JOYONWAY

PB565
Simpliþed operation instruction
简易操作说明书

JOYONWAY

V1.0　　English/中文

⚠️ 警告

1. 请严格按照SPA接线图连接电源。

2. 在水位达到缸内水位标线之前请不要启动
   SPA控制器。

⚠️ 警告

在使用SPA控制器之前请先

设置日期和时间。

温度单位

轻触温度单位菜单可以把温度单位设置成℃（摄氏度）或℉（华氏度）。

温度设置

预设温度范围为50℉～104℉（10℃~40℃）。在Set/Heating/Temperature菜单中，通过上滑或下滑可设置温度的大小，轻触左上角" ❮ "标志退出菜单后设置温度将会自动保存。

手动恒温

当手动恒温功能开启时功能操作界面下会增加一个恒温" 🌱 "选项，用户可以在功能操作界面下手动开启恒温器，当手动恒温功能关闭时该选项消失。

在主界面的功能操作区域可以通过向左或向右滑动切换不同的功能页，然后轻触功能图标可以改变该功能的状态或者进入对应的功能。

设置界面

把功能操作页面切换到最后一页，找到" ⚙ "图标，轻触该图标系统将进入设置界面。在设置界面中，可以通过向上或向下滑动切换不同的设置菜单，轻触对应的菜单可以改变该功能的状态或者进入下一级菜单。轻触左上角" ❮ "标志退出设置界面。

定时恒温及时间设置

恒温功能有两个时间段，分别是Heating Time1和Heating Time2，分别轻触对应的菜单进入。轻触对应的时间可以对该时间进行设置，通过上滑或下滑可以改变时间，轻触时间段符号可以打开或关闭该时间段，该符号中心镂空代表时间段关闭，中心填充绿色底纹表示时间段打开。轻触左上角" ❮ "标志退出菜单后设置的时间将会自动保存。

手动水循环

手动水循环功能开启时功能操作界面会增加一个循环泵"　　"选项，用户可以在功能操作界面下手动开启循环泵。当手动水循环功能关闭时该选型会消失。

臭氧消毒功能

臭氧消毒有自动模式和手动模式。
可以把臭氧消毒功能设置为自动开启模式（Auto）或者手动开启模式（Manual）。手动模式开启时功能操作界面会增加一个臭氧消毒"　　"选项，用户可以在功能操作界面下手动开启臭氧发生器。

定时水循环及过滤时间设置

当控制系统设置为定时水循环模式时，定时水循环和定时恒温的开关和时间段的设置在操作办法是一样的。

日期和时间设定

在Set/General/Date菜单中，轻触对应的日期可以对该日期进行设置，通过上滑或下滑可以改变日期，轻触左上角"＜"标志退出菜单后设置的日期将会自动保存。

在Set/General/Time菜单中，轻触对应的时间可以对该时间进行设置，通过上滑或下滑可以改变时间，轻触左上角"＜"标志退出菜单后设置的时间将会自动保存。
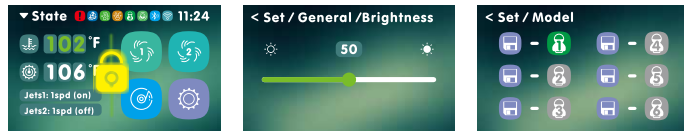
童锁保护功能

可以把保护锁启动时间可以设定为"Off"、"30s"、"1min"、"3min"， 保护锁功能启动时， 长按屏幕任何地方3S直到"Auto lock"提示框消失，表示保护锁功能取消。

背光设定

背光亮度调节范围1~16。

情景模式

PB565控制面板有6种不同的情景模式，情景模式可以保存水泵（ＪＥＴＳ）、气泡泵（Ｂｌｏwer）、臭氧消毒（Ozone）、恒温加热（Heat）、水底灯（Light）等负载的状态。
如何保存：轻触对应情景模式右侧的"　　"保存图标即可保存当前的状态，保存后图标变成蓝色。
如何调出：轻触对应情景模式左侧的"　　"数字图标即可调出对应的情景模式，调出后该图标变成绿色。

```
< Set
  Wifi              On
  Language       English
  About             >
  Reset set         >
```

WIFI

当控制器连接有wifi模块时， 在Set菜单可以找到wifi 选项。

wifi收发器一共有3种状态"OFF"、"AP"、"Sta"。

wifi模式可以强制设置为 AP 或 OFF， 而不能强制设置为"Sta"模式，但当wifi收发器成功连接到路由器时，控制系统会将WIFI模式自动设置为Sta。

如果 wifi 模式被强制配置为AP模式时，wifi收发器会断开连接，并忘记已连接的网络。如果wifi模式被强制配置为OFF模式时，wifi收发器会停止工作。

重置app登录密码：忘记app登录密码时可以通过控制面板重置密码"Joyonway"。在wifi收发器处于OFF模式时长按" 🛜 "键，wifi状态显示为"CLN"，几秒钟后wifi状态显示为"AP"，说明密码重置成功。

Wifi连接操作方法参考SPA APP使用说明。

控制系统发生一些需要用户注意的状态时，控制面板会将状态的警告信息显示在控制面板上，如果有几种需要显示的信息同时存在，这些信息会轮流切换显示。

以下是这些信息显示时的显示屏状态, 如图:

```
▼ State 🔴🔵🟢🟡🟠🔵🟣🟡 11:24

   F3:WATER FLOW
     ABNORMAL

Jets2: 1spd (off)
```
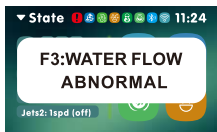
◀ 警告信息显示位置

F1:TEMPERATURE SENSOR DISCONNECTED	温度传感器断开 控制系统检测到温度传感器未连接。请检查温度传感器及其连接，必要时更换。
F2:TEMPERATURE SENSOR SHORTCIRCUIT	温度传感器短路 控制系统检测到温度传感器短路。检查温度传感器及其连接，必要时更换。
F3:WATER FLOW ABNORMAL	水流异常 控制系统检测到温度传感器的温度过高。在恒温器启动时，当加热管中无水或水流较小时就可能出现此信息。 措施：请保证SPA 缸中有足够的水量且加热循环管路通畅
F4:TEMPERATURE IS TOO LOW	温度过低 控制系统检测到温度传感器的温度太低。请注意防冻。
F5:WATER FLOW ABNORMAL	水流异常 控制系统检测到温度传感器的温度太高，使自动恢复过热保护器跳开。在恒温器启动时，当加热管中无水或水流较小时就可能出现此信息。 措施：请保证SPA 缸中有足够的水量且加热循环管路通畅
F6:MANUAL-RESET THERMOSWITCH OPEN	手动复位热敏开关 加热管上的MANUAL-RESET THERMOSWITCH打开了，表示加热管的温度非常高。请联系服务商或生产商。

F8:EEPROM(MEMORY) ERROR	**主板存储器（EEPROM）错误** 控制系统在上电后判断主板存储器（EEPROM）错误。请关闭电源等待10秒钟后重新上电，如果再次出现此信息，请联系服务商或生产商。
F9:SYSTEM SETTINGS ERROR	**系统设置错误** 原因：控制系统在上电后从主板存储器读取的系统配置项校验不正确。措施：请关闭电源等待**10**秒钟后重新上电，如果再次出现此信息，请联系服务商或生产商。
F10:COMMUNICATION ERROR	**控制面板与主机不能通讯** 原因：控制面板与主机不能交换信息。措施：请关闭电源，检查控制面板与主机的线路连接是否良好，连接件是否结合紧密，确认后上电，如不能消除此故障，请联系服务商或生产商。

⚠ 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.
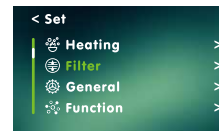
In the function operation area of the main interface, slide left or right to switch to different pages. Then touch sightly the function icon to change its state or enter the next level interface of the state.

Set interface

In function operation interface, switch to the last page, and find " ◎ ". Touch slightly ""to enter set interface. In set interface, slide up and down to switch to different set menus. Touch a menu to change the state of that function or enter its next level interface Touch " < "on the upper left corner to exit set interface.

7 8

< Set / Heating
- Temp.Unit   °F
- Heating Mode   N
- Heating Time1   >
- Heating Time2   >
- Model

< Set/Heating/Temperature
063
064 °F
065

State 11:24
102 °F
106 °C
Jets1: 1spd (on)
Jets2: 1spd (off)

Temp. unit
Temperature unit can be set as ℃ or ℉ .

Temperature set
The temperature setting range is 50℉ -140℉ (10 ℃-40 ℃). In set/heating/temperature menu, slide up or down to set the temperature value. Touch the " < "on the upper left corner to exit menu and the setting will be saved.

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.

< Set / Heating
- Temp.Unit   °F
- Heating Mode   N
- Heating Time1   >
- Heating Time2   >
- Model

< Set /Heating/Heating Time1
Start   End
① 08 : 20 ~ 09 : 50

< Set /Heating/Heating Time2
Start   End
② 15 : 20 ~ 16 : 50

Heating timer set
There are two heating time periods, Heating Time 1 and Heating Time 2. Touch slightly the time character for setting. Slide up and down to change the time. Touch slightly the time period number to enable or disable the time period. When the time period number is hollow, it indicates the time period is off. When the time period number is with green shading, it means that time period is on. Touch " < "to exit and save the setting.

State 11:24
102 °F
106 °C
Jets1: 1spd (on)
Jets2: 1spd (off)

State 11:24
102 °F
106 °F
Jets1: 1spd (on)
Jets2: 1spd (off)

< Set /Filter Time/Filter Time2
Start   End
② 08 : 20 ~ 09 : 50

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.

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 " " added. User can start the ozone generator manually in the function operation interface.
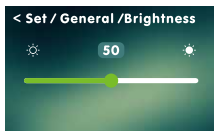
Filter time
When the system is set in timing water cycle mode, its on/off and time setting are the same as the time setting of timing heating.

< Set
- Heating   >
- Filter   >
- General   >
- Function   >

< Set / General /Date
Date 08 - 20 - 2021
D   M   Y

< Set / General /Time
Time 08 : 20   24

Date and time set
In Set/General/Date menu, touch slightly the corresponding characters to set the date. Slide up and down to change the date, touch " < "to exit and save the setting.
In Set/General/Time menu, touch slightly the corresponding characters to set the time. Slide up and down to change the time, touch " < "to exit and save the setting.

< State 🔒⚓🔵🟢🔴⚫⚪ 11:24

⚓ **102** °F
🌡 **106** °F

Jets1: 1spd (on)
Jets2: 1spd (off)

< Set / General /Brightness

☀ ──────●──── 50 ☀

< Set / Model

💾 − 🟢   💾 − ⚫
💾 − ⚫   💾 − ⚫
💾 − 🔵   💾 − ⚫

< Set

📶 **Wifi**   **On**
🌐 **Language**   **English**
ⓘ **About**   **>**
⟳ **Reset set**   **>**

Chrildren lock

Chrildren lock timeout can be set as off, 30 seconds, 1 minute or 3 minutes. When chrildren lock is enabled, touch any area on the screen for 3 seconds until Auto lock disapprears, then chrildren lock is disabled.

Brightness

Backlight brightness range is 1-16.

Mode

PB565 control panel has 6 different modes. Mode can save the state of loads like pump, blower, ozone, heater, and light, etc.

How to save a mode: touch slightly " 💾 " on the right side of the mode to save the current state. The icon will turn blue when saved.

How to call up a mode: touch slightly " 🟢 " on the left side of the mode to call up a mode. The icon will turn green when called up.

Wifi

When the control system is connected with a Wifi module, in the Set -> of the menu, there will be Wifi.

Wifi transceiver has three states: "OFF", "AP", and "Sta".

Wifi mode can be compulsively set as AP or OFF. But it can not be set as Sta mode compulsively. When the wifi transceiver is connected to a router, the system will automatically set the wifi mode as Sta.

When the Wifi mode is compulsively set as AP, the wifi transceiver will be automatically disconnected and the connected the Wifi will be forgotten. When users compulsively set the wifi mode as OFF, wifi transceiver will stop working.

Reset the APP login password: when users forget APP login password, they can reset the password on the panel to the factory default "Joyonway".

When the wifi transceiver is on OFF mode, pressing'" 📶 ", Wifi state will be displayed as "clean". After a few seconds, when Wifi state is switched to "AP", it indicates the password is successfully reset. For Wifi connection and operation method, please refer to SPA APP manual instruction.

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:

11 **12**

▼ State 🔒⚓🔵🟢🔴⚫⚪ 11:24

F3:WATER FLOW ABNORMAL

Jets2: 1spd (off)
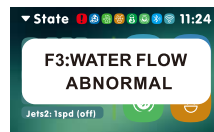
Alarming information display position

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. 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:WATER FLOW ABNORMAL

Water Flow Abnormal
The control system detects high temperature.
When the heater is started, and there is no water or the water flow is too slim , this error code may appear.
Action: please ensure that there is enough water in the SPA tub and the heating circulation route is unobstructed.

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:WATER FLOW ABNORMAL

Water flow abnormal
The control system detects over temperature , which activated the automatic recovery overheat protector.
When the heater is started, and there is no water or the water flow is too slim, this error code may appear.
Action: please ensure that there is enough water in the SPA tub and the heating circulation route is unobstructed.

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.

F10:COMMUNICATION ERROR

The control panel can not communicate with control box
Reason: the control panel can not exchange information with control box. Action: please turn off the power, and check if the cable connection between and control panel and control box is all in good condition, and the connectors are tightly connected. If yes, please turn on the power, if the error remains,please contact technical support.