HANSCRAFT®
european spa producer

USER MANUAL

OKA WAVE

(JOYONWAY PB565-001)

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For your own safety and the safety of your product, please observe the following instructions. Read the following information carefully and follow the user manual exactly when using the hot tub to avoid damaging the product or the risk of injury. This appliance is intended for use by children 8 years of age or older with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they are under supervision or have been instructed on the use of the product and understand the risks. Children must not play with the product. Cleaning and maintenance must not be performed by children without supervision.

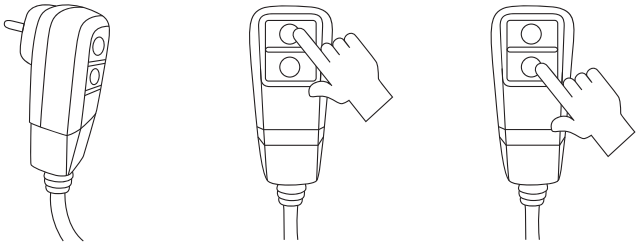
1 Hot tub performance specifications

Performance parameters

rated voltage:	**single phase 230 V 50 Hz***
maximum working current:	**1× 16 A**
current surge:	**up to 16 A**
voltage resistance:	**1 250 V/min. without breakdown**
insulation resistance:	**>= 1 M Ω**
water resistance (cover):	**IPX5**
protection against electric shock:	**first stage**

Load capacity

heating:	**1× 230 V/2 kW/9 A**
pump 1/2:	**2.2 kW/9.6 A**
total input power (depending on type of hot tub):	**2.7 kW/h (11.7 A)**
protection class:	**I.**
lighting:	**LED 12 V AC/10 W**
moisture resistant speakers:	**yes**



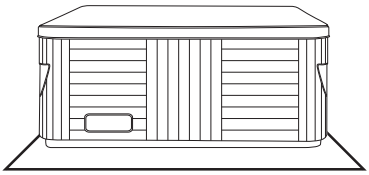
2 Hot tub installation preparation

Inspect the hot tub prior to installation! If any part is damaged or missing, contact the seller immediately! Make sure that all components are in accordance with your order. Check the hot tub before each use. In the event of damage, do not use the hot tub!. In case your spa is equipped with screwless cabinet, it is prohibited to install additional accessories or load the cabinet in a way not specified by the manufacturer. Damage caused by failure to follow this precaution is not covered by the warranty!

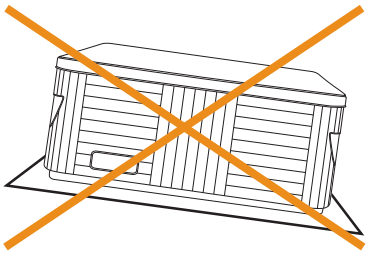
2.1 Preparation of the place for installation and connection to electricity

The hot tub must be installed on a flat and firm enough base plate with regard to the maximum load of the construction. For exterior installations we recommend a construction of a monolithic concrete base plate of minimum thickness of 10 cm. It is always necessary to pick the maximum load of the base plate with regard to the size and weight of the hot tub. Consult with your construction supervisor. The weight is adduced in the technical description of the hot tub. Hot tubs are supplied by us for an electrical connection 1× 230 V with an installed Residual Current protective Device and conductor. **Do not install the hot tub in locations where sunlight may be intensified by glazed surfaces, as this can lead to extremely high temperatures. For example, if the hot tub is placed under a glass roof or in a similar environment. Damage caused in this way is not covered by the warranty!**

YES



NO



2.2 Preparation for the interior hot tub installation

If the hot tub is installed in an interior space, it is necessary to comply with safety instructions. The basic safety requirements are mainly non-skid floors and drainage in the place of the installation in case of a water overflow. It is also crucial to keep in mind that the humidity around the hot tub will rise and can damage surrounding electric appliances. Therefore we recommend customizing the place of the installation according to these conditions. **The hot tub should always be accessible from all**

sides for future service. If it is not sufficiently accessible during the warranty period, the owner is obliged to provide this access. (Sufficient access is generally considered to be at least 60 cm from all sides of the hot tub.)

2.3 Preparation for the exterior hot tub installation

If the hot tub is installed in an exterior space, it is necessary to comply with safety instructions. The basic safety requirements are mainly non-skid floors and water drainage in case of a rainfall or water overflow from the hot tub. Therefore we recommend customizing the place of the installation according to these conditions.

3 Installation of the hot tub

3.1 General information

a) Carefully remove all the packaging material from the hot tub and position the hot tub on a beforehand selected place of installation.
b) Every hot tub is tested in real life conditions during the production process, therefore there is a possibility some technical parts of the hot tub have remained slightly dirty. We recommend you to clean the surface of the hot tub using a suitable method; lukewarm water works best for this purpose. Clean the surface using a soft cloth only. Don't use any rough abrasive means and cloths which could permanently damage the surface of the hot tub. If you decide to use a generic cleaning detergent, it cannot be aggressive towards the hot tub surface.
c) Before filling the hot tub, make sure that all the screws on the equipment are tightened to prevent water leakage.

3.2 Filling the hot tub with water

Fill the hot tub with a sufficient amount of water. The level of water in the hot tub cannot ever fall under the skimmer level. If you notice a water leak, stop the water until the defect is fixed. Hot tubs do not possess the technology for water-softening and hard water can be damaging to them. The damages caused by poor handling and upkeep are not covered by the guarantee.

a) Fill the hot tub through the skimmer to prevent the aeration of pumps.
b) Fill the hot tub with water at a temperature of 10–15 °C (50–59 °F).
c) Once the water reaches the desired level, put the cartridge filter inside the skimmer. Tilt the filter during the installation to prevent air bubbles. Only after removing the air from the filter, install the filter into place.

3.3 Running the power supply of the hot tub

If the hot tub is connected by a moving supply cable, this cable cannot come in contact with sharp objects or be exposed to external forces. Therefore we recommend putting the supply cable inside a protective case. Turn on a residual current device intended for a hot tub.

3.4 Programming of the hot tub control unit using the control panel

Now you can start the programming of the hot tub. The process is described in the chapter “Control panel”. After you are finish the programming, cover the hot tub with a thermocover and let the water temperature to stabilize. Check the water level inside the hot tub regularly.

4 Sound System

Using the Bluetooth Sound System

The sound system is ready to pair when it is not already connected to another device. To pair your device, first make sure you are close enough to the system, and that it is turned on.

1. Open the Bluetooth settings on your device. The location of the settings will depend on the device you are using.
2. In these settings, turn Bluetooth on, if it is not already.
3. Choose **JOYONWAY / H20** from the list of available devices.
4. When prompted, enter **2288 / no password** as the password. Your device should now be paired with the system, and ready to use.

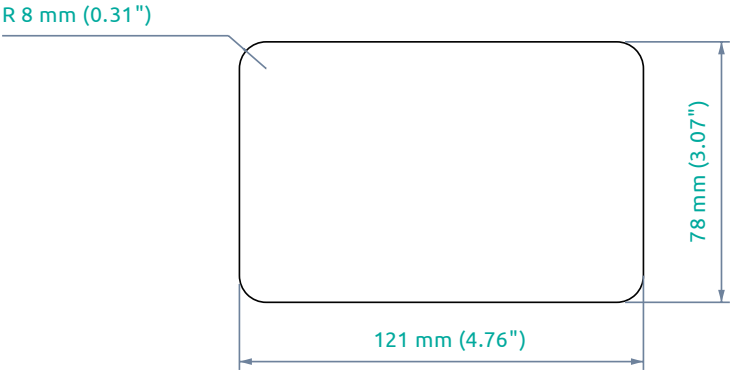
Once the pairing is done and connection has been established between the devices, the system will be ready to start playing the selected audio.If the device moves out of range and loses connection it should reconnect automatically as soon as it is close enough. This should happen without going through the menu again.

5 Control panel

5.1 Panel description, dimensions

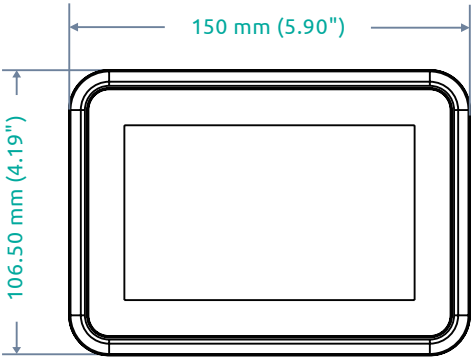
5.0 inch TFT color display screen, touch screen

PB565-001 control panel design

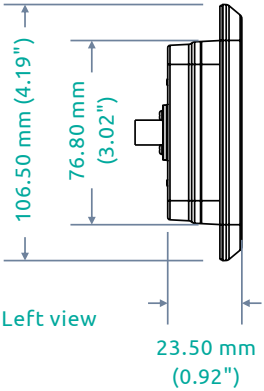


Suggested hole size

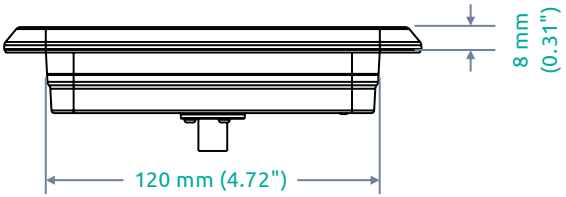
Control panel



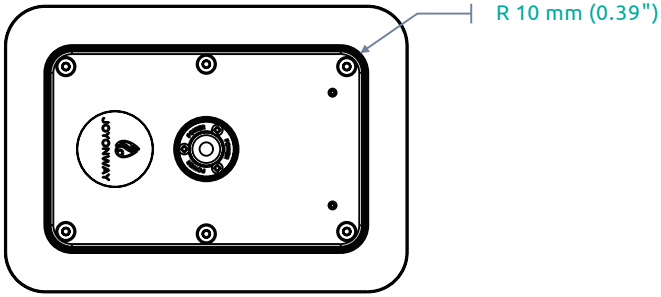
Front view



Left view

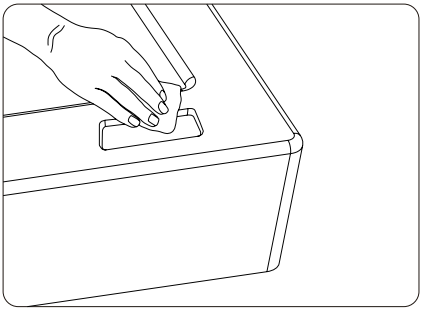


Vertical view

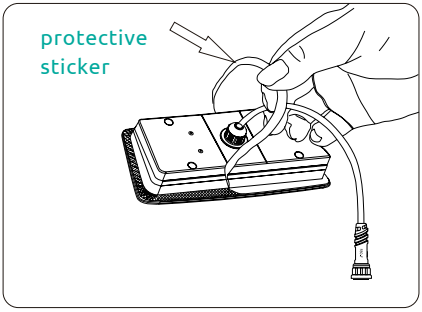


Back view

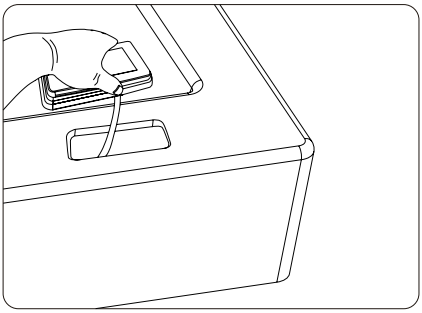
5.2 Control Panel Installation Instructions



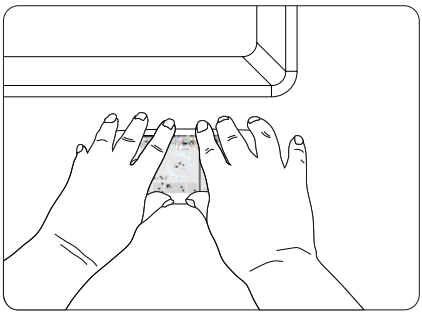
1. Make a hole in the appropriate position of the hot tub according to the size of the control panel, and clean the surrounding area of the hole, especially burrs, debris, etc., to ensure that the control panel can stick on firmly.



2. As shown in the figure, remove the adhesive protective sticker from the control panel. **Special attention:** It is strictly prohibited to touch adhesive with hands; It is prohibited to have water or other impurities from touching the adhesive surface; Install the control panel onto the tub within 60 seconds after removing the adhesive sticker.



3. As shown in the figure, after removing the with the adhesive protective sticker, install the control panel at the cleaned hole.



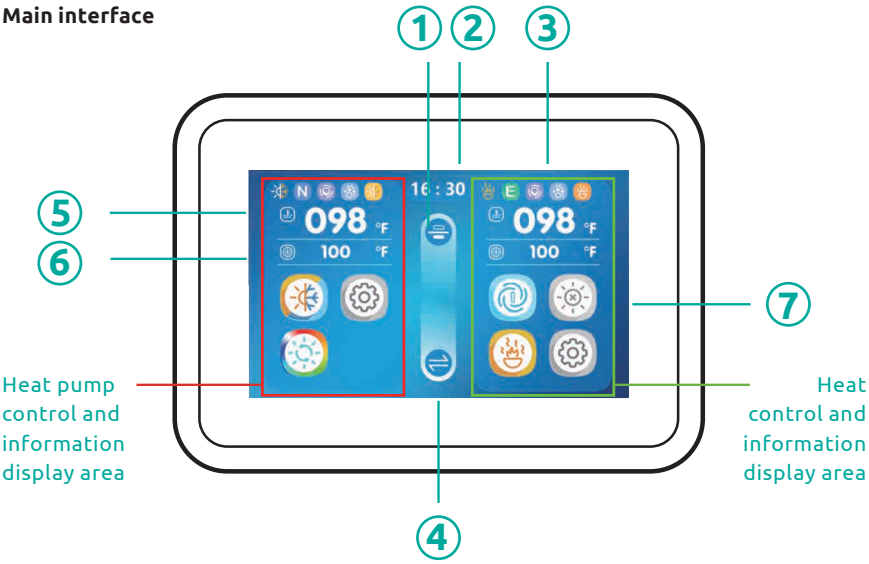
4. As shown in the figure, after the control panel is installed, press the control panel tightly with hands for 60 seconds and push the control panel back and forth for 5–10 times.

5.3 Button description

Warning

1. Please connect power by strictly following the SPA wiring diagram.
2. Please do not power on the SPA until the water level reaches the water level line inside the tub.
3. Please set the date and time before using the SPA control system.

Main interface



Extended description of the buttons on the next page...

①

Screen reverse icon

②

Current time

③

The status of the functions in operation

Ozone working

NOR mode is on

Heater working

ECO mode is on

Heat pump cooling

The circulating pump is in operation

Heat pump heating

④

The display position is mirrored interchangeably

⑤

Current water temperature (°F/°C)

⑥

Preset heating temperature (°F/°C)
Click to switch temperature units
Click to enter the temperature setting interface

⑦

Touch the function icon to change the function status or enters the function page.

Touch the function icon to change the function status or enters the function page.

The water pump will automatically shut down after working for 30 minutes.

- Pump 1
- Heat Pump
- Heat
- Ozone
- Light off
- Light on
- Settings

5.4 Wi-Fi connection and application

The control panel also has a Wi-Fi function, so you can control it safely and conveniently via the application that you can download below.

Download QR code for **Android**

Download QR code for **iPhone**

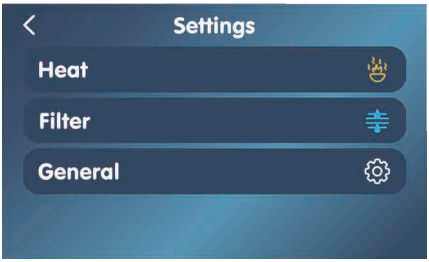
Depending on the system configuration, some of the content mentioned in this manual may not appear on your system.

5.5 How to enter the setting interface

Touch the icon to enter the setting interface.

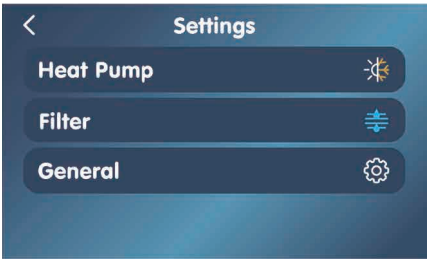
5.6 Settings

Heat Interface



1. Heat
2. Filter
3. General

Heat Pump Interface



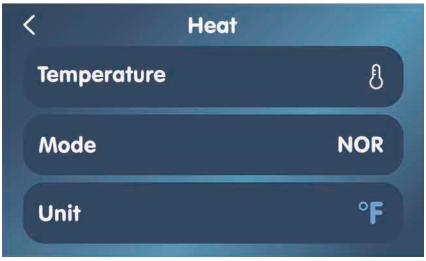
1. Heat Pump
2. Filter
3. General

Details are as follows...

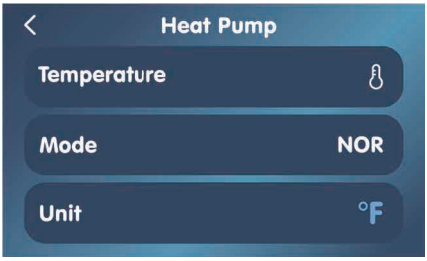
Control panel

1

Heat



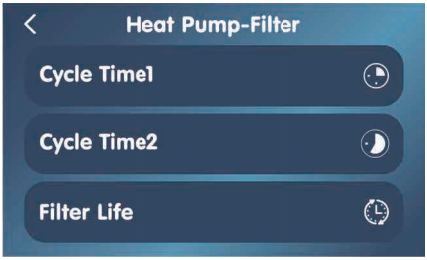
Heat Pump



2

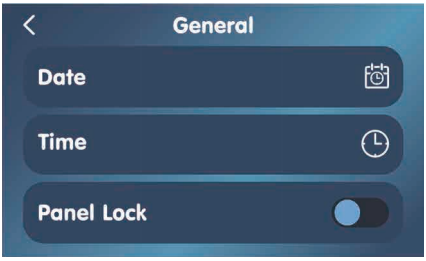
Filter

Heat Pump Filter



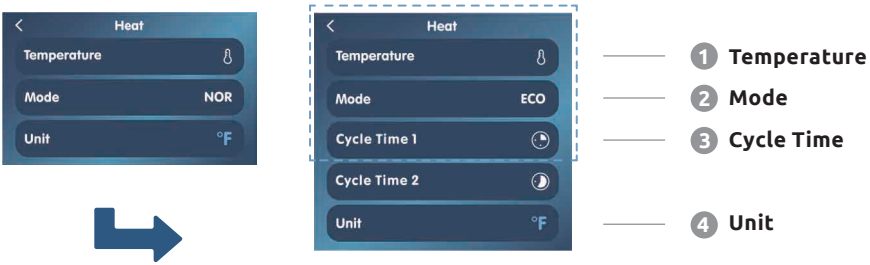
3

General



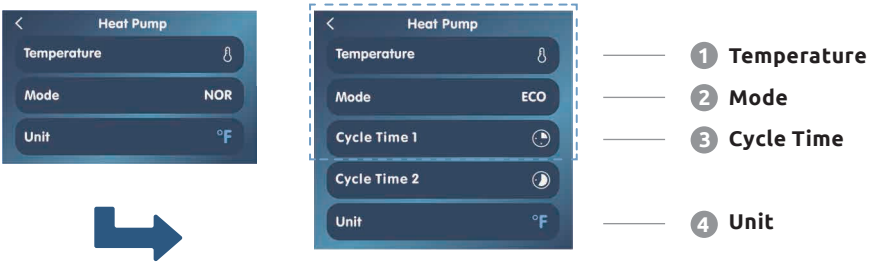
5.6.1 Settings/Heat & Heat Pump

1 Heat



Interface overview

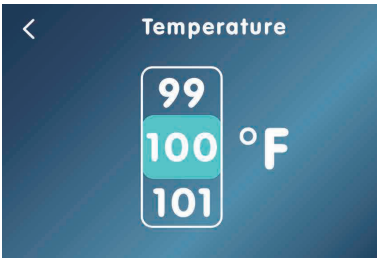
1 Heat Pump



Interface overview

Details are as follows...

1 Temperature



Adjust the preset temperature value. Find the *Temperature* function by sliding up and down. Touch *Temperature* and enter its interface. Slide white box up and down to adjust the value.

The temperature setting range is from 50 °F to 104 °F/10 °C to 40 °C. When the heating function is activated, this temperature value will be the operating target.

Control panel

2 Mode

NOR: The heating/cooling is turned on all day long.

ECO: The heating/cooling is only turned on during Cycle Time.

3 Cycle Time 1/2

How to adjust the heating time period: Slide the screen to select *Cycle Time 1* or *Cycle Time 2* to enter the interface, touch 1 to start, and then adjust the value by sliding the white box up and down.

Set the daily heating operation time period and its on or off.

1 ON: The heating will start running within the set time period everyday.

1 OFF: This time period has no effect on the heating operation.

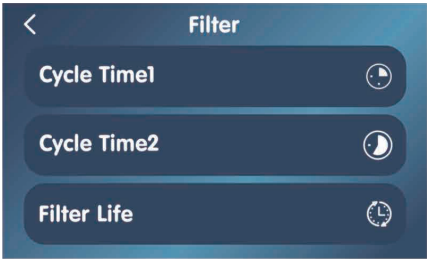
4 Unit

Find *Unit* by sliding up and down. Touch *Temperature Unit* to switch between °C/°F temperature units.

After setting the °C/°F temperature unit, all the temperature units in the system will be based on it.

5.6.2 Settings/Filter & Heat Pump Filter

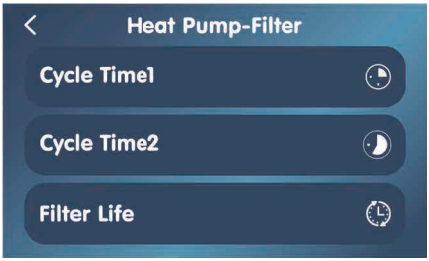
2 Filter



1 Cycle Time

2 Filter Life

2 Heat Pump Filter



1 Cycle Time

2 Filter Life

Details are as follows...

Control panel

1 Cycle Time 1/2

How to adjust the filtering time period: Slide the screen to select *Cycle Time 1* or *Cycle Time 2* to enter the interface, touch 1 to start. And then adjust the value by sliding the white box up and down.

Set the daily filtering running time period and its on and off.

1 ON: Filtering will start running within the set time period everyday.

1 OFF: This time period has no impact on the system filtering operation.

2 Filter Life

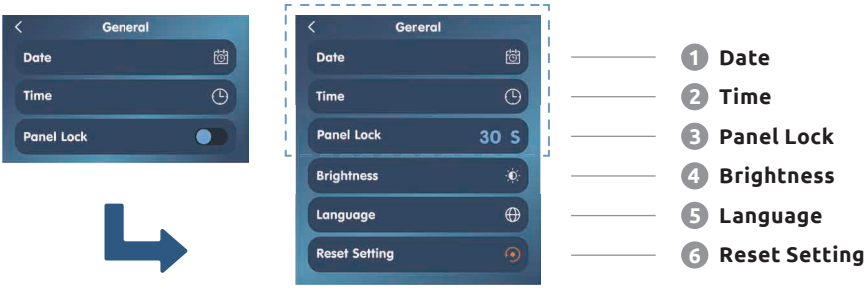
On the filter usage interface, slide the screen to select the *Filter Usage* function, and adjust the value by sliding the white box up and down. Press and hold to reset the used time to 0.

1 The number of days the filter has been used is displayed.

90 100 110 The preset usage days of the filter are displayed.

5.6.3 Settings/General

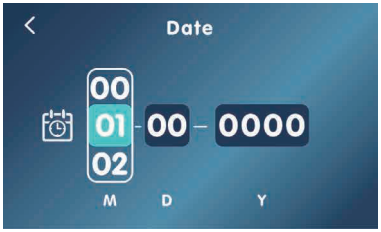
3 General



Interface overview

Details are as follows...

1 Date



Adjust the date. Touch the *Date* function to enter this interface, and then adjust the value by sliding the white box up and down.

Set the current date, and the system date will be based on this.

2 Time

Adjust the time. Touch the *Time* function to enter this interface, and then adjust the value by sliding the white box up and down.

Set the current time, and the system time will be based on this.

Control panel

3 Panel Lock

Adjust the automatic screen lock time. Touch the *Panel Lock* funciton to cycle through /30 S/ 1 M/3 M.

Automatic screen lock turned off.

30 S When it reaches 30 seconds without operating on the system, the screen will be locked.

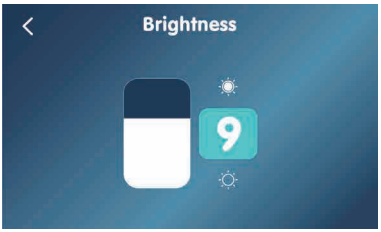
1 M When it reaches 1 minute without operating on the system, the screen will be locked.

3 M When it reaches 3 minute without operating on the system, the screen will be locked.

When locked, the screen brightness decreases and the icon appears on the screen, and the functions cannot be controlled by touches .

Unlocking the screen: When the screen is locked, press on the screen and slide to unlock it.

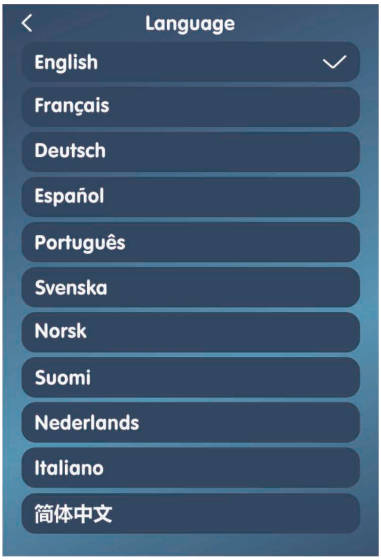
4 Brightness



Adjust the screen brightness: press *Brightness* to enter this interface, and then adjust the value by sliding up and down.

The screen brightness range is 1–16.

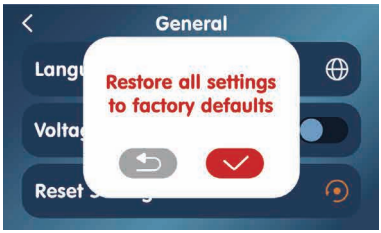
5 Language



Language change: Press *Language* to enter this interface. After selecting the language by pressing ✓, press ‹ in the upper left corner to return to the main interface.

The system will display the interface in the corresponding language.

6 Reset Setting



Reset: press *Reset Setting*, and select ✓ to complete the reset.

↩ Return
✓ Reset confirmation

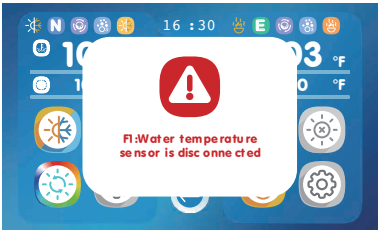
The reset operation restores all settings to their factory default values!

6 Troubleshooting

Panel warning information

When there are some states that require user attention in the control system, the control panel will display warning information of the state on the control panel. If there are several types of information that need to be displayed at the same time, these information will be loop displayed.

The following image shows the screen state when these details are displayed:



Warning message display location

When the following fault message appears, first try to power off the SPA and then power on again a few minutes later to clear the fault; If the fault occurs again, please follow the instructions below to handle the fault; During the troubleshooting process, ensure that the power connection to the SPA is disconnected.

code	description	cause	solution
F1	Water temperature sensor is disconnected. The control system has detected that the temperature sensor is not connected.	–	Please check the temperature sensor and its connections, and replace it if necessary.
F2	Water temperature sensor is short circuit. The control system has detected a short circuit in the temperature sensor.	–	Check the temperature sensor and its connections, and replace it if necessary.

code	description	cause	solution
F3	Water temperature is too high. The control system has detected that the temperature of temperature sensor is too high.	When the heater is started, if there is no water or water flow is small in the heating tube, this message may appear.	Please ensure that there is sufficient water in the SPA and the heating circulation pipeline is unobstructed.
F4	Water temperature is too low. The control system has detected that the temperature of the temperature sensor is too low.	–	Please pay attention to frost protection.
F5	EEPROM error. Memory Fault.	–	When a memory fault occurs, please power off the SPA and power it back on after a few minutes. If the memory fault occurs again, contact the service provider or manufacturer.
F6	Overheat protection switch (manual reset) on.	–	If the overheat protection switch is turned on, there may be overheating in the heating tube. Please manually reset the overheat protection switch or contact the service provider and manufacturer.
F9	System setting error.	The system configuration item read from the motherboard memory by the control system after power on was verified not correct.	Please turn off the power and wait for 10 seconds before powering on again. If this message appears again, please contact the service provider or manufacturer.
F10	Communications error.	The control panel cannot exchange information with the control pack.	Please turn off the power, and check if the wiring connection between the control panel and the control pack is good and if the connectors are tightly connected. After confirmation, power on again. If this fault cannot be eliminated, please contact the service provider or manufacturer.

Troubleshooting

code	description	cause	solution
ER06	**heat pump** Low Pressure Failure.	–	–
ER09	**heat pump** Communication with the upper computer failed (Communication with Balboa system failed).	–	– Replace the main board. – Check the communication cables between the main board and Balboa system. – Check whether the Balboa system software matches.
ER10	**heat pump** Communication fault of frequency conversion module (alarm when communication is disconnected between external board and drive board).	– The mainboard or driver board damaged. – The connector of the communication cable between the mainboard and the driver board is in poor contact or falls off. – The communication cable is damaged.	– Replace the main board or driver board. – Check the communication cables between the main board and driver board. – Replace the communication cable.
ER12	**heat pump** Exhaust too high protection.	– Less refrigerant or leakage. – The system blocked. – Compressor refrigerant oil is insufficient. – The resistance value of the exhaust probe is offset, and the inlet temperature probe is dropped.	– Refill the refrigerant. – Replace the filter. – Add refrigerant oil to the compressor. – Replace the exhaust probe and reconnect the water inlet temperature probe.
ER15	**heat pump** Inlet water temp. Error.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the water inlet temperature sensor *(T2 sensor).*
ER16	**heat pump** Outer coil pipe temp. Error.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the coil pipe temperature *(T3 sensor).*
ER18	**heat pump** Exhaust gas temp. Error.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the exhaust gas temperature *(T1 sensor).*

code	description	cause	solution
ER19	**heat pump** DC Fan Motor Failure.	–	–
ER20	**heat pump** Abnormal protection of frequency conversion module.	IPM module internal fault.	Check related problems according to the attached table.
ER21	**heat pump** Ambient temp. Error.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the ambient temperature *(T4 sensor)*.
ER23	**heat pump** Cooling outlet water temperature low protection.	–	–
ER27	**heat pump** Outlet temperature fault.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the water outlet temperature *(T6 sensor)*.
ER29	**heat pump** Return gas temp. Error.	The sensor plug is in poor contact or off, or the sensor is damaged.	Check and replace the suction gas *(T5 sensor)*.
ER32	**heat pump** Heating outlet water high temperature protection.	–	–
ER33	**heat pump** Outer Door Coil High Temperature Protection.	–	–
ER35	**heat pump** Compressor Current Protection.	–	–
ER42	**heat pump** Internal Coil Temperature Fail.	–	–
ER44	**heat pump** Ambient Temperature Too Low Protection.	–	–
ER46	**heat pump** DC Fan Error.	1. Dc fan failure. 2. Plug is in poor contact or off.	1. Replace the DC fan. 2. Reconnect cables to the DC fan.

7 Upkeep of the hot tub

7.1 General information

Do not expose the hot tub to sun without water inside or a cover on top. The direct sunlight can cause fading and deformation of the surface material. When you are not using the hot tub, cover it with the thermo cover, regardless of whether it is empty or full. Protect the hot tub from rain and snow. Place the hot tub under a gazebo or a roof if possible.

a) Do not open the control unit. There are no user-fixable parts inside.
b) Drain, clean and fill the hot tub with clean water on regular schedule.
c) Clean the filter cartridge at least once a week.
d) The hot tub user should have a proper shower before and after the use of the hot tub.

7.2 Removal and cleaning of the filter cartridge

The hot tub filter cartridge can get clogged by calcareous and mineral particles from a hard water, which can lead to a restricted water flow inside the filtration system. **We recommend to clean the filter cartridge at least once a week.**

Remove the cartridge and the skimmer insertion. Using a garden hose, clean the cartridge so that no settled dirt remains in the corners of the filter. Once clean, put the insertion back to the skimmer. Put the cartridge inside the skimmer tank next and close it. Remember that the filter cartridge has to be replaced every 3–6 months. Replace it even sooner if it is damaged or clogged, it is not usable in such state. Make-up, sunscreens and other types of body lotion decrease the quality of the water and lower the filter cartridge longevity.

7.3 Maintaining the quality of the water in the hot tub

WARNING: Always add the chemicals to the water, never the other way around. Add the chemicals to the water only when there are no people inside. Use the circulation pumps to mix the chemicals with the water. Store the chemicals according to the instruction on their label.

a) Use a suitable water hardness regulator regularly (the **HANSCRAFT SPA Water hardness regulator** is recommended) and follow the instructions on the chemicals' label.
b) Depending on the frequency of use of the hot tub, test the water quality regularly by a suitable water quality tester.

c) Adjust the water pH level accordingly by suitable water chemicals (the **HANSCRAFT SPA – pH PLUS** and **pH MINUS** is recommended).
d) Adjust the Cl (chlorine) level with suitable water chemicals (**HANSCRAFT SPA – MULTI MINI 3 in 1 tablets** are recommended). Follow the instructions on the chemicals' label.
For the chlorine to have the desired effect, the pH level needs to be adjusted first.
e) We recommend you to clean/replace the filter cartridge before adding the chemicals.

Chlorine shock – in case of extreme pollution, it is necessary to treat the water with a dose of fast dissolving chlorine and thus perform a chlorine shock. The pH level of the hot tub water has to be adjusted to 7.0–7.6 first and the chlorine level has to be checked. Once a week or after adding a large amount of fresh water to the hot tub, add a shock dose of chlorine 10–20 g/m^3 (2 table spoons) into the water. Add the chlorine only when there are no people in the hot tub. After you add the chlorine, turn on the circulation pumps so that the chemicals mix well with the water. If you are using a granulated form of the chemical, dissolve it in a small amount of water first. Let the chlorine level drop to 3 mg/l before you start using the hot tub.

Oxygen shock – in case of extreme pollution, it is necessary to treat the water with a large dose of fast dissolving oxygen and thus perform an oxygen shock. The pH level of the hot tub water has to be adjusted to 7.0–7.6 first and the oxygen concentration in the water has to be checked. Once a week or after adding a large amount of fresh water to the hot tub, add a shock dose of oxygen (2 tablets) into the water. Add the oxygen only when there are no people in the hot tub. After you add the oxygen, turn on the circulation pumps so that the chemicals mix well with the water. Let the oxygen level drop to 15 mg/l before you start using the hot tub.

Store the chemicals according to the instructions on the label.

Ideal chemical levels

Free chlorine concentration (active oxygen concentration)	0.7–1.0 mg/l (10–15 mg/l)
pH level	7.0–7.6
Calcium	100–180 mg/l
Overall alkalinity	80–120 mg/l

7.4 Replacing the water

It is important to keep the hot tub water fresh and clean. We recommend you to replace the water at least every 3 months unless the water quality drops sooner. The hot tub water can be used for watering the garden for example, given that it has not been chemically treated at least one week prior.

a) Disconnect the hot tub from the power supply (turn off the residual current device).
b) Check the power supply cable and make sure it is not wet.
c) Drain the water through a water drainage system, close it carefully and fill the hot tub with fresh water.
d) Connect the hot tub back to the electrical circuit (turn on the residual current device).

7.5 Cleaning the outer shell of the hot tub

Use a mild, not abrasive cleaning detergent and a soft cloth.

7.6 Hot tub hygiene and disinfection

Taking care of hygiene is extremely important for elimination of any germs, algae and other harmful organisms polluting the water in the hot tub. Test the water using the testing kit first (to find out the pH and Cl level) and follow by using suitable water chemicals accordingly. Follow the instructions on the chemicals' label carefully.

7.7 Thermocover

Using the thermocover helps saving up energy expenditures by minimizing temperature loss and evaporation. The cover is an effective way of protecting your hot tub from impurities and fallen leaves.

WARNING: For safety and damage prevention reasons, do not sit, stand or lie on top of the cover. Do not place any objects on top of it. The thermocover does not serve as a fence around the bathing area either. Do not let animals walk on top of the thermocover. Prevent a large snow layer build up on top of the thermocover.

If the hot tub is not in use and has been drained, **do not leave it covered with the thermal cover only – always place a protective tarp over the thermal cover.** Rain or melting water may seep through the cover seams into the interior of the tub, accumulate at the bottom and cause:

– mold growth,
– water freezing in winter and subsequent damage to the filtration and hydromassage piping.

7.8 Upkeep of the thermocover and upkeep instructions

It is important to take a proper care of the thermocover: clean it when necessary and treat it with a product intended especially for an eco-leather or fake leather. The guarantee does not cover damages caused by an inappropriate cleaning product.

a) The right balance of water chemicals represents an important factor in prolonging the longevity of your hot tub thermocover.
b) Remove the hot tub's cover and place it on the ground surface down.
c) Wash the cover with a large amount of water from a garden hose or a water bucket.
d) Clean the thermocover surface using a soft brush and a mild dish soap solution (1 tea spoon of dish soap per 8 litres of water).
Attention: Do not let the dish soap solution dry on the thermocover before washing it off!
e) Wash off the cleaning solution thoroughly.
f) Return the cover back on the hot tub.
g) Open the thermocover regularly so that the chemical vapours can disperse. Flip the thermocover inner side u at least twice a year for 3–4 hours.
h) If the thermocover does not get regularly cleaned twice a month, the surface material can become frail or age prematurely. The seams can separate. If you do not clean the thermocover appropriately, the guarantee becomes invalid.

WARNING: Do not lift the thermocover by the handles. A vacuum forms between the thermocover and the hot tub therefore lifting by the handles could result in a damage. It is necessary to support the thermocover from below by hand.

8 Winter and summer time

Winterizing the hot tub, a process recommended by the producer.

It is required that all water gets drained from the hot tub during the process of winterizing it, as well as water from all the technical parts of the hot tub (circulation pumps, pipes, etc.) We recommend you to use our specialized service for this purpose because flawed winterizing of the hot tub can result in a loss of the guarantee. If you decide to use our professional services, it is necessary to order them sufficient amount of time in advance. In case of winterizing the hot tub by yourself, it is crucial to do it when the air temperature is still above zero. If the winterizing is done in temperatures below zero, it can be very difficult because water in the motors could have frozen already and damaged some parts of the hot tub.

8.1 Winter time – using the hot tub, all year operation (SLP)

If you decide to keep using the hot tub during the winter time, it is necessary to keep checking the hot tub for cases of for example: circuit break failure, motor not working, heating not working, filter cartridge getting clogged.

If the instructions above are not complied with and it results in a damage of the hot tub, the warranty cannot be claimed.

8.2 Summer time

Do not expose the hot tub to direct sunlight; do not use inappropriate cleaning detergents for upkeep. Prevent the hot tub surface coming in direct contact with chemicals as well as surface scratches cause by sharp objects. Ensure the safety of children in the hot tub by a continuous adult supervision. Only eligible persons over 18 years of age, educated about the whole process, can be operating the hot tub. The same goes for handling the water chemicals, which have to be stored out of children's reach.

9 Final establishments

9.1 Guarantee conditions

Guarantee conditions abide by terms and conditions of your distributor.

9.2 Safe disposal of the product after the service life

Hire a professional service to dispose of the hot tub after it reaches the end of its longevity. According to the WEEE directive (Electronics and electrical appliances waste) this device cannot be disposed of like a regular waste.

9.3 Warranty claims and repair services

Potential warranty claims abide by the consumer protection laws and the warranty claims policy of your distributor.

10 Repair services chart

A TABLE FOR YOUR NOTES, PLEASE FILL OUT THE FOLLOWING INFORMATION. You will need the filled out information in case of a repair requested through the customer service line.	
Purchase date	
Delivery date	
Model name	
Serial number	
Seller information (name, phone number)	

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last update: 30. 7. 2026

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