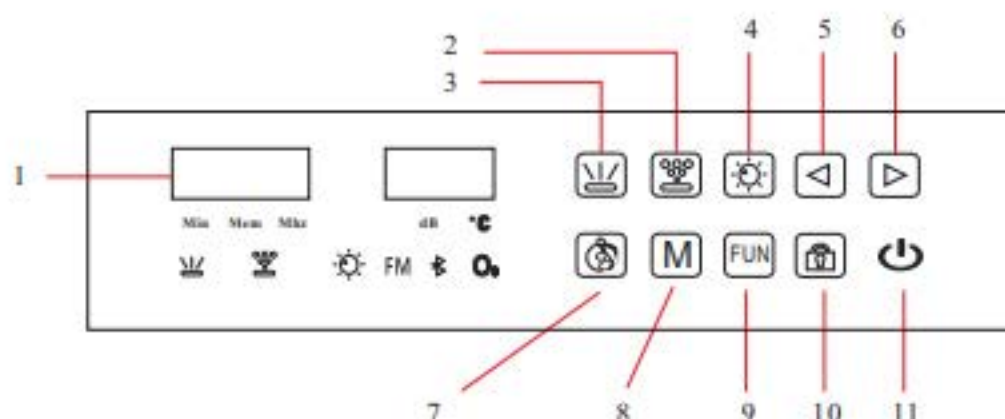


Operation Manual of Control System

H2208BTV



1.	Display Area	7.	FM/bluetooth
2.	Air Pump	8.	FM Channel Save
3.	Water Pump	9.	FUN Key
4.	Lighting	10.	Locking Key
5.	Minus Key	11.	OFF/ON
6.	Add Key		


Function

1.	Water Pump	2.	Atr Pump
3.	Lighting	4.	FM/Bluetooth music player
5.	Ozone		


Operation guide

On/Off


1. start the system


Shortly press the button  to start the system, the display area will shows the current temperature.

2. turn off

When the system is on, it will auto turn off in one hour. If have the operation, it will reset time for 1 hour. When the system is on, shortly press the button  to turn off the system. If there is no operation after the system is on, it will auto turn off in two minute.




Water Pump

Shortly press the button  to turn on or turn off the water pump function.

When the water pump is on, if the bathtub is full of water, the button  will be lighted and the water pump works. If the bathtub lacks of water, the water pump will stop and the back-light of the button will flashes. If the bathtub is full water again, the water pump works again.



Air Pump

On/Off



When the bathtub is full of water, shortly press the button  to turn on the air pump. The backlight of the button will be lit .The air pump will start with the maximum wind and will change to Level 3 in 2 seconds. Shortly press the button  again can turn off the air pump. When the air pump is on, if the bathtub change to less of water, the air pump will be auto off. When the bathtub works in lack of water condition, The back-light of the button  will be lit, The air pump will turn off in 5 minutes after starting with maximum wind for 10 grade. It will turn off the air pump with water


again in 5 minutes.




Thermostat

The thermostat function is restricted by the water pump function. When water pump function is off, the thermostat function is invalid. When the water pump is shut off the thermostat function will be off. When the bathtub is full of water and water pump function is on, shortly press the button  to open the thermostat function. After thermostat function is on the icon  is bright. Shortly press the button again can turn off the thermostat heating.

When the thermostat function is on, if the water temperature is 1 degree C lower than the setting temperature, the thermostat heater will be auto heating until the water temperature is higher than or equal to the setting temperature. At this time the heater will stop heating.

The flashing icon  show the setting thermostat temperature ,after two seconds showed the setting temperature, it will showed the current temperature, the icon  is bright always.


If the bathtub lacks of water and the thermostat function is on, the heater will stop heating. The back-light of the button  will flashes alternately. If the system detects full water again and water pump is on, the heater will be auto heating again.

When the thermostat function is on. The first time shortly press  to enter the setting of the thermostat temperature, the icon  is flashing and show it on the display area. At this time press the button  or


|<| to adjust the thermostat temperature.

The range is, from 25 to 45 degree C.


Lighting

Generally, lights starts and closes with the system. You can shortly press the button  to turn on or turn off the lights.


Radio

The first time shortly press the audio switch key  to turn on the radio and the display area will shows the current radio channel. Icon **FM** is bright.

The second time shortly press the button  and enter the Bluetooth station .

Icon  is bright and the **FM** is dark. The third time shortly press the audio switch key to close the radio and Bluetooth function.

When system is on, at this time press the button |>| or |<| to adjust the volume. |>| is for louder volume, |<| is for smaller volume.




Pressing the icon  until to the flashing **Mhz** appear, press the button |>| or |<| to adjust the radio channel. Shortly press icon |>| for next channel, or |<| for last channel .Long press |>| for 1.5second to search the next channel , or |<|to search the last channel.










The range is :87.5 MHz-108.0MHz.

When the radio function is on ,press key MEM for 1.5 second to save the channel, Shortly press MEM to exchange the channel, range 1-10.


Bluetooth Music Player

Connect and play

When system is on for 5 seconds, use the bluetooth function on your smart device to search the bluetooth of the bathtub. And it will auto disconnect for off-system in 10 seconds. Shortly press  to exchange to Bluetooth music player and the icon  is bright. If it doesn't connect, the icon  is flashing. It will appear bt.f character. If it connect successfully, the icon is bright steady, and show bt character.


when bluetooth is playing, shortly press the button  or  to adjust the volume. Icon  is for louder volume,  is for smaller volume. Shortly press the icon  until to the flashing **Mhz** appear, press the button  or  to adjust the music, Shortly press icon  for next song, or  for last song.

Bluetooth music player instructions:

- A. Connect the smart device to Bluetooth 5 seconds after the system is on;
- B. After successful connecting, open the music player on mobile phone, play the song;
- C. Shortly press the icon  to exchange to the Bluetooth music function.
- D. If it shows bt.f on display area when the Bluetooth is on, it fail to connect and please re-connect.

Panel Lock and Unlock

If there is no operation 30 seconds or press the SET/Lock Key 1.5

seconds, the panel is locked and all key is invalid. Shortly press  to unlock.



O₃ function


It will auto start the O₃ function 30 seconds after turning off the system, Icon O₃ is bright. After 10 minutes, it auto turn off, and the icon isn't bright.

If start the system when O₃ function is on, and it will stop O₃ function.

Parameters Setting

Setting Mode Choice:

When the audio is on, both  and  are used to adjust the volume, range: 0-15dB; Touching the setting on the panel, choose the parameters mode. The operation is as below: The first time to press the setting key to control thermostat temperature, the screen shows the setting degree C. Icon °C is flashing. (please skip this step if thermostat temperature function is off.)

The second time to press the setting key to control the volume, Icon  is flashing
(Please skip this step if the FM/Bluetooth function is off.)

The third time to press the setting key to adjust the radio channel, searching channel or Bluetooth exchange songs. **Mhz** is flashing.
(Please skip this step if the FM/Bluetooth function is off.)

The fourth time to press the setting key to adjust the wind speed. The screen show the wind speed, such as L5. (Please skip this step if the wind pump is off.)

Parameters Setting:

1. Adjust channel: Enter to the frequency adjust station, press the "add or reduce" key to control the frequency; Long press "the add and reduce" key to the searching channel station.
2. Volume: The range of volume is 1-10 grades.
3. Adjust/ search channel: When adjust the channel, shortly press |▷| to add 0.1MHz, shortly press |◁| to reduce 0.1MHz. When search the channel, long press |◁| 1.5 seconds to search upward channel, long press |▷| 1.5 seconds to search downward channel, it will stop until searching the valid channel.
4. Wind speed adjust: Enter to adjust the speed of wind pump, touching the "add or reduce" key to control the speed up or down. The range is 1-10 grade.
5. Thermostat Temperature adjust: Enter to adjust thermostat temperature station, touching the "add or reduce" key to increase or reduce the thermostat temperature. The range is 25-45 degree C.

Technical parameters:

Rated Working condition and characteristic				
Rated voltage	AC110V	Frequency	50Hz	
Rated current	15.7A	Rated power	3450W	
Insulation resistance	>20MΩ	Water proof	IPX5	
Load parameters				
Loads	Rated voltage	Frequency	Rated power	Other
Thermostat	AC 110V	50Hz	2KW	—
Water Pump	AC 110V	50Hz	1KW	—
Air Pump	AC 110V	50Hz	400W	—
Light	DC 12V	50Hz	10W	—
Ozone	DC 12V	50Hz	6W	—
Speaker			8Ω/10W	—

Control panel size	
Control panel	Length * Width = 120*75 (mm)
Control box	Length * Width * Height = 275 * 218 * 92(mm)

Problem Code	Problem Name	Problem Reason	Trouble Checking
E16	Temperature probe failure	A.No connecting the temperature probe B.Temperature probe is open circuit.	A.Check if it is connected to the temperature probe or not; B.Check the connected wire of probe,if doesn't connect please exchange the new temperature probe
E17	Temperature probe short circuit	Temperature Probe is short circuit	A.Exchange the temperature probe; B.Check if temperature probe connection of the motor panel is short circuit or not.
Display E2 Or Control box light is bright	Communication Problem	A.The wire connect the motor box and the screen is short circuit or open circuit. B.It 's not match between display box and motor. C.The motor doesn't work or the motor communication connector broken	A.Check if right connect the computer wire; B.Check if the motor work normal or not; C.Check the motor process,if it mach with the display box?
The light of control box is not bright	Control Motor Problem	The control motor stop working or the motor power have problem	Exchange to the new control motor.