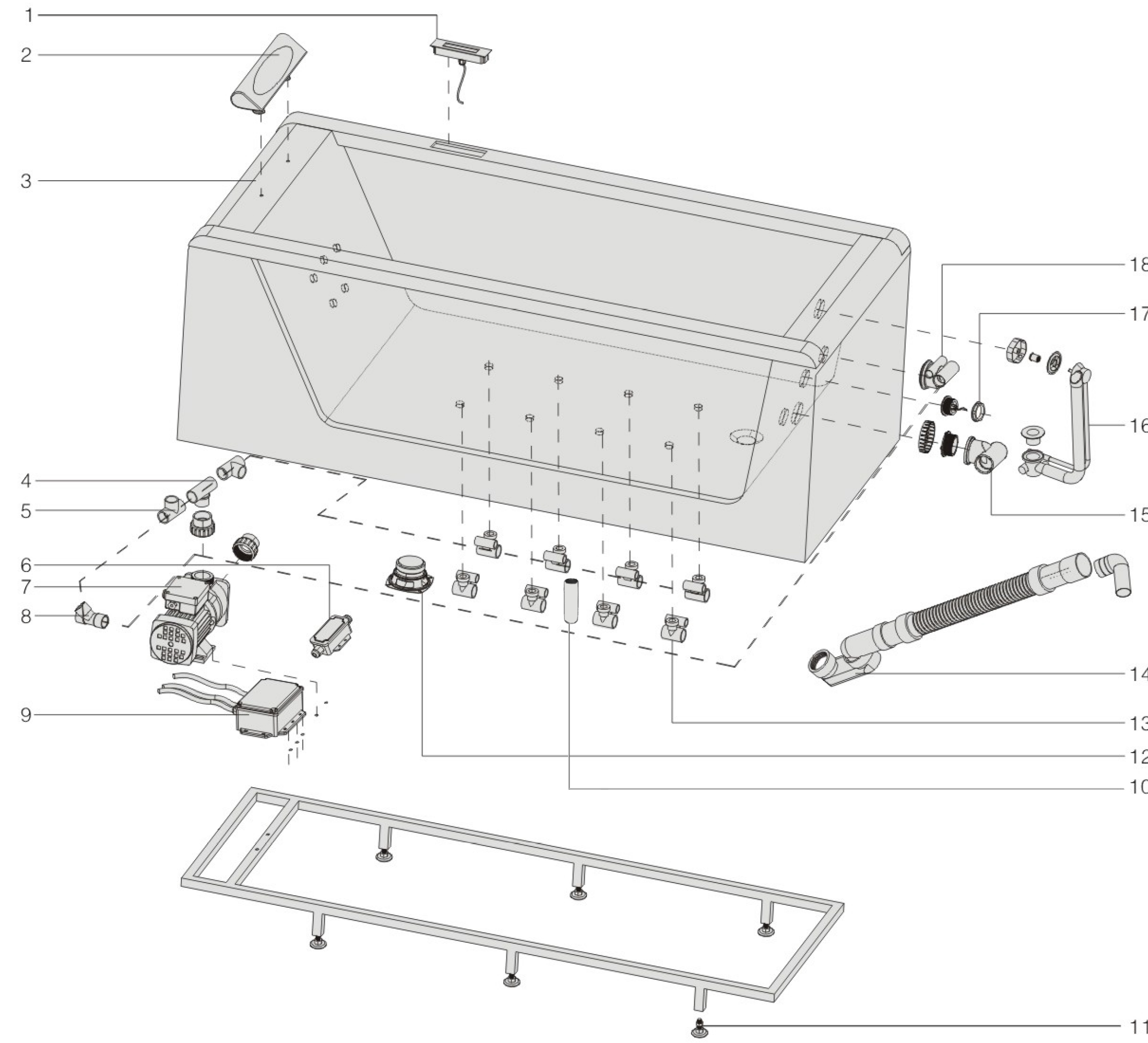
3.Suction net cleaning:

Turn the screw out and take the suction net out, Clean it to keep the water going through smoothly. Not use strong causticity chemical liquid to cleaning the product, such as vitriol, hydrochloric acid, lye and so on.

CONTENTS

01	AM152 Components Structure
02	AM152 Water and wire line instruction diagram
03	Wire connection diagram for massage bathtubs
04-05	TS Control panel usage instruction
06-07	TS-1 Control panel usage instruction
08	Troubleshooting Instructions

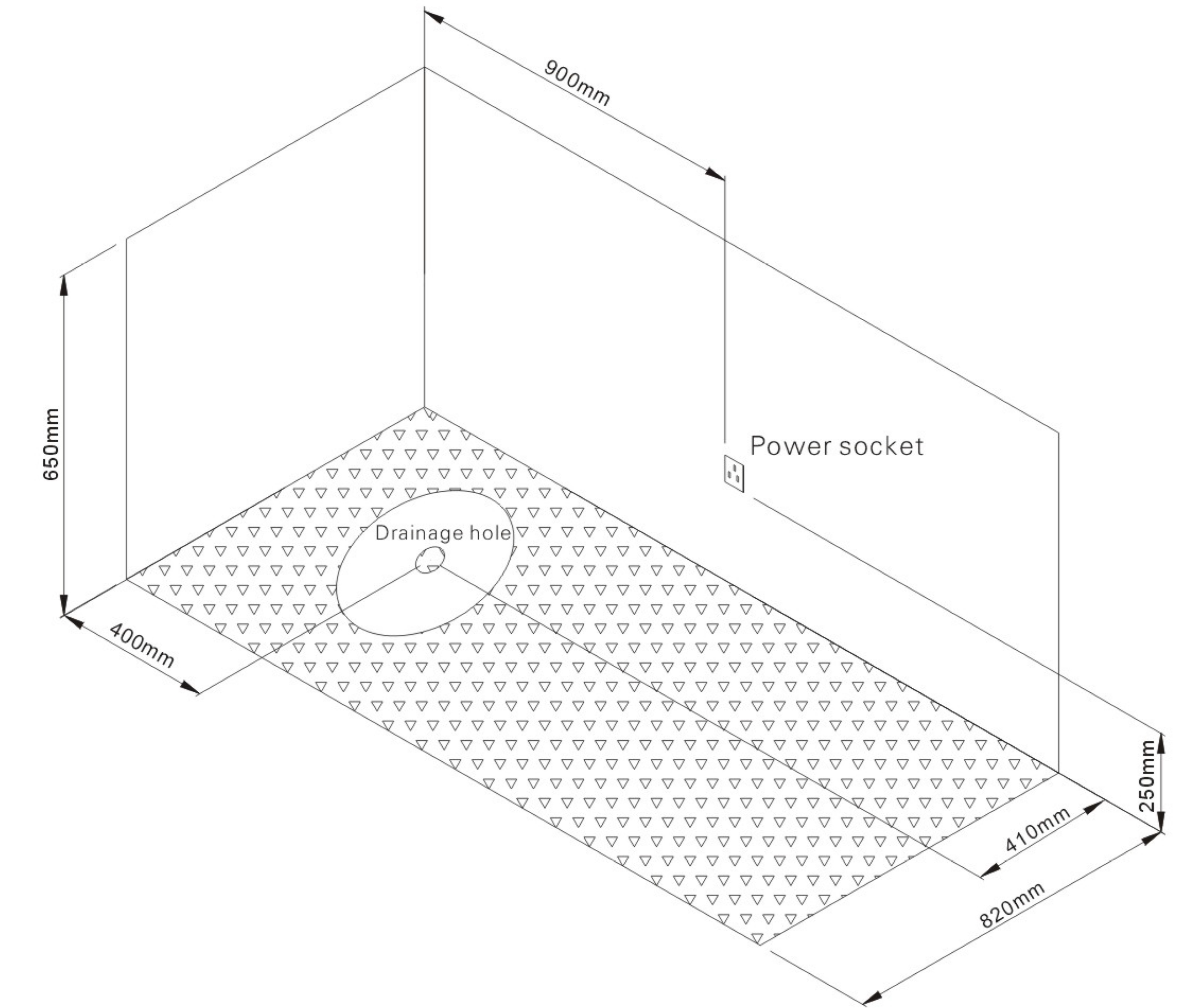
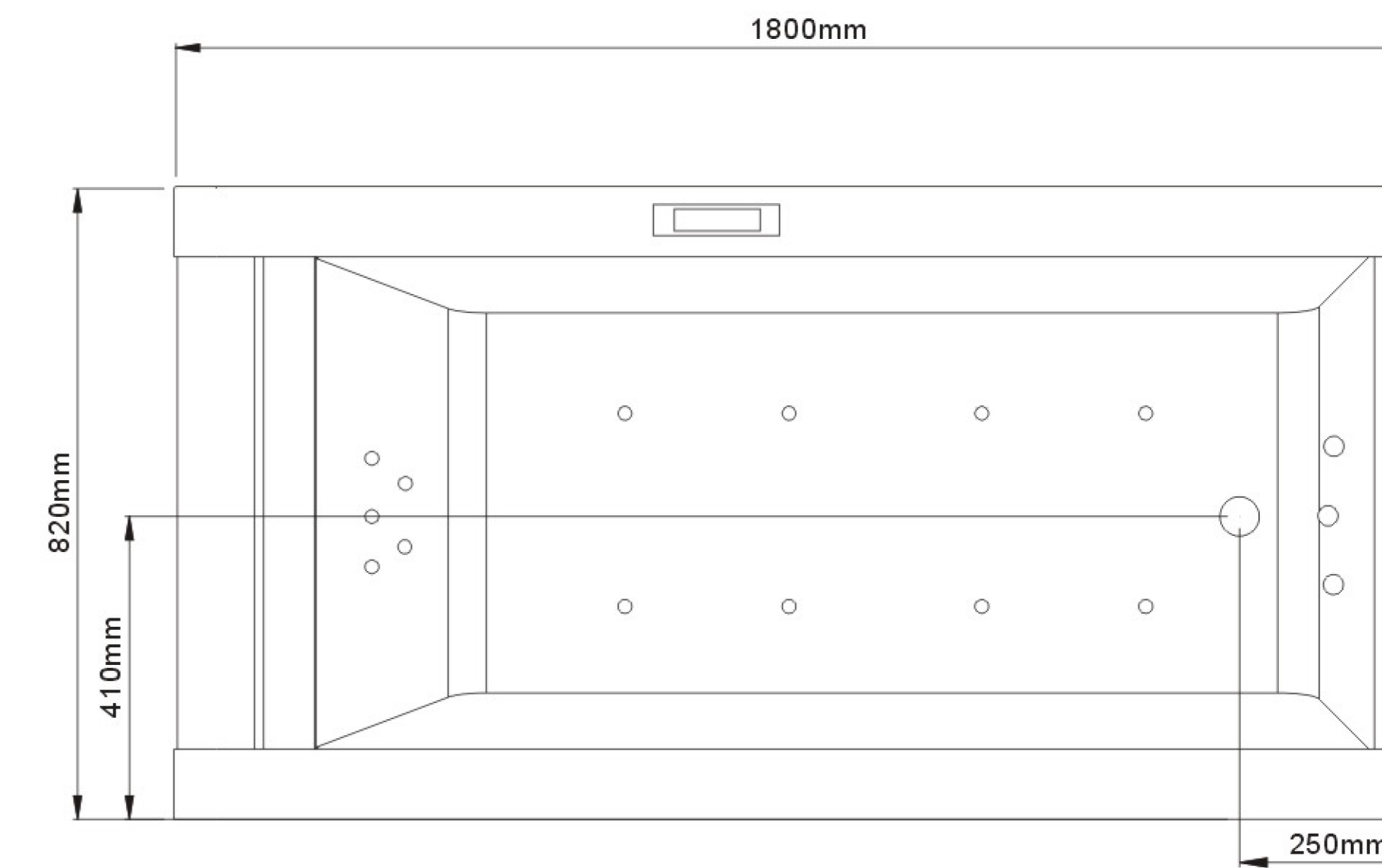
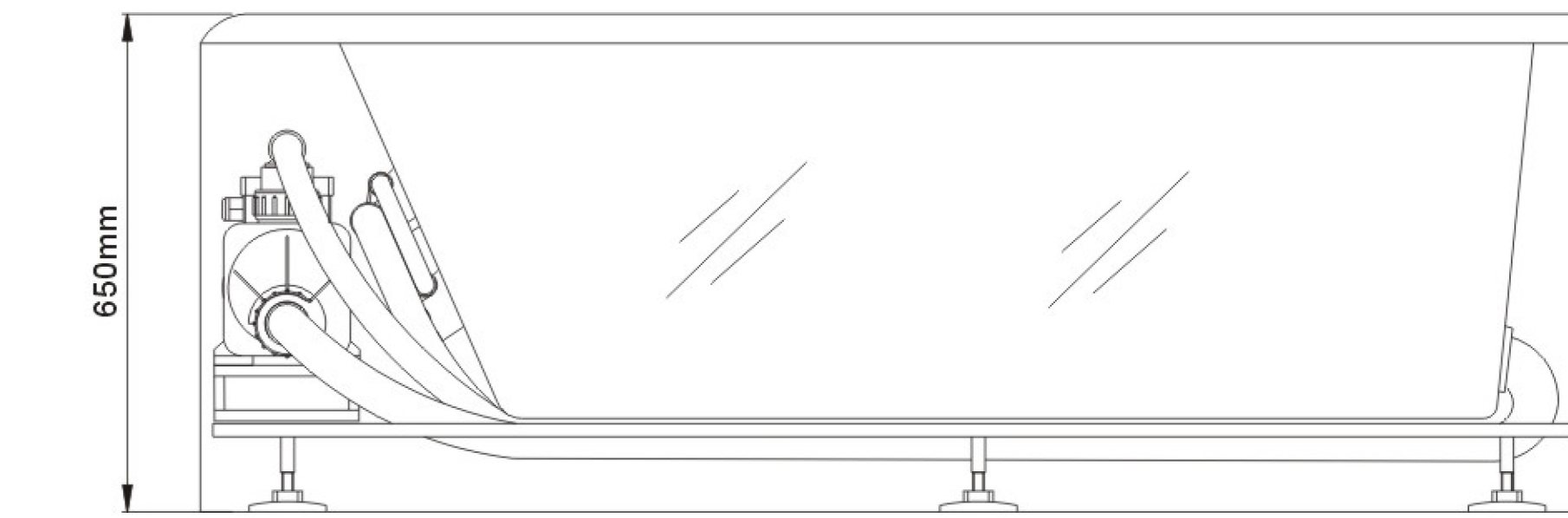
AM152 Components Structure



1. BS-311 (E3) control panel	2. HR340 pillow	3. Bathtub body
		
4. A07 lengthened plastic	5. 1 inches three way conversion	6. Plastic box for income wire
		
7. Water pump	8. 1 inch three way conversion	9. BS311 (E3) PC board
		
10. Water Inlet (optional)	11. Bathtub leg	12. Loudspeaker
		
13. side jets	14. Smell proof water drainage	15. Plastic suction
		
16. 3629A-5 Plastic drainage	17. Bottom light	18. Back jet
		

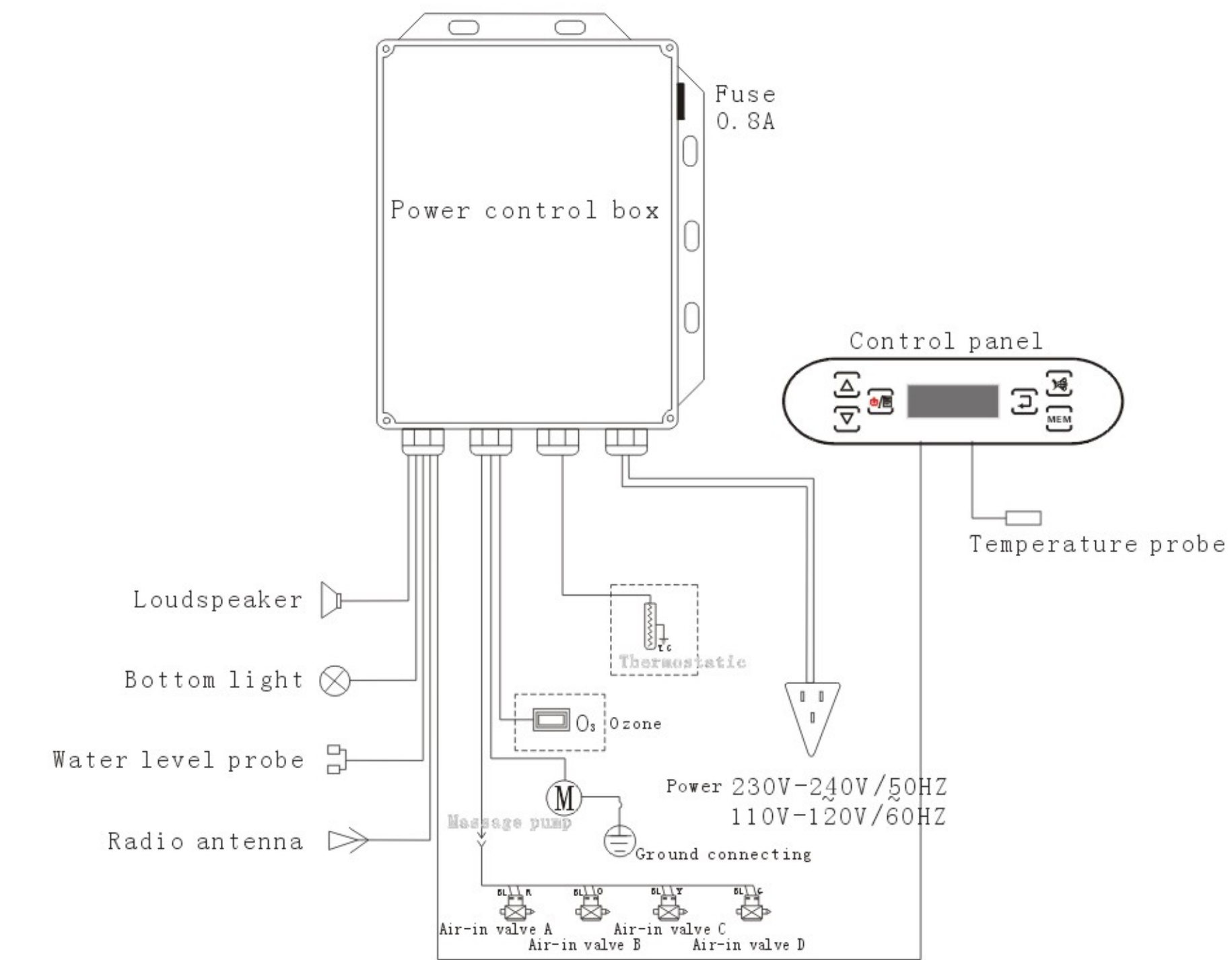
PART 10 IS AN OPTIONAL TUB FILLER, IF YOU CHOOSE NOT TO USE IT. PLEASE CLOSE OFF WITH 1/2" CAP.

AM152 Water and wire line instruction diagram



Wire connection diagram for massage bathtubs

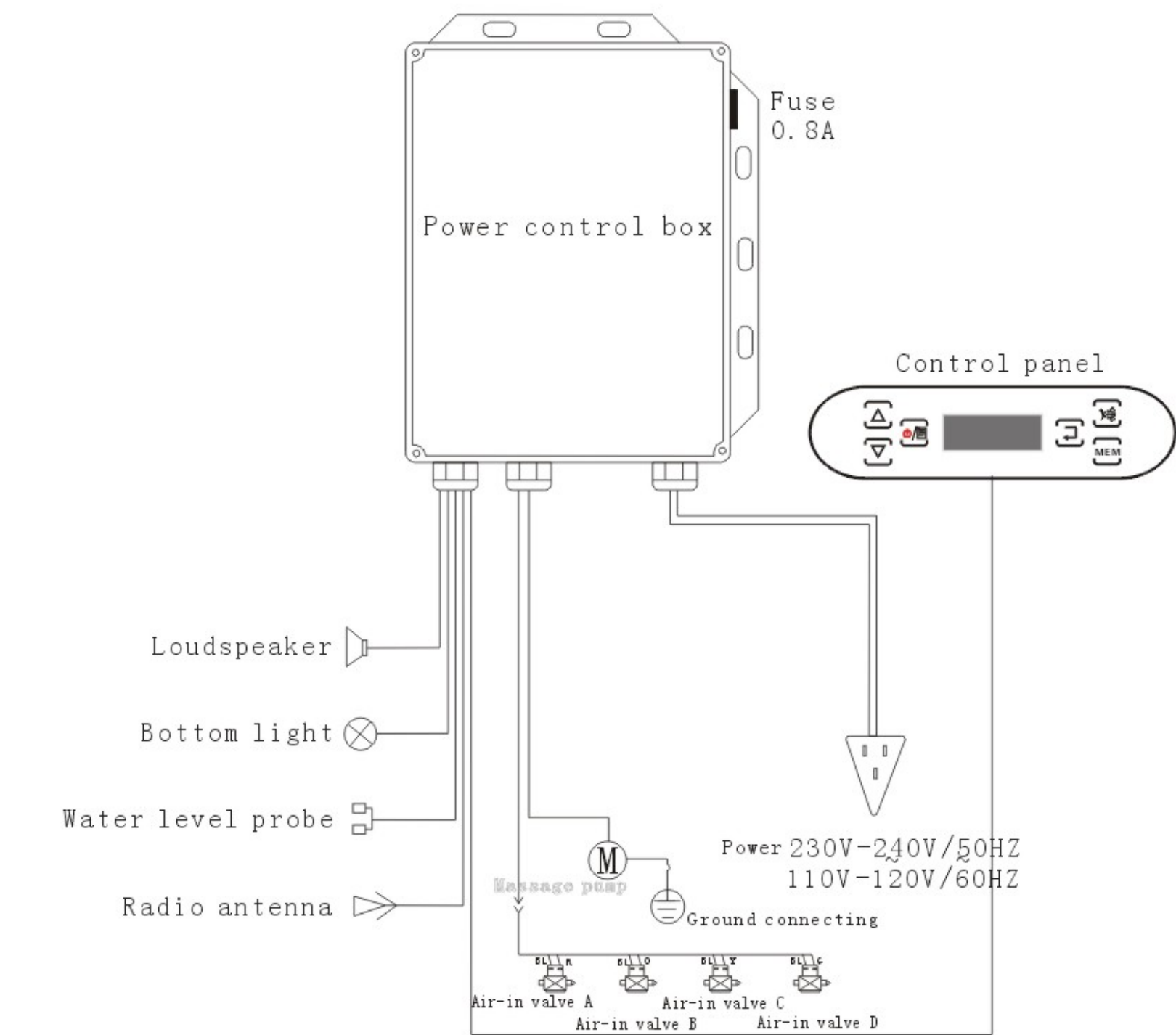
TS luxurious bathtub wire connection diagram



Electric parameter

Spare part	Message pump	Ozone machine	Bottom light	Thermostatic	Electromagnetism valve	PC control panel	Loudspeaker	Notes
Rate voltage	AC220-240V/50HZ	AC12V	DC12V	AC220V/50HZ	DC12V	AC220V/50HZ		
Rate voltage	AC110-120V/60HZ	AC12V	DC12V	AC120V/60HZ	DC12V	AC120V/60HZ		
Rate power	1125W	5W	3W	1500W	5W		15W	

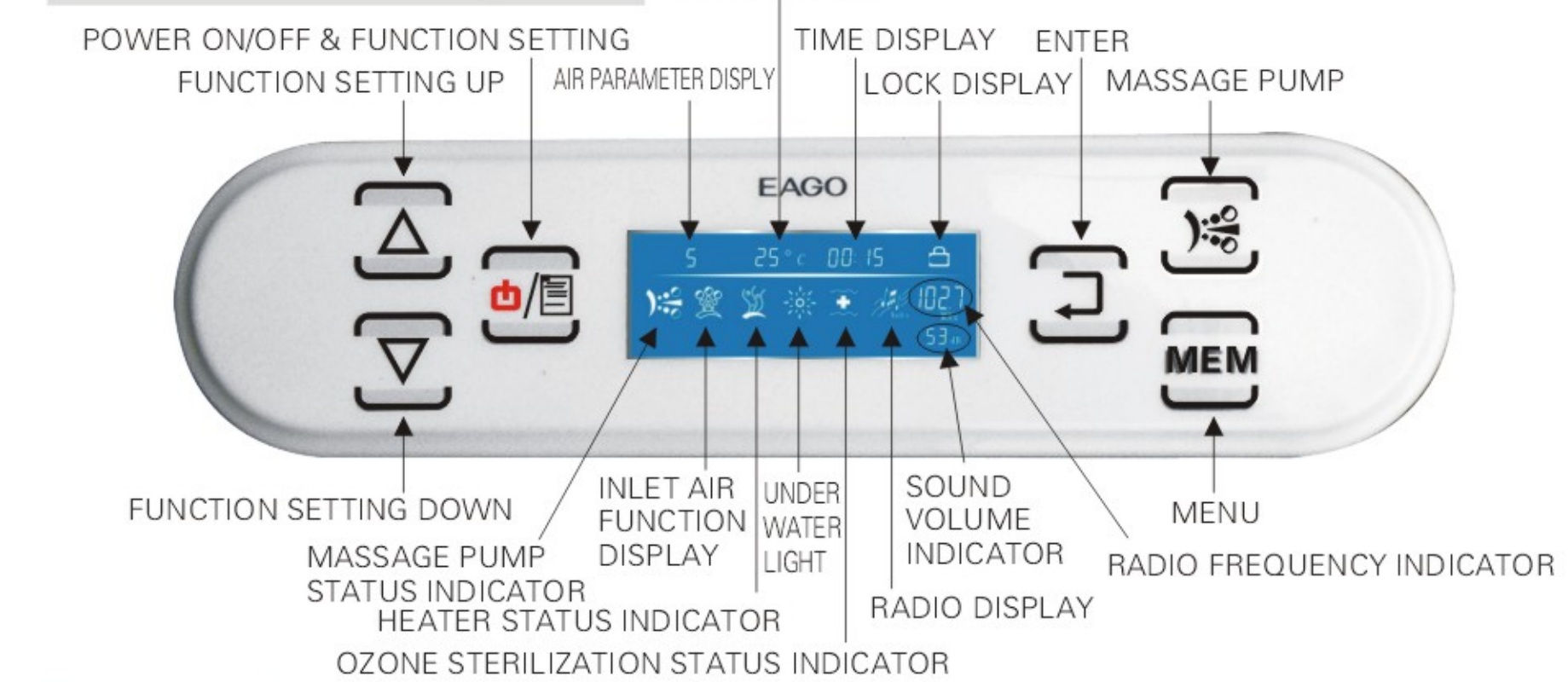
TS-1 luxurious bathtub wire connection diagram



Electric parameter

Spare part	Message pump	Ozone machine	Bottom light	Thermostatic	Electromagnetism valve	PC control panel	Loudspeaker	Notes
Rate voltage	AC220-240V/50HZ		DC12V		DC12V	AC220V/50HZ		
Rate voltage	AC110-120V/60HZ		DC12V		DC12V	AC120V/60HZ		
Rate power	1125W		3W		5W		15W	

TS PC control panel



Basin functions:

- 1.The induced button clicks when valid operation, but there is no response if invalid operation.
- 2.LCD display.
- 3.Radio function.
- 4.Massage pump is controlled by the water level.
- 5.Heater function is available. Water temp is adjustable and it is controlled by water level and massage pump.
- 6.Underwater light.
- 7.INLET AIR FUNCTION is controlled by massage pump and water level.
- 8.Water temp display.
- 9.Ozone sterilization is controlled by water level.
- 10.Working time display.

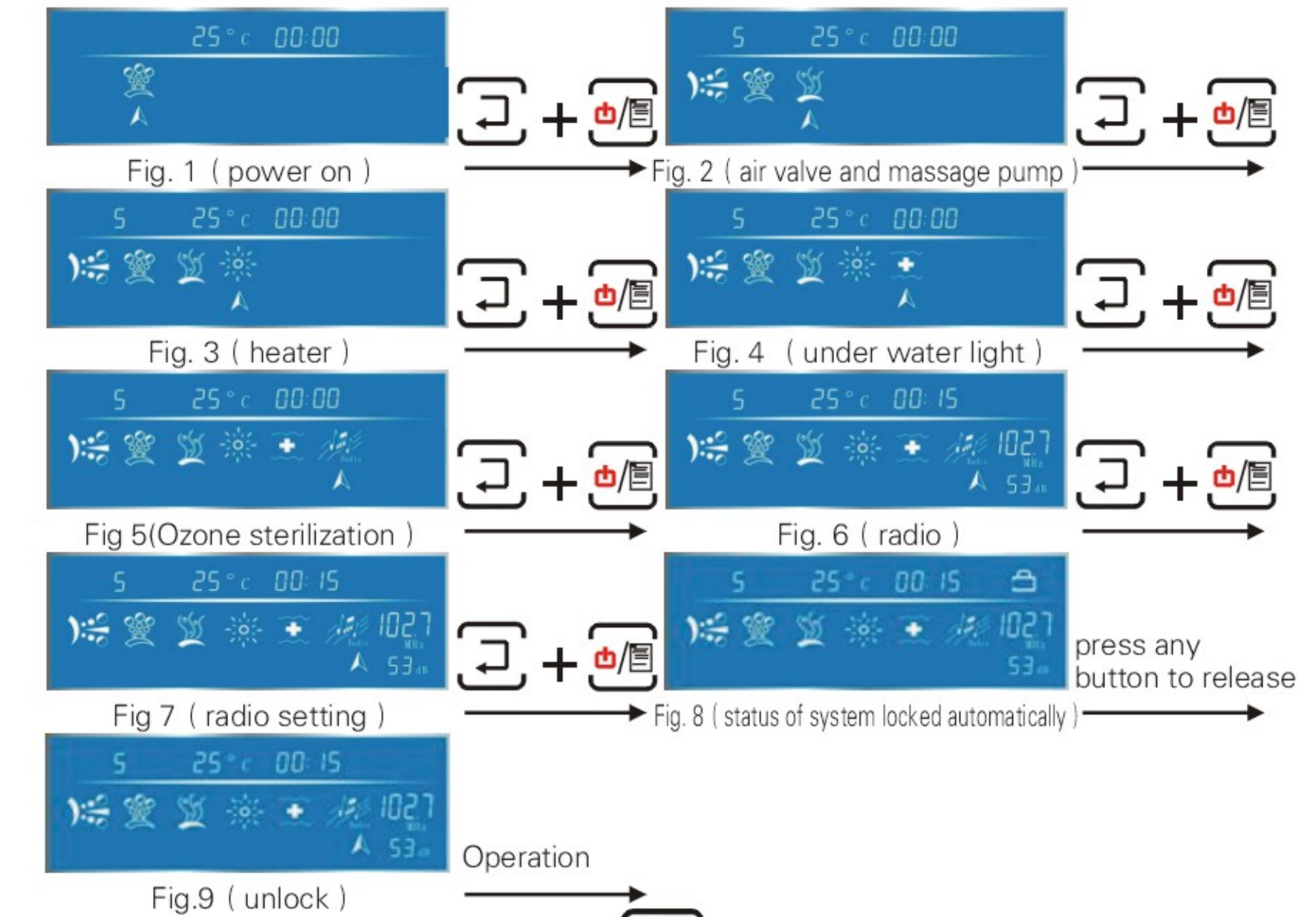
Operation instruction

1、POWER ON/OFF & FUNCTION SETTING

When unit is powered on, press button on control panel in 1 second, all function buttons are on or off operation phase. System will be deactivated after 1 hour automatically unless be turned off first manually by press button again in 1 second. All function will be off accordingly. When the system is activated, press button shortly (less than 1 second) and enter into function setting status. Then the function icon is flashing on the control screen and sign is shown under this function button. Press Enter button to activate the function with sign underneath. The icon will not

TS Control panel usage instruction

Flash if the function is on. Press button again and sign will move to the next function button, which will flash accordingly. Then press Enter button to activate this function with sign. And the rest function may be deduced by analogy.



2、MESSAGE PUMP

Press button on the control panel and the massage pump start running. Press this button again to shut off the massage pump. The massage pump is controlled by the water level. When the water level does not reach the position for the sensor, there is no response by pressing button and the massage pump is not available.

3、ENTER


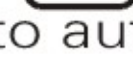
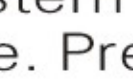

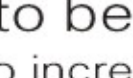
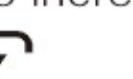
If any functional button is on, press ENTER button to shut off this function. If any functional button with icon underneath is flashing, press Enter button to activate it.

4、MENU


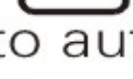
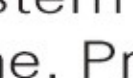
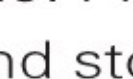
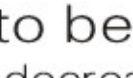
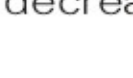
When the radio opens, press MENU button to converse the operations of frequency adjustment or desired channels stored down.

TS Control panel usage instruction



5、FUNCTION SETTING UP

During radio frequency display phase, press  to increase frequency. Press  for more than 1 second; enter into automatic channel up search status. It will stop till next available channel comes up or end up to upper limit 108.0MHZ. During sound volume display phase and system in FM channel manual search status, press  to increase volume. Press  for more than 1 second, sound volume increases quickly and stops if releasing or till the upper limit. During temp display phase, press  to increase heating temperature, from 20~45. System presents water temp to be 40° C by default. (Note: If no any function icon is flashing, press  only to increase the sound volume.)

6、FUNCTION SETTING DOWN

During radio frequency display phase, press  to decrease frequency. Press  for more than 1 second; enter into automatic channel down search status. It will stop till next available channel comes up or end up to lower limit 87.50MHZ. During sound volume display phase and system in FM channel manual search status, press  to decrease volume. Press  for more than 1 second, sound volume decreases quickly and stops if releasing or till the lower limit. During temp display phase, press  to decrease heating temperature, from 20~45. System presents water temp to be 40° C by default. (Note: If no any function icon is flashing, press  only to decrease the sound volume.)

Underwater light

When  icon is directing at  function icon, press Enter button for the first time and red light is on. Press Enter button for the second time, red-green light is on; third time, green light on; fourth time, green-blue light on; fifth time, blue light on; sixth time, blue-red light on. Press Enter button for the seventh time, underwater light enters into different colors changing in sequence. The underwater light cycles in this sequence: red, red-green, green, green-blue, blue and blue-red. Press Enter button for the eighth time to deactivate underwater light.

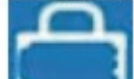

Inlet air function display

When  icon is directing at  functional icon, press Enter button, massage pump A starts running. Meanwhile, one inlet valve is open and inlet air parameter displays 1. Press Enter button from 2nd to 4th time, two to four inlet valves are open and inlet air parameter display 2 to 4. Press Enter button in 5th time, inlet valve is open in sequence for every 3 seconds and inlet air parameter display 5. Press Enter button in 6th time, all inlet valves are open for every 2 seconds and

close for every 1 second and inlet air parameter display 6. Press Enter button for the 7th times, all the inlet valves close and no parameter display, but massage pump keeps running.

The inlet air function cycles in this sequence: one valve, two valves, three valves, four valves, three valves, two valves and one valve. (Note: If water level in the bathtub does not reach the position for the water level sensor, there is no any response by pressing  icon.)



LOCK DISPLAY

When the display panel is on non-operational phase for 30 seconds, the panel will be locked automatically. Meanwhile, LCD screen display lock indicator icon  on the top right corner. Then no response is from the panel by any short press (less than 1 second). Press any icon on the display panel by long press (normally 1 second) to unlock the panel and the lock indicator icon  will disappear. Then all function buttons are on operation phase.

TIME DISPLAY: When the display panel is on operation phase, the time display presents  for timing. System will be deactivated automatically after the system has run for 1 hour . Press power on/off button by long press to activate the system again.


Automatic drainage function: When the system is off, open the waste and the water drains out automatically. When the water level is below the position for the water level sensor, drain solenoid valve of few products is open for 30 minutes. This function requires no direct operation.

Light in the front panel for few products: When the system is activated, light in the front panel for few products is on at the same time. As soon as the deactivation, the system and light in the front panel is off automatically. This function requires no direct operation.

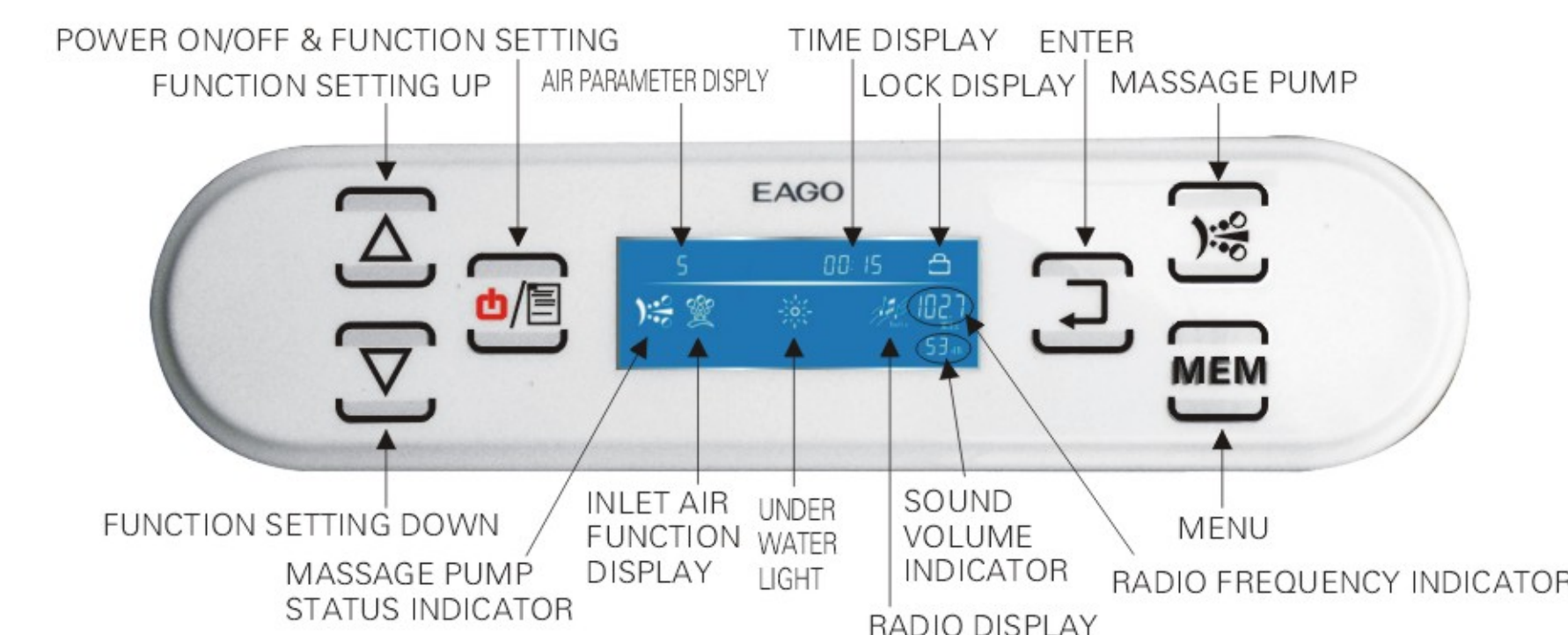
Special operational instruction for the heater: Press Enter button to activate heater function when the control screen is shown as the Fig. 2 and the heater function icon  is flashing. When heater is functioning, temp setting icon flashes. Use  and  buttons

to set the desired temperature, from 20~ 45. The temp setting is not available when the temp icon does not flash. System presets water temp to be 40 by default. When the massage pump is not working, heater function is not available.

Special operational instruction for the Ozone sterilization:

Press Enter button to activate ozone sterilization function when the control screen is shown as the Fig. 4 and the heater function  icon is flashing. When the water level does not reach the position for the sensor, no response is from the button and ozone sterilization is not available.

TS-1 PC control panel







Basin functions:

- 1.The induced button clicks when valid operation, but there is no response if invalid operation.
- 2.LCD display.
- 3.Radio function.
- 4.Massage pump is controlled by the water level.
- 5.Underwater light.
- 6.INLET AIR FUNCTION is controlled by massage pump and water level.
- 7.Working time display.

Operation instruction

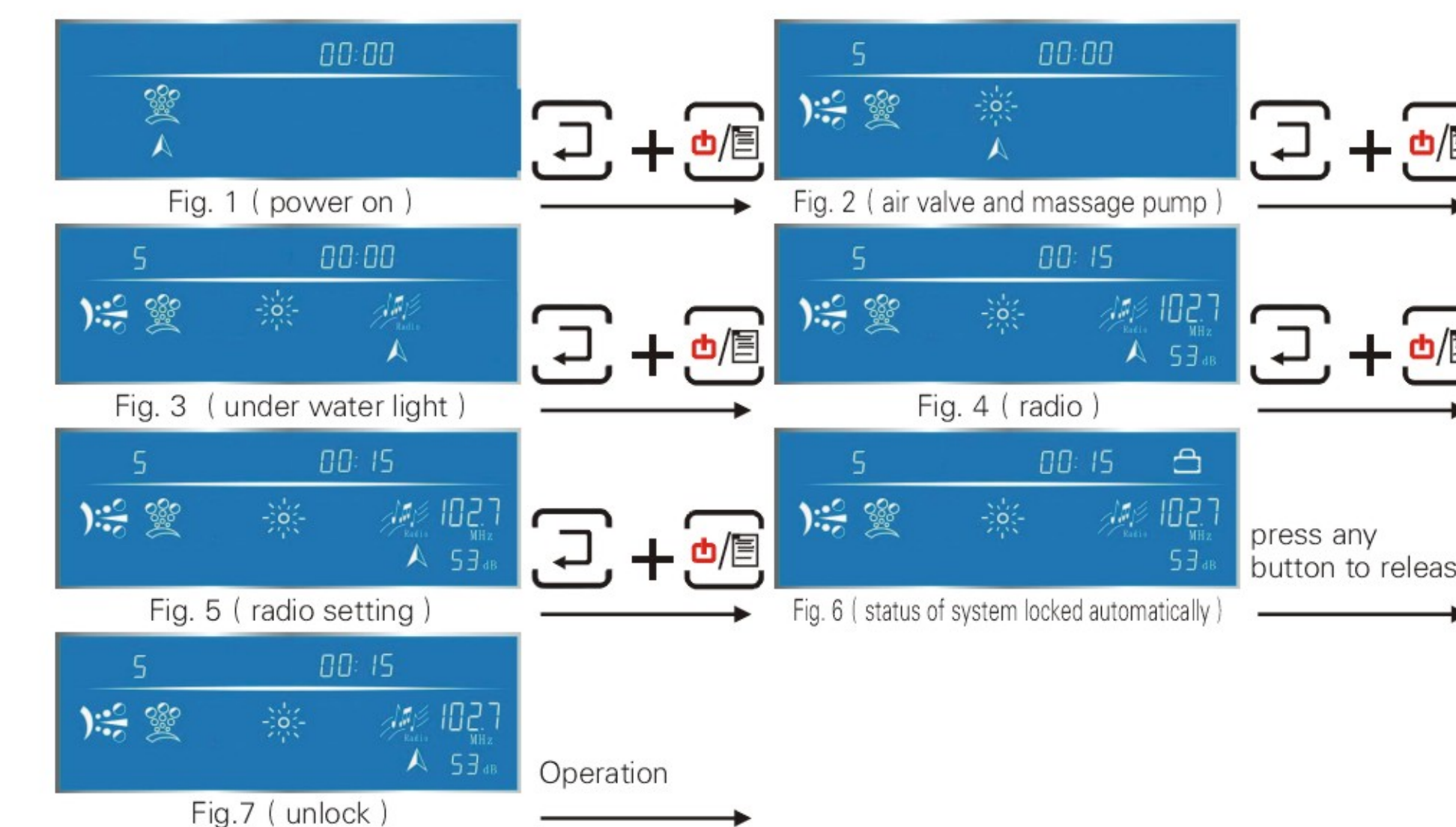
1、POWER ON/OFF & FUNCTION SETTING

When unit is powered on, press  button on control panel in 1 second, all function buttons are on or off operation phase. System will be deactivated after 1 hour automatically unless be turned off first manually by press  button again in 1 second. All function will be off accordingly. When the system is activated, press 



button shortly (less than 1 second) and enter into function setting status. Then the function icon is flashing on the control screen and  sign is shown under this function button. Press Enter button to activate the function with  sign underneath. The icon will not

TS-1 Control panel usage instruction


Flash if the function is on. Press  button again and  sign will move to the next function button, which will flash accordingly. Then press Enter button to activate this function with  sign. And the rest function may be deduced by analogy.



2、MESSAGE PUMP

Press  button on the control panel and the massage pump start running. Press this button again to shut off the massage pump. The massage pump is controlled by the water level. When the water level does not reach the position for the sensor, there is no response by pressing  button and the massage pump is not available.

3、ENTER


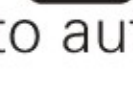
If any functional button is on, press ENTER button to shut off this function. If any functional button with  icon underneath is flashing, press Enter button to activate it.



4、MENU

When the radio opens, press MENU button to converse the operations of frequency adjustment or desired channels stored down.

TS-1 Control panel usage instruction


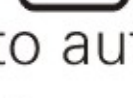
5、FUNCTION SETTING UP



During radio frequency display phase, press  to increase frequency. Press  for more than 1 second; enter into automatic channel up search status. It will stop till next available channel comes up or end up to upper limit 108.0MHZ.

During sound volume display phase and system in FM channel manual search status, press  to increase volume. Press  for more than 1 second, sound volume increases quickly and stops if releasing or till the upper limit.

(Note: If no any function icon is flashing, press  only to increase the sound volume.)



6、FUNCTION SETTING DOWN

During radio frequency display phase, press  to decrease frequency. Press  for more than 1 second; enter into automatic channel down search status. It will stop till next available channel comes up or end up to lower limit 87.50MHZ.

During sound volume display phase and system in FM channel manual search status, press  to decrease volume. Press  for more than 1 second, sound volume decreases quickly and stops if releasing or till the lower limit.

(Note: If no any function icon is flashing, press  only to decrease the sound volume.)



Underwater light

When  icon is directing at  function icon, press Enter button for the first time and red light is on. Press Enter button for the second time, red-green light is on; third time, green light on; fourth time, green-blue light on; fifth time, blue light on; sixth time, blue-red light on. Press Enter button for the seventh time, underwater light enters into different colors changing in sequence.


The underwater light cycles in this sequence: red, red-green, green, green-blue, blue and blue-red.

Press Enter button for the eighth time to deactivate underwater light.


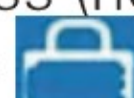
Inlet air function display



When  icon is directing at  functional icon, press Enter button, massage pump A starts running. Meanwhile, one inlet valve is open and inlet air parameter displays 1. Press Enter button from 2nd to 4th time, two to four inlet valves are open and inlet air parameter display 2 to 4. Press Enter button in 5th time, inlet valve is open in sequence for every 3 seconds and inlet air parameter display 5. Press Enter button in 6th time, all inlet valves are open for every 2 seconds and close for every 1 second and inlet air parameter display 6. Press Enter button for the 7th times, all the inlet valves close and no parameter display, but massage pump keeps running.

The inlet air function cycles in this sequence: one valve, two valves, three valves, four valves, three valves, two valves and one valve.

(Note: If water level in the bathtub does not reach the position for the water level sensor, there is no any response by pressing  icon.)

LOCK DISPLAY

When the display panel is on non-operational phase for 30 seconds, the panel will be locked automatically. Meanwhile, LCD screen display lock indicator icon  on the top right corner. Then no response is from the panel by any short press (less than 1 second). Press any icon on the display panel by long press (normally 1 second) to unlock the panel and the lock indicator icon  will disappear. Then all function buttons are on operation phase.

TIME DISPLAY: When the display panel is on operation phase, the time display presents  for timing. System will be deactivated automatically after the system has run for 1 hour . Press power on/off button by long press to activate the system again.

Automatic drainage function: When the system is off, open the waste and the water drains out automatically. When the water level is below the position for the water level sensor, drain solenoid valve of few products is open for 30 minutes. This function requires no direct operation.

Light in the front panel for few products: When the system is activated, light in the front panel for few products is on at the same time. As soon as the deactivation, the system and light in the front panel is off automatically. This function requires no direct operation.

Troubleshooting Instructions

Problem	Cause	Solution	Problem	Cause	Solution
The bathtub anomaly shaking and noising	<ol style="list-style-type: none"> 1.The under frame of bathtub is imbalance and/or the bolt is not tighten. 2.Screws of fixed of pump are not tightened or the clutch damper was missing. 3.Idle running on motor. 4.Motor failures. 	<ol style="list-style-type: none"> 1.Putting the tub on a level surface, leveling the tub by adjusting under frame of the tub, tightening bolt. 2.Should be 4 screws of fixed of Pump and 4 clutch damper, all bolts have to be tightened. 3.Pour more water until it over flow the sensor. 4.Contact you dealer or after-sale services department of EAGO Company. 	Chromotherapy not on	<ol style="list-style-type: none"> 1.The plug get off. 2.Control circuit board error. 	<ol style="list-style-type: none"> 1.Plug in again. 2.Contact you dealer or after-sale services department of EAGO Company.
			Some water left inside the pipe	Some models of bathtub can not drain all water out from the pipe because of its special construction.	
The pump is running, but poor jet action	<ol style="list-style-type: none"> 1.The suction net partly blocked. 2.Not adequate water level. 3.Adjusting valve of function is shut down. 4.The inlet pipe of pump exist air. 5.Other Probable Cause. 	<ol style="list-style-type: none"> 1.Take off the suction net with screwdriver. Clean it to keep the water going through smoothly. 2.Pour more water until it over flow the sensor. 3.Open the adjusting valve of function. 4.a) Open the washout valve to exhaust the air inside the pipe. b) Check and tighten all connection part of the inlet pipe. c) Close the washout valve properly. 5.The water pipe and air pipe may be mixed up. Please contact the professional technician to fix it. 			
Water pump not operate	<ol style="list-style-type: none"> 1.The voltage is unusual or the power is out. 2.The fuse blew out or the earth leakage circuit-breaker is OFF. 3.Nothing appears on the panel screen. 4.No signal from the water level sensor. 	<ol style="list-style-type: none"> 1.Plug the power cable into an electrical outlet. Make sure the switch is in "ON" position. 2.The fuse or the earth leakage circuit-breaker should be checked or repaired by a professional electrician. 3.Contact you dealer or after-sale services department of EAGO Company. 4.Pour more water until it over flow the sensor. 			

ARIEL

500 West Warner Avenue, Santa Ana, CA

ArielBath.com | AtlasUSA.net

Email: sales@arelbath.com | Phone: 1-714-622-1565