

# USER MANUAL

IN.K1000 – HC EASY POOL

# Contents

<b>1</b>	<b>Hot tub performance specifications . . . . .</b>	<b>3</b>
<b>2</b>	<b>Preparation for the installation of the hot tub . . . . .</b>	<b>4</b>
2.1	Preparation of the place for installation and connection to electricity . . . . .	4
2.2	Preparation for the interior hot tub installation . . . . .	5
2.3	Preparation for the exterior hot tub installation . . . . .	5
<b>3</b>	<b>Installation of the hot tub . . . . .</b>	<b>5</b>
3.1	General information. . . . .	5
3.2	Filling the hot tub with water . . . . .	6
3.3	Running the power supply of the hot tub . . . . .	6
3.4	Programming of the hot tub control unit using the control panel . . . . .	6
<b>4</b>	<b>Aquatic AV audio system . . . . .</b>	<b>6</b>
<b>5</b>	<b>Control panel . . . . .</b>	<b>7</b>
5.1	Touch screen . . . . .	7
5.2	Functions of the Hot tub . . . . .	8
5.3	Whirlpool Mode . . . . .	8
5.4	Settings . . . . .	10
5.5	Water care . . . . .	11
5.6	Adjustment of water care plans . . . . .	11
5.7	Protocol of maintenance and errors . . . . .	13
5.8	Date and time . . . . .	14
5.9	Screen setting . . . . .	15
5.10	Keypad Lock . . . . .	16
5.11	Electrical Configuration . . . . .	17
5.12	WiFi . . . . .	17
5.13	Miscellaneous . . . . .	18
5.14	About . . . . .	19
5.15	Excess water on the display . . . . .	19
5.16	Error messages about installation . . . . .	20
<b>6</b>	<b>Upkeep of the hot tub . . . . .</b>	<b>20</b>
6.1	General information . . . . .	20
6.2	Removal and cleaning of the filter cartridge . . . . .	20
6.3	Maintaining the quality of the water in the hot tub . . . . .	21
6.4	Replacing the water . . . . .	22
6.5	Cleaning the outer shell of the hot tub . . . . .	22
6.6	Hot tub hygiene and disinfection . . . . .	22
6.7	Thermo cover . . . . .	23
6.8	Upkeep of the thermo cover and upkeep instructions . . . . .	23
<b>7</b>	<b>Winter and summer time . . . . .</b>	<b>24</b>
7.1	Winter time – using the hot tub, all year operation (SLP) . . . . .	24
7.2	Summer time . . . . .	24
<b>8</b>	<b>Final establishments . . . . .</b>	<b>25</b>
8.1	Guarantee conditions . . . . .	25
8.2	Safe disposal of the product after the service life . . . . .	25
8.3	Warranty claims and repair services . . . . .	25
<b>9</b>	<b>Repair services chart . . . . .</b>	<b>25</b>
<b>10</b>	<b>Supplements . . . . .</b>	<b>26</b>
<b>11</b>	<b>Notes . . . . .</b>	<b>26</b>

# Hot tub performance specifications

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 specifications

nominal voltage:	three-phase connect. 230/400 V 50 Hz*
maximum work current:	3× 16 A
current surge:	up to 3× 25 A
voltage resistance:	1 250 V/min. without puncturing
insulation resistance:	≥ 1 M Ω
water resistance:	IPX5
electrical shock protection:	first level

\*The product does not use the 400 V phase to phase voltage. It is possible to adjust it to 1× 230 V, however, this is not recommended due to limitations of the functions. (For more information on this connection, please refer to the Supplements, p. 26)

### Stress load

heating:	1× 230 V/3 kW/13.6 A
ozone:	1× 230 V/50 Hz/80 mA
blower:	1× 230 V/0.66 kW/2.9 A
pump 1/1 + 1/1 + 1/1 + 0.4:	3× 2.2 kW + 0.4 kW
overall wattage (depends on the hot tub type):	10.66 kW/ h
protection class:	I.
lighting:	LED 12 V/10 W
maximum output:	20 W
humidity resistant speakers:	yes

### Preparation and electrical connection options – AC three-phase current 3× 230/400 V/16 A/20 A

Ensure that the Hot tub is connected to a circuit protected by a Residual Current protective Device with a rated tripping current of 0.03 A, at all times. It is necessary

# Specifications/Preparation for the installation

to use a Type C or Type D circuit breaker with a rated current of 16 A (motor circuit breaker) downstream of the Residual Current protective Device.

## Recommended Type C or D circuit breaker (motor circuit breaker)

Hot tubs with two massage motors:

**3× 16 A/C or D**

Hot tubs with three massage motors:

**3× 20 A/C or D**

**!!! THE HOT TUB MUST BE INSTALLED BY AN ELECTRICIAN WITH THE APPROPRIATE QUALIFICATION ONLY !!!**

## 2 Preparation for the installation of the hot tub

**Check the hot tub first before the installation. Immediately contact the seller in case any of the parts are broken or missing. Make sure that all the components correspond to your order. Check the hot tub before every use. In case of any 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!**

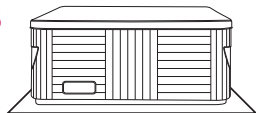
### 2.1 Preparation of the place for installation and connection to electricity

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 added in the technical description of the hot tub. The baths are prepared by us for an electrical wiring of 3× 230 V/400 V~ alternating current. Therefore, use a circuit breaker 3× 16 A/C or D, alternatively 3× 20 A/C or D and a Residual Current protective Device corresponding to this wiring. Furthermore, it is necessary to have a cable with parameters corresponding to the rightful regulations for this type of wiring.

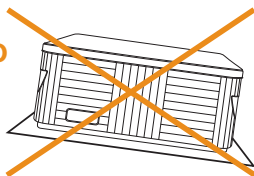
**The cable must also have 10 usable meters at the location of the Hot tub**, so that it can be pulled through and connected to the control unit without complications.

Do not route the cable under the Hot tub!

**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 be accessible from all sides for future repair services. If it is not sufficiently accessible during the guarantee period, the owner has a duty to ensure the access.

## 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

**Warning: connection to electricity must be done according to norms valid in Czech Republic ČSN 33 2000-7-701**

## 3.1 General information

We strongly recommend you to hire professionally trained and qualified technicians for the process of installation. If you decide to install the hot tub by yourself, please abide by the following instructions.

- a) Carefully remove all the packaging material from the hot tub and position the hot tub on a beforehand selected place of installation.
- b) Demount the front panel on the side of the hot tub control panel. Demount the upper cover of an electrical wiring under which you can find a residual current device, a ground fault circuit interruptor (if it is part of the hot tub equipment) and a ground staple. The connection itself must be done by a person with an expert qualification.
- c) 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.
- d) 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 a skimmer to prevent an over aeration of the circulation pumps.
- b) Do not fill the hot tub with water of temperature over 104 °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 thermo cover and let the water temperature to stabilize. Check the water level inside the hot tub regularly.

# 4 Aquatic AV audio system

**Aquatic AV audio system AQUATIC/MY MUSIC** (relevant only for hot tubs equipped with the system)

If you want to play music from an external device, it is necessary to pair the device with the hot tub first (phone, tablet, computer). Turn on the bluetooth system on your external device and search for the AQUATIC device. The connection is not restricted by a code and only one connection can be active at a time. You can play music immediately after the devices are successfully paired. You can control all the functions of the audio system on your connected external device.

## 5 Control panel (IN.K1000)

### 5.1 Touch screen

No mechanical buttons, keys or switches! Digital mode and function selection circle, one-touch activation of last used settings, interactive icons and on-screen notifications – these are the elements of the Smart Touch user interface, designed so that the user can intuitively communicate with his Hot tub and thus easily use its features.



### Notification icons

Icons on the top right of the screen display the status of the accessory providing additional functions.



**Aquasoul Pro**  
The audio system is ON



**Aquasoul Pro**  
The audio system is OFF\*



**in.mix**  
Is installed



**WiFi**  
The system is connected to WiFi



**WiFi**  
The system is disconnected from WiFi

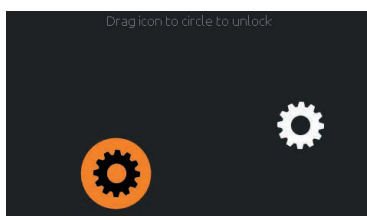
\*The audio system is installed beyond the interface of the control panel, and thus the icon in the interface is non-functional.

## 5.2 Functions of the Hot tub

Quick and easy step-by-step setup for controlling the main functions and configuration of the system settings on your Hot tub using the Smart Touch screen. On the main page you can select the following modes:

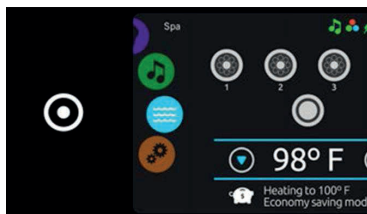
- *color* (with an installed in.mix)
- *audio* (with an Aquasoul Pro connection)
- *spa*
- *settings*

To select a mode, slide the left selection circle up or down until the desired icon is highlighted in the centre.



### Switch on the control panel

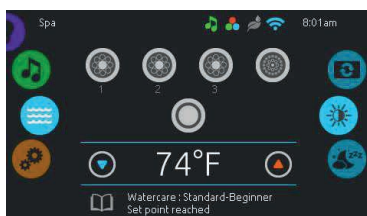
If no contact is made, the screen will switch off 3 minutes after the last pump shutdown. Touch the screen to switch it on. Then, follow the instructions on the screen to access the main page.



### ALL-ON/ALL-OFF button

Smart touch is equipped with a memory of the last setting used, which can be activated by one touch of a button. When selected, it will either switch on or switch off all work activities and accessories at once.

## 5.3 Whirlpool Mode

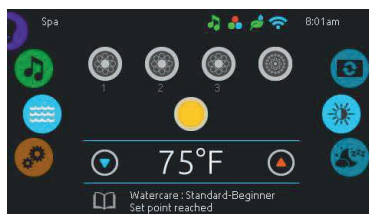


### Whirlpool mode

To select the whirlpool mode, slide the selection circle to the left or down until the whirlpool icon is highlighted in the centre. The home page of the ON/OFF button, arrows pointing up and down, water temperature, notifications and selection of display options will show up:

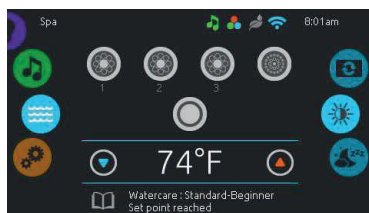
- *display orientation*
- *contrast of the display*

To select an option, slide the selection circle up or down until the desired icon is highlighted in the centre.



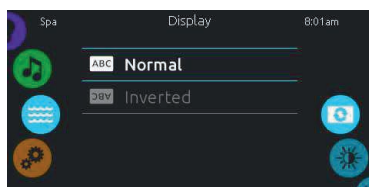
## Switching accessories on and on

To start or stop an accessory (pump, air blower, light), touch the corresponding icon. If the accessory is on, the icons are animated. When off, the animation stops. The icons on the screen will reflect the speed or status of the running mechanisms in your Hot tub. If an accessory has more than two speeds, press the button until the desired speed is reached.



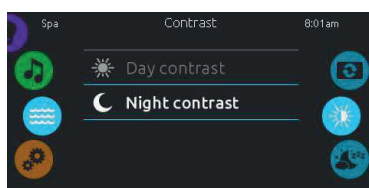
## Water temperature

The temperature displayed on the bottom of the screen represents the current temperature of the water. Use the icon *Up* or *down* to regulate the desired temperature. The selected temperature will appear in blue. One step is set to 0.5. Unless you make a change within 3 seconds, the current temperature of the water will appear again. If the set temperature is lower than the current temperature, a notification will appear displaying *Cooling to xx.x*. If the set temperature is higher than the current temperature, a notification will appear displaying *Heating to xx.x*. Under normal circumstances, there will be a short delay before the heating begins during which a notification will be displayed under the temperature value stating *Heating suspended*.



## Display orientation

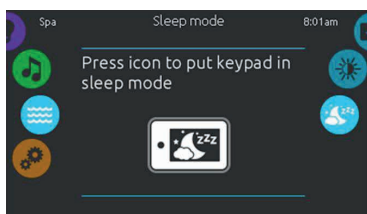
To adjust the display orientation settings, slide the right selection circle until the display orientation icon is highlighted in the centre. Select the preferred orientation by tapping on it.



## Display contrast

To adjust the display's contrast, slide the right selection circle until the display contrast icon is highlighted in the centre. Select the preferred contrast by tapping on it.

## Control panel



### Sleep

If you want to put the display to hibernation mode without waiting, select the *SLEEP* icon. It is not possible to unintentionally run/stop the pump in this mode.

## 5.4 Settings

You can use the settings mode to manage the settings of your appliance.



To select the mode of settings, move the left selection circle up or down until the *Settings* icon is highlighted in the centre.

Under *Settings* you can access the following:

- *water care*
- *maintenance*
- *date & time*
- *keypad*
- *electrical configuration*
- *WiFi*
- *about*

To select an item, scroll the right selection circle until the desired icon appears in the centre or by pressing on the item in the selection list.

## 5.5 Water care

The Water Care page allows you to set up the ideal filtration and heating setting. Select, set or change any of the 5 available modes depending on your needs at the given.



### AWAY FROM HOME

In this mode, the Hot tub will always be in saving mode (economy); the set value will decrease to 11 °C.



### STANDARD – BEGINNER

The Hot tub will never be in power saving mode (economy) and filtering will take place depending on the configuration of the system.



### ENERGY SAVINGS

The Hot tub will be in power saving mode (economy) during the peak of the day throughout the day and will return to the normal mode during the weekend.



### SUPER ENERGY

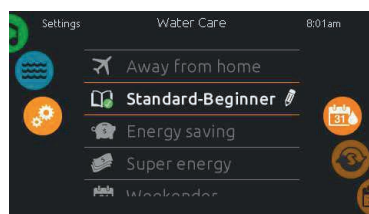
The Hot tub will be in power saving mode (economy) at all times during the peak, every day of the week.



### WEEKENDER

The Hot tub will be in power saving mode from Monday to Friday, and it will run in normal mode during the weekend.

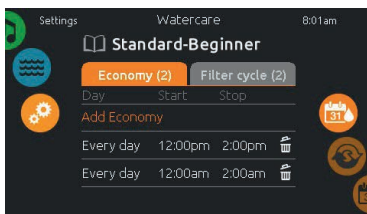
## 5.6 Adjustment of water care plans



### Water Care

You can change the category of water care by tapping the *pen* icon on the right-end of the desired water care, which will open the *Water Care* menu.

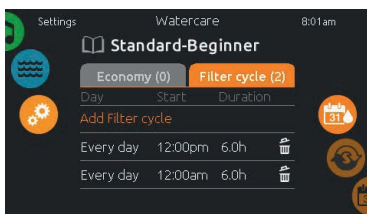
## Control panel



### Economy

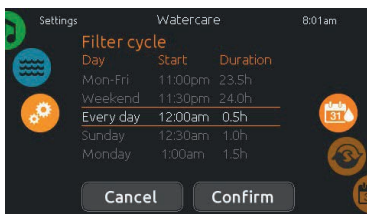
Select the *Economy* folder to change the operation plan. You can add another plan by tapping on "Add Economy". If you wish to remove a plan, tap on the trashcan symbol on the right end of the requested row.

*In Economy mode the set temperature value will be decreased by 11 °C, meaning that the heating system will not be in service until the temperature falls below 11 °C of the set value.*

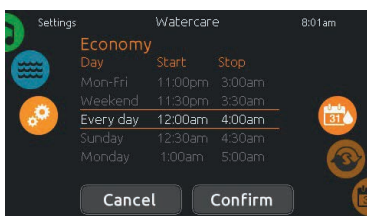


### Filter cycles

Select the *Filter Cycle* folder to change the filter plans. You can add another filter plan by tapping "Add filter cycle". If you wish to remove a plan tap the trashcan symbol on the right end of the requested row.

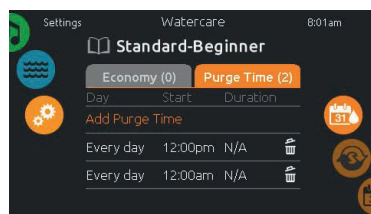


You can adjust the programmed plans. A number of timetable options are available (Mo-Fri, weekend, every day, single days). This plan will repeat itself every week. The cycle duration can be set in 30-minute intervals.



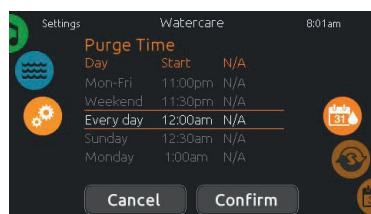
Once you have chosen your plan, press "Confirm". If you do not wish to save the plan, tap "Cancel" or use the calendar icon to return back.

*The Filter plan that will show up on the screen will concern the main filter pump, most likely pump 1. If your Hot tub uses a circulation pump configured to run for 24 hours, the screen will show the Purge setting instead of Filter setting. The Purge duration is set to a fixed number of minutes; thus, the duration will be set to N/A, and you may only adjust the starting time.*



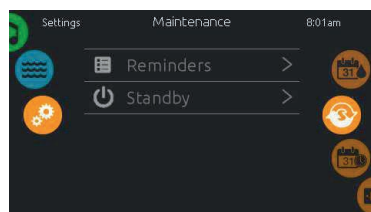
### Purge Time

Tap the Purge Time folder to change the setting of the process. You can add purge time by choosing "Add purge time". If you wish to remove a plan tap the trashcan symbol on the right end of the requested row.



You can adjust the programmed purge time. A number of timetable options are available (Mo-Fri, weekend, every day, single days). This plan will repeat itself every week. The duration is set to 30 minutes. You can adjust the starting time. Once you have adjusted the plan, tap "Confirm". If you do not wish to save the plan, tap "Cancel" or use the calendar icon to return back.

## 5.7 Protocol of maintenance and errors

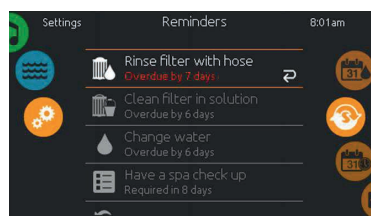


### Maintenance

To change the maintenance settings, slide the right selection circle until the *maintenance* icon is highlighted in the centre. On the *Maintenance* page you can access the following:

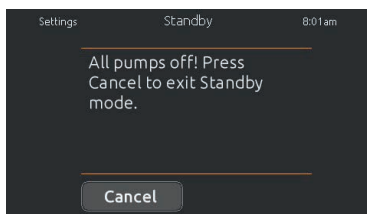
- Reminders
- Standby

Just select the row with the item you wish to change.



### Reminders

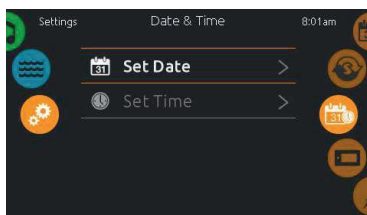
Smart Touch will send reminders for necessary maintenance of the Hot tub, as well as cleaning of the filter. Every task has its own duration based on its regular usage. The menu of reminders allows you to check the remaining time until necessary maintenance, as well as resetting of the time as soon as the task has been complete. To resume the task, select it by tapping the curved arrow and then confirm when prompted to. After you have confirmed it, the task will reset.



## Standby

This mode allows you to perform maintenance of the Hot tub. The pumps are switched off for 30 minutes, after which they will automatically switch on. The display returns to normal once the pump is put into operation again.

## 5.8 Date and time



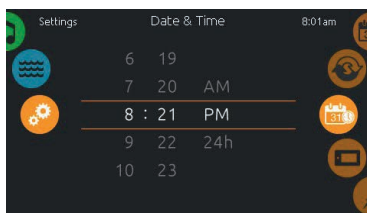
### Date and time

To adjust the date and time, slide the right selection circle until the *calendar* icon is highlighted in the centre. Just select the row with the item that you wish to change.



### Date setting

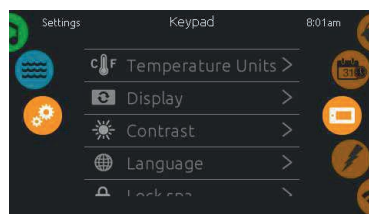
Here it is possible to set up the year, month and day. Simply slide your finger up or down along the column that you wish to change, and select your desired value. If you do not wish to do so, you can return by tapping the *calendar* icon on the right-hand side of the screen.



### Time setting

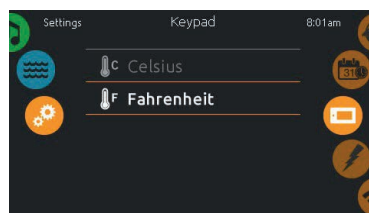
You can set up the time display here. Simply slide your finger up or down along the column that you wish to change, and select the desired value. If you do not wish to do so, you can return by tapping the *calendar* icon on the right-hand side of the screen.

## 5.9 Screen setting



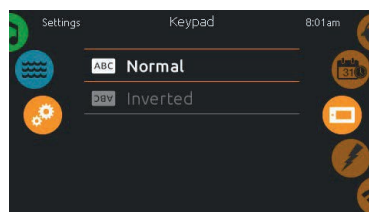
### Keypad setting

To adjust the keypad setting, slide the right selection circle until the *keypad* icon is highlighted in the centre. Simply select the row of the item that you wish to change.



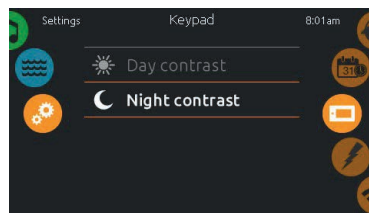
### Temperature unit

On this page you can adjust or change the display of the temperature in °F or °C.



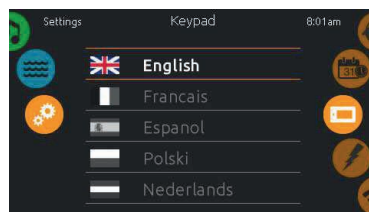
### Display orientation

On this page you can set up or adjust a normal or inverted orientation of the display.



### Display contrast

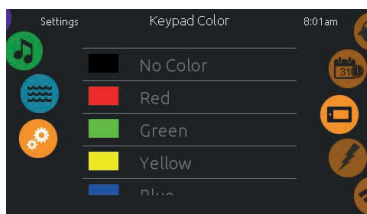
On this page you can set up or change the day or night contrast of the display.



### Display language

On this page you can set up or change the language of the display.

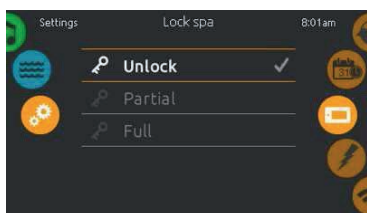
## Control panel



### Keypad Colour

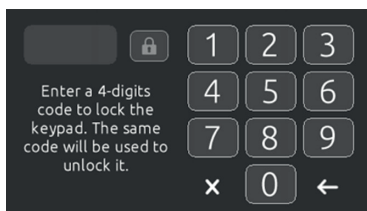
(optional) If this function is available, the user can change the colour of the framing around the keypad.

## 5.10 Keypad Lock

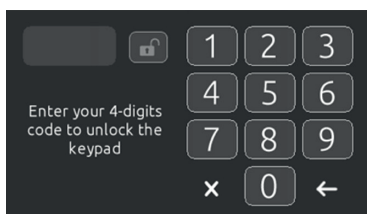


### Lock spa (keypad lock)

(optional) If this function is available, the user can partially or completely lock the keypad. If the full lock is selected, the adjustment of all functions is locked. During partial locking it is only possible to activate accessories. Settings are not possible.

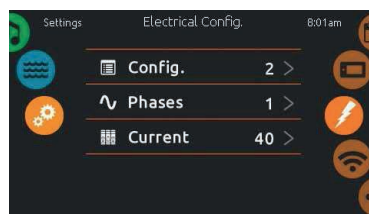


If the user intends to use the lock, he/she is prompted by the system to fill in a 4-digit code. The same code will be required to unlock the keypad.



With the next use, the system will again request a 4-digit code (it does not have to be identical). It is possible to unlock the keypad with a universal code (3732), or through an overall reset of the keypad.

## 5.11 Electrical Configuration



**Important: Do not make any changes in this area unless you are a qualified electrician!**

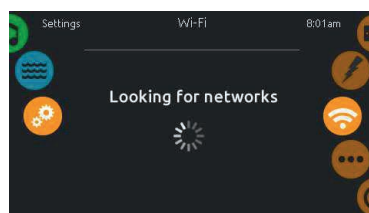
A password will be required. Please contact the representative of the manufacturer to obtain this password.



If you want to change the configuration, the number of phases and input current of the Hot tub system, slide the right selection circle until the icon Electrical configuration is highlighted in the centre.

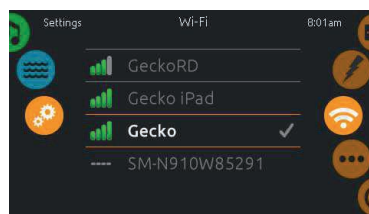
## 5.12 WiFi

This function is only available if the in.touch Module is connected to the system.



### WiFi settings

To change the WiFi settings, slide the right selection circle until the *WiFi* icon is highlighted in the centre.



### WiFi networks

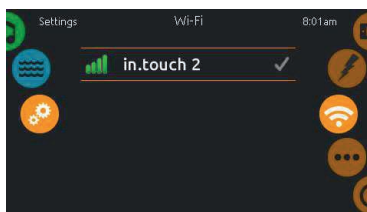
The available networks will show up on the screen after some time as well as their signal strength. Scroll up or down on the list and choose a network. The chosen network will be marked with a green tick.

## Control panel



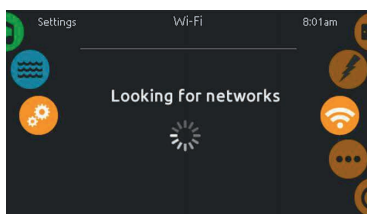
### WiFi password

If the WiFi network is protected with a password, fill it in when prompted by the keypad. Use the *Enter* key to confirm the password. If no password is necessary, in.touch will automatically connect.



### In.touch module is connected

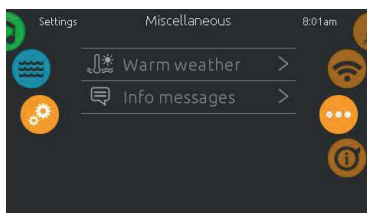
If the network in.touch 2 is found, it will appear on the display.



### In.touch module is not connected

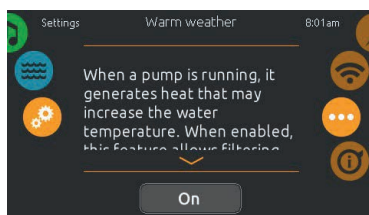
This message will appear if the In.touch module is not connected in your Hot tub.

## 5.13 Miscellaneous



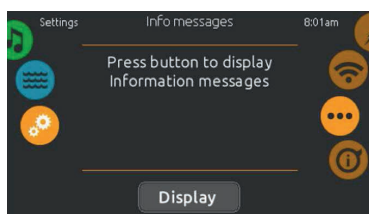
### Miscellaneous

This option allows access to the adjustment of *Warm Weather* and Info messages in the centre of messages.



## Warm weather

When a pump is running, it generates heat that may increase the water temperature. When enabled, the option "Warm Weather" allows to avoid the built-in overheating function of the filtration. If *Warm Weather* is set to "OFF", the overheating function of the filtration is inoperative and your Hot tub's filtration system will operate continuously even when the water temperature is higher.



## Info messages

By pressing the *Display/Hide* button, it is possible to adjust the display of messages: If *Hide* is selected, the display will only show the message *Smart Winter Mode* and *SWM* purge time. In the opposite case, the message will always appear when *SWM* conditions are met. If the *Hide* option is chosen, messages concerning the discharge of heating and resuming of filtration will not be displayed.

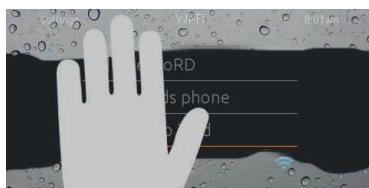
## 5.14 About



## About

To see information about the appliance, slide the right selection circle until the "i" symbol is highlighted in the centre. Information about various parts of the system, software, and revision numbers of individual components of the system will be displayed.

## 5.15 Excess water on the display



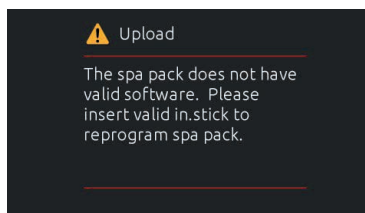
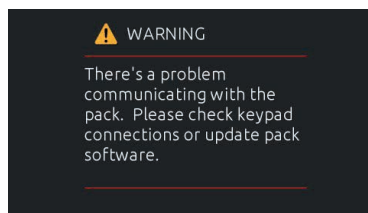
## Wipe the screen

This message will appear in case of too much water detected on the display. Simply wipe away the excess water.

# Control panel/Upkeep of the hot tub

## 5.16 Error messages about installation

After switching on Smart Touch on your bath you may see one of the two error messages. Please follow the directions of the message or reach out to your retailer for more information.



*A list and definition of error messages: <http://geckokeypads.com/k1000errormessages>*

## 6 Upkeep of the hot tub

### 6.1 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.

### 6.2 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.

### 6.3 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<sup>3</sup> (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

## Upkeep of the hot tub

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

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

## 6.4 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.

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

## 6.5 Cleaning the outer shell of the hot tub

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

## 6.6 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.

## 6.7 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 thermo cover does not serve as a fence around the bathing area either. Do not let animals walk on top of the thermo cover. Prevent a large snow layer build up on top of the thermo cover.**

## 6.8 Upkeep of the thermo cover and upkeep instructions

It is important to take a proper care of the thermo cover: 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 thermo cover.
- 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 thermo cover 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 thermo cover before washing it off!**

- e) Wash off the cleaning solution thoroughly.
- f) Return the cover back on the hot tub.
- g) Open the thermo cover regularly so that the chemical vapours can disperse. Flip the thermo cover inner side up at least twice a year for 3–4 hours.
- h) If the thermo cover 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 thermo cover appropriately, the guarantee becomes invalid.

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

## 7 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.

### **7.1 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.**

### **7.2 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.

## 8 Final establishments

### 8.1 Guarantee conditions

Guarantee conditions abide by terms and conditions of your distributor.

### 8.2 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.



### 8.3 Warranty claims and repair services

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

## 9 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.**

<b>Purchase date</b>	
<b>Delivery date</b>	
<b>Model name</b>	
<b>Serial number</b>	
<b>Seller information (name, phone number)</b>	

### 10 Supplements

#### Setting to 1× 230 V

When setting to 1× 230 V, it is necessary to observe the cross-section of the supply wire; namely: CYKY – 3J× 16. A circuit breaker and residual current protective device 50 A, according to the applicable standards of the country where the product is installed. This setting is necessary to maintain all functions of the bath.

#### Preparation and electrical connection options – single phase 1× 230 V/50 A (alternating current) connection

Ensure that the Hot tub is at all times connected to a circuit protected by a Residual Current protective Device with a rated tripping current of 0.03 A. It is essential to use a Type C or Type D single-phase circuit breaker with a minimum rated current of 50 A (motor circuit breaker) downstream of the Residual Current protective Device. In any case, the connection must be made using an appropriate electrical conductor in line with the applicable standards; in the case of a 50 A circuit breaker, the connection will be made using a wire marked 3J× 16. The whirlpool will operate in a limited mode and will limit the active accessories so as to not exceed the set parameters. The circuit breaker value must be set on the control panel so that the settings correspond to the values of the utilised circuit breaker.

### 11 Notes

---

---

---

---

---

---

---

---

---

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



**HANSCRAFT, s.r.o.**

K Vodojemu 140

252 19 Chrástany u Prahy

CZECH REPUBLIC

**[www.HANSCRAFT.eu](http://www.HANSCRAFT.eu)**

last update: 14. 9. 2023



**Safety**

Regular

Production

Surveillance



[www.tuv.com](http://www.tuv.com)

ID 0000073072