JOYONWAY
君乐美

PB554
Simplified operation
instruction

WARNING

1. Please connect power strictly accoding to the SPA power data plate.
2. Please do not turn the SPA power on until the water reaches water level line inside the tub.

WARNING

Please set time and date before using the SPA control system.
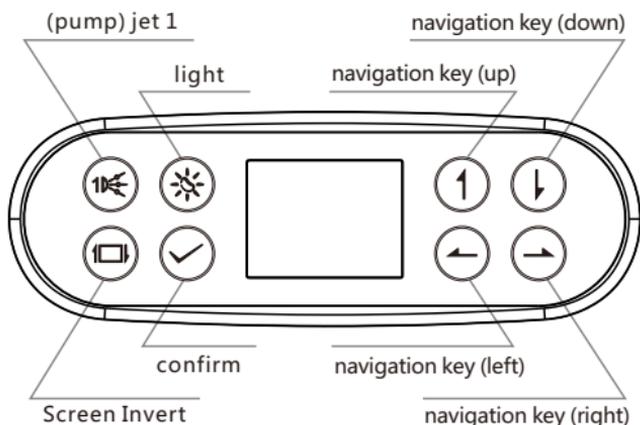
Short-cut key pump 1: (pump) jet 1

If pump 1 is single speed pump, then the key will be used to control the on and off of pump 1. If pump 1 is double speed, then keep pressing the key, it will switch from low speed pump, high speed pump to off. The sequence is low speed pump-> high speed pump-> off.

Shortcut key light:

Light has two modes. In on/off mode, pressing the key can turn on and off the light. In RGB mode, it has 9 statuses of auto color change, red, green, yellow, blue, purple, cyan, white and off. User can switch among these statues by pressing the key.

Short-cut key ofScreen Invert:

Press this key to turn the main interface upside down. And the direction of navigation key will be changed accordingly.

Press " ⊘ " in the main interface to go to the function operation interface.

In the function operation interface, the icon will be shown in bigger size if the cursor is on it. Press " ⓘ " to move the cursor to the " ⬠ " . Press " ① " to move the cursor to the selected (bigger size) icon.if cursor selects " ⬠ ", press " ⊘ " to go back to the main menu.

In the function operation interface, press " ⊖ " or " ⊖ " to move the different function icons to the middle of the screen(to select the icons). The corresponding name and working status of the function will be showed in the upside of the screen, press " ⊘ " to switch the working status of the controlled function.
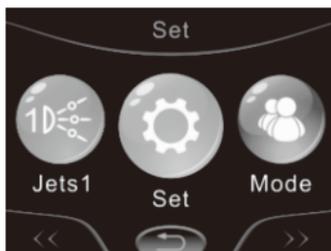
Set interface:

Move the cursor to setting icon " ⊙ " . Press " ⊘ " to enter into set interface. In the set interface, the character will be highlighted if the cursor is on it. Press " ① " or " ⓘ " to move the cursor location. Press " ⊘ " to enter into the second level interface of the chosen function or change its status.

Manual Heating:

When the manual heating function is started, there will be a heating icon " ⊛ " added in the function operation interface. User can start heating function in the function operation interface manually. When the manual heating function is turned off, the icon will disappear.
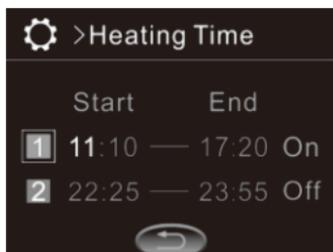
Heating time

When the green cursor is on " ① " or " ② " , press " ⊘ " to set the time period as "on" or "off" . Press "⊖" to enter into time setting. In time setting, press " ⊘ " to move the cursor. Press " ⊖ " and "⊖ " to operate time setting. Press "① " and " ⓘ " to exit the time editing and the cursor will move back to the left side. When the time setting is finished, press " ⬠ " to return and store the setting.

Attention:

all the time setting is based on the system time. So user need to keep the system time accurate before operate the time period setting.
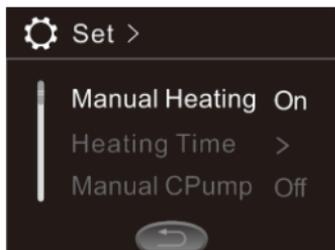
Manual Cpump

When the manual cycle pump is started, there will be a cycle pump icon "⊜" added in the function operation interface. User can start cycle pump manually in function operation interface. The icon will disappear when the manual cycle pump function is turned off.

Filter time

When the system is set in timing water cycle mode, its on/off and time setting are the same as the time setting of timing heating.

Mode

PB554 control panel can store four different modes. Mode can store the states of pump, blower, ozone, heater, and backlight brightness.

How to store the setting: In "⚙ >Mode", move the cursor to the items need to be saved and press " ⊘ " . If the square on the right side of the item is solid, then it indicates the current mode is stored.

How to select the mode stored: In "⚙ >Mode", press " ⊘ " in turn to select the stored the modes.
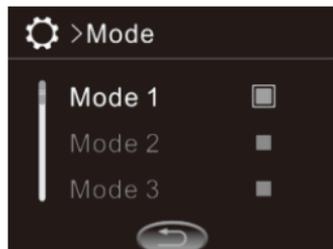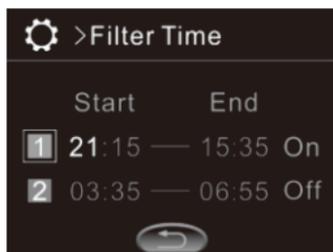
Temp. unit

Temperature unit can be set as ℃ or ℉ .

Temprature setting

The temperature setting range is 50 °F to 104 °F (10 °C to 40 °C). In Set->
Temperature, press " ⊖ " and " ⊖ " to set the value of the temperature. The
value will be automatically stored after exiting the menu.

Auto lock

The auto lock starting time can be set as "off", 30S ", "1 min" or "3min".
When the lock function is started, press continuously " ⊘ " for 3S till "Auto
lock" disappears, and the panel is unlocked. in the function operation
interface.

Ozone

OZone has two modes: auto and manual
Ozone can be set as auto start or manual start.
In manual start mode, there will be an icon
" ⑧ " added. User can start the ozone
generator manually in the function operation
interface.
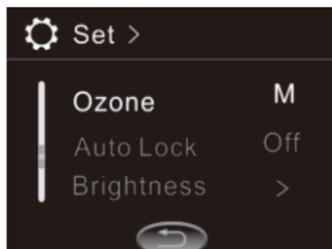
4
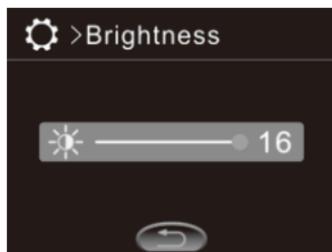
Brightness
Backlight brightness range is 1-16.

Date & time

In " ⚙ >Date & Time " , date and time can be
set. If the control system is off power, the
correct time setting can be kept for a few days.
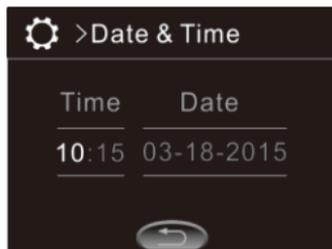
When some problems occur requiring users' attention, the alarming information will be displayed on the control panel. If several problems occur at the same time, the alarming information will be displayed in turn. Below is an example:

Below is the detailed description of the control system alarming information:

94 °F wifi Set:102 °F

F3:TEMPERATURE IS TOO HIGH

14:28 07-01

Alarming information display position

F1:TEMPERATURE SENSOR DISCONNECTED

Temperature sensor disconnected
Control system detects the temperature sensor is disconnected. Please check the connection of temperature sensor to the system. And replace it with a new one if necessary. ower the system. If the problem remains, please contact technical support.

F2:TEMPERATURE SENSOR SHORTCIRCUIT

Temperature sensor short circuit display
Control system detects the temperature sensor is short circuited. Please check the temperature sensor and its connection. Replace it with a new one if necessary.

F3:TEMPERATURE IS TOO HIGH

Temperature is too high
Reason: the system detects the temperature sensor's temperature being too high. This can happen when the heater is on, and there is no water in the heating pipe or the water flow is too slim. Action: please ensure there is water in the SPA tub. If the problems occur frequently, please contact technical support.

F4:TEMPERATURE IS TOO LOW	**Temperature is too low** Control system detects temperature sensor's temperature being too low. Please pay attention to freezing problem.
F5:AUTO-RESET THERMOSWITCH OPEN	**Auto reset thermo switch open** It indicates that the heating pipe temperature is too high. This may happen when heater is started and there is no water in heating pipe or water flow is too slim. Action: Please ensure there is water in the SPA tub. If the problem occurs frequently, please contact for technical support.
F6:MANUAL-RESET THERMOSWITCH OPEN	**Manual-reset thermo switch open** It indicates the heating pipe temperature is too high. Please contact technical support.
F8:EEPROM(MEMORY) ERROR	**Eeprom (main Board Memory) Error** Please disconnect the power and wait for 10 seconds to repower the system. If the problem remains, please contact technical support.
F9:SYSTEM SETTINGS ERROR	**System setting error display** Reason: After power connection, the system reads the system configuration verification to be incorrect from EEPROM (main board memory). Action: please disconnect the power and wait for 10 seconds to repower the system. If the problem remains, please contact technical support.

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