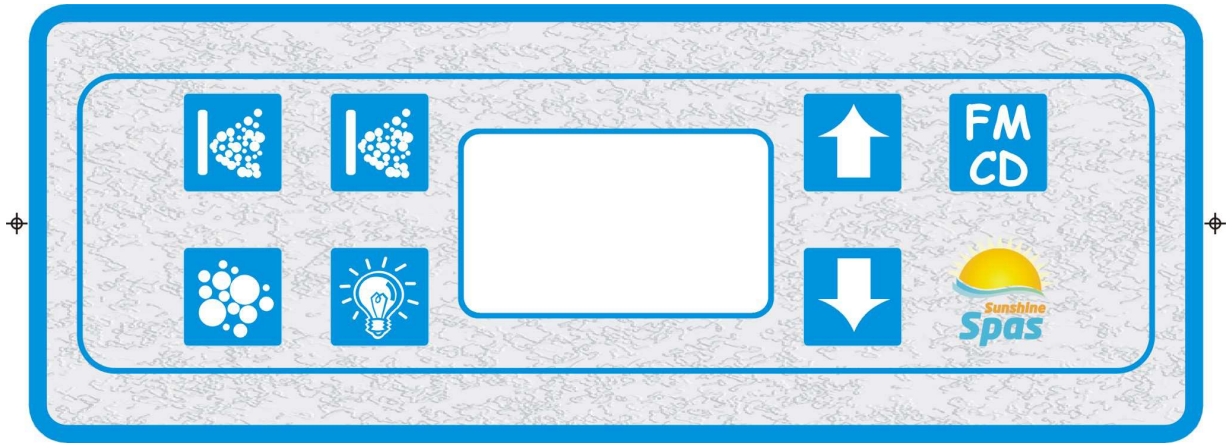









Manual directory V700 controller

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I The operational guidelines

1: Key notes





| key | instructions | key | instructions |
|---|----------------|---|--------------|
|  | Surfing PUMP 1 |  | UP |
|  | Surfing PUMP 2 |  | DOWN |
|  | Air pump |  | Radio / CD |
|  | Pool lights |  | Program key |

2: Icon Help functions

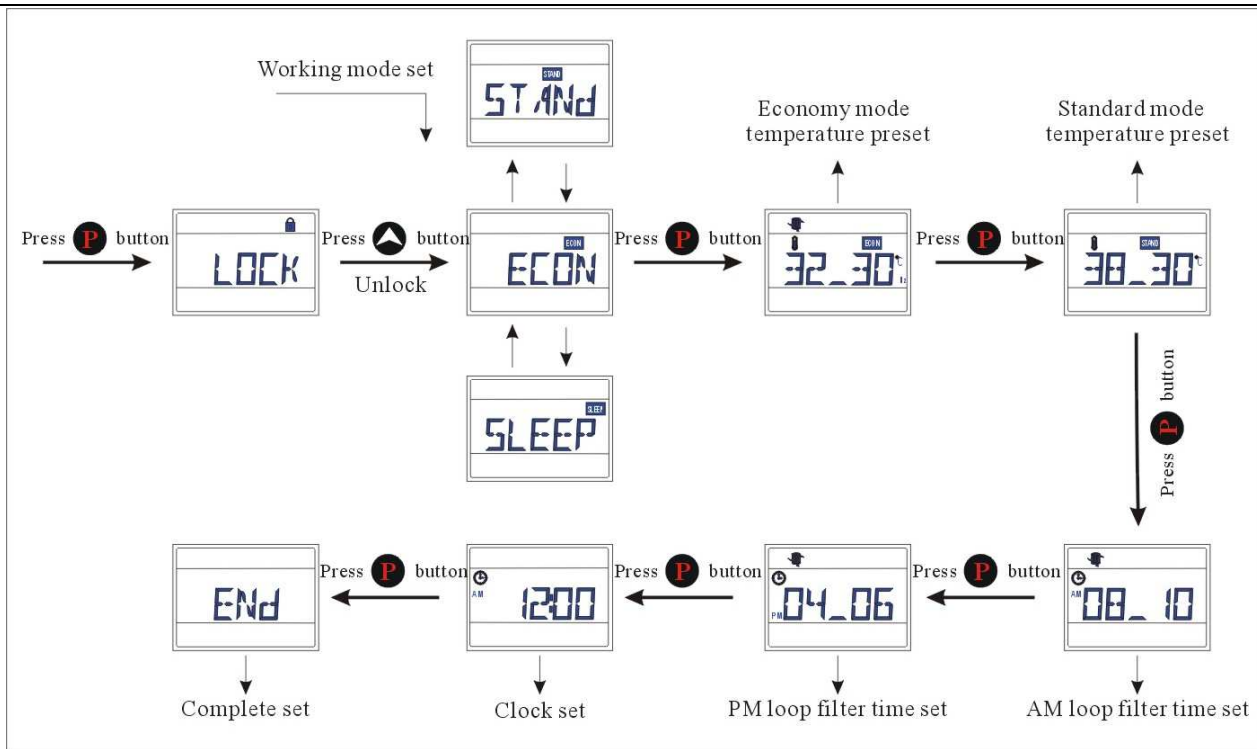


Tips:

- 1 When the button panel has a large covered with water, the key will be automatically locked. Hand or rag and clean water, the key will automatically restore function.
- 2 All part of the icon flashing, figures can change the  button or the  button and settings.

II System settings

Settings flow chart:



1、 Standard mode, economy mode and sleep mode is set

- a Press "  " button, LCD display "LOCK" (panel lock) screen, as shown Figure 1.



Figure 1



Figure 2




- b In the "LOCK" screen, press "" button, open the panel locks into the SPA standard mode, economy mode and sleep mode settings screen, press "" button or "" button on the standard mode, economy mode and sleep mode to choose.




Figure 3



Figure 4

- c Figure 2 shows that the current SPA for the standard mode. Standard mode, the heater automatically start and heated to a preset temperature.

- d Figure 3 shows that the current SPA for the economic mode. Economic mode, the time in the water heater automatically start and finally heated to preset temperature, that is the economic model only in the water heater will not start until time and heat.
- e In Figure 4, indicating that the current SPA for the sleep mode. Sleep mode, when the water temperature maintained at 10 °C and 10 °C above heater has been in a dormant off; when the water temperature below 10 °C, the system automatically open the heater and heated to 13 °C (cooling protection, anti-icing), At the same time close the heater.
- f Wait for 30 seconds out of work mode is set to automatically screen, or press "  " button to save and enter the economic model the temperature setting screen.

2、Economic model of temperature settings

- a Into the economic model of the temperature setting screen, as shown Figure 5.

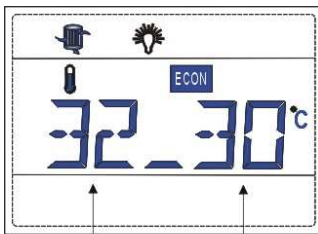


Figure 5

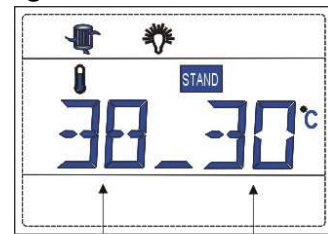








Figure 6

- b Press "  " button or "  " button to set the temperature required for the economy mode (blinking digital part), temperature pre-set range is 20 °C ~ 32 °C.
- c Wait for 30 seconds from the economy mode of temperature settings screen, or press "  " button to save and enter the standard mode the temperature setting screen.

3、Standard mode of temperature settings

- a Into the standard mode temperature settings screen, as shown Figure 6.
- b Press "  " button or "  " button to set the temperature required for the standard mode,, temperature pre-set range is 20 °C ~ 42 °C.
- 3) To wait for 30 seconds out of the standard model of the temperature setting screen, or press "  " button to save and enter the circulation and filtering time is set every morning at the screen.

4、Filter cycle time settings per day

Regular daily water cycle, filter factory set as follows: the morning "8AM ~ 10AM", the afternoon "4PM ~ 6PM", time setting range: 1 ~ 12 hours. No matter what operating mode, the system

regularly every day for water circulation and filtration, if you want to change the settings, according to the following steps:



- a Into the loop filter time every morning to set the screen, as shown Figure 7.







Figure 7



Figure 8


- b Press "" button or "" button to set the morning of the first cycle of filtering a time, the first time must be less than or equal to a second time.

- c Press "" button to enter the morning of the second cycle of filtration time, press "" button or "" button to set the morning of the second cycle of filtration time, the second time must be greater than or equal to the first time.

- d Press "" button, enter the circulation and filtering of time every afternoon to set the screen, as shown Figure 8.

- e PM cycle time settings, such as the morning set the filtering operation described.

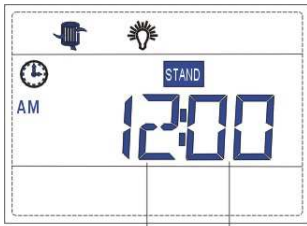
- f To wait for 30 seconds will automatically be filtered out of cycle time setting screen, or press

- "" button to save and enter the current time setting screen.

Warm Tips: The system settings pipeline automatic washing function, stranded on the pipe loop filter waste water or stains. Working procedures as follows: in the loop filter set period of time, surf pump, air pump interval of 5 seconds followed by automatically open, continuing to run 1 minute after the turn off, run once every 30 minutes.

5、Clock Set

- a Into the clock's current time setting screen, as shown Figure 9.



Hours Minutes
Figure 9

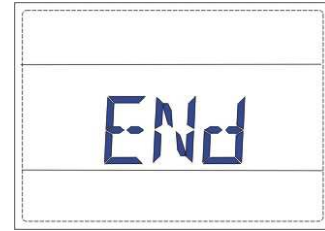












Figure 10

- b Press " " button or " " button to set the current time in hours of part (the current time for the 12-hour system), every time I press " " button or " " button to increase or decrease of 1 hour, hold down the " " button or " " button is not Fang, hours will be a continuous increase or decrease in hours adjustment range: 1 ~ 12, "AM" am, "PM" for the afternoon.

- c Press " " button to enter the current time of minutes to set, press " " button or " " button to set the current time part of the minutes, minutes, adjustable range: 0 ~ 59.

- d Set up minutes later to wait for 30 seconds will automatically exit program settings screen, or press " " button to save and complete the settings, such as shown Figure 10.

6、Cleaned filter settings





- a Press " " button, there "LOCK" screen, press " " button, enter the cleaned filter settings screen, such as shown Figure 11.




Figure 11



Figure 12

- b When you want to clean or replace the SPA-off filter may be set for the program. Press " " button or " " button to "RUN" is set to "PAUSE" on the LCD screen display Figure 12, when circulation pump will automatically stop functioning, you can safely remove or replace the filter core. 30 minutes after the circulation pump will automatically start the display from Figure 12 into Figure 11.




- c To wait for 30 seconds will automatically exit program settings screen, or press "  " button to save and complete the setup.

III The instructions of the function keys


1 Surf massage

Press  JET1 launch was a surfing pump, then shut down.

Press  JET2 was launched two pumps, then shut down. For the sake of safety, the water pump will automatically shut down after work for 1 hour.

Note: due to the circulating PUMP (PUMP) and JET1 share a two-speed PUMP water PUMP. So when open the surfing JET1 pumps, if circulating PUMP (PUMP) and heating (HATER) in the work can be immediately closed circulating PUMP (PUMP) and heating (HATER).

2 Bubble massage

Press the  button to start the air pump, and then click Close. For safety, the air pump will turn off automatically after 25 minutes started again start air pump, such as the above operation.

3 Temperature heating

Heater does not have a corresponding separate keys, its workflow processes in the system set up inside, take the following forms for the heater working procedures:

a Selection criteria, preset a good temperature to start the heater into the thermostat heating work procedures; when the water temperature to reach pre-set temperature (constant temperature), the shut down heater.

b Selected economic model, by default a good temperature, in water treatment time, start heater into the thermostat heating work procedures; when the water temperature to reach pre-set temperature (constant temperature), the shut down heater.

c Select sleep mode, when the water temperature is 10 °C, when the low, start heater and heated to 13 °C, shut down heater.

d When the water temperature falls below the preset temperature, re-start the heater, heated to a preset temperature after shut down.

e In the heating process, it is necessary first to start circulating pump, heater to start the heater stopped working for every 25 minutes interval of 5 minutes (Protection of motor), such a loop to run.

Warm Tips: In the constant temperature heating process, the system settings every 5 minutes for a period of over-water pressure testing, such as a lack of


water pressure (such as filter blockage, there is no flow of water through), turn off heaters, and then close the circulation pump, and later start the circulation pump, and so back and forth, while LCD screen showed no water pressure failure alarm.

4、 Loop filter and ozone sterilization

Circulation pump and ozone does not have a single button, the workflow processes in the system set up inside, the following conditions for the circulation pump and ozone working procedures:


- a Heated temperature when entering the work program, start circulating pump; when the temperature heating the end to close the circulating pump.
- b When entering treatment time, the circulation pump and ozone interval 5 seconds have started the cycle for water filtration and sterilization; when the water end of that period, close the circulating pump, close the ozone.
- c In water treatment time, the circulation pump stopped working for every 25 minutes interval of 5 minutes, so recycling operation; ozone followed by the working procedures of circulation pump to run, start the circulation pump, ozone was started, that is, ozone, once every 30 minutes to start (ozone injection time can be set, see the factory settings 2 above).

5、 Lantern Open

Press " " button to start the lights, and then shut down.

Warm Tips: For security, lights in the absence of cases adjust automatically close after 2 hours, once again open the lantern, as mentioned above operation.

6、 Radio Play

- a Press " " button, turn on the radio and enter the FM radio screen, as shown Figure 15.

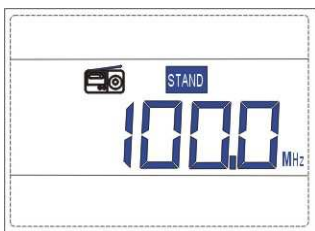







Figure 15







Figure 16


Press " " button to radio frequencies up search, every click increases the frequency 0.1MHz;
hold down the " " button, radio, automatic search radio stations gradually upward, upward search a maximum frequency of 108.0MHz.


Press " " button to radio frequency down the search, every click on lower frequency 0.1MHz;
hold down the " " button, radio gradually downward automatic search radio stations, down to the lowest frequency of 87.5MHz.


b Press " " button to enter the radio volume adjust the size of the screen, as shown Figure 16.


Every click the " " button to radio volume down large 3dB; hold down the " " button the radio volume will be a continuous increase in the maximum volume of 60dB.

Every click the " " button to radio volume down 3dB; hold down the " " button, the radio volume will be a continuous reduction in the minimum volume of 0dB.

c The size of the radio volume adjustment screen, press " " button to exit the radio regulation or wait 10 seconds out of the radio volume will automatically adjust the size of the screen.

d The size of the radio frequency or the volume adjustment screen, hold down the " " button 2 seconds, turn off the radio and switch to the CD volume adjustment screen. CD volume adjustment as described in the radio operations.

e Press " " button to exit the CD volume adjustment screen, or wait for 10 seconds will automatically withdraw from CD volume adjustment screen.

f Adjust the CD volume size of the screen, hold down the " " button 2 seconds, turn off the CD.

Warm Tips: For security, the radio or CD will automatically shut down after 2 hours to start.

IV Fault tips and troubleshooting

| No. | LCD display | Corresponding fault | Solution |
|-----|-------------|--|--|
| 1 | T_SEN | Temperature probe faulty | Replacement temperature probe |
| 2 | OVERH | SPA water temperature is higher than 42 °C , overheating | Waiting for the water temperature down to normal temperature |
| 3 | NO_PS | Through the water pressure is not enough | Cleaning filters or check the pressure on the heating device |

V Electrical parameters

| Electrical parameters of performance indicators | | | |
|---|--------------------------------|-----------------------------------|---------|
| Voltage | AC220V/50Hz | Current | 30A |
| Withstand | 1250V / 1 minute, no breakdown | | |
| Grounding resistance | <0.1Ω | Insulation resistance | ≥200MΩ |
| Waterproof grade | IPX4 | Protection against electric shock | Class I |

Notes:

the implementation of the control system for household and similar electrical appliances General requirements for safety, CE and product standards. Specific wiring or installation subject to manufacturers of electrical installation drawings;