



celtic
HOT TUBS

SUMMIT SERIES
USER MANUAL



THANK YOU for joining the Celtic Hot Tub family, we appreciate your business!

Our design, engineering, and production team have ensured that only the finest quality materials and craftsmanship have been combined to provide you with years of enjoyment!

Please take a few minutes to read this owner's manual. It contains important SAFETY, installation, operating, and maintenance instructions.

For your home records, please fill in the purchase & delivery information. After receiving your tub, place the serial # sticker in the box below the form.

Date Purchased _____
Date Installed _____
Dealer _____
Address _____
Telephone _____

Box for serial #/model



Table of Contents

Registering Your Hot Tub Warranty2

Safety Instructions. 4-5

Tub Placement & Foundation6

Converting a 110v System to a 220 System7

Electrical Installation and Requirements 8-9

Triskelion Jets & Controls 10

Summit Clover Schematics 11

Summit Kozy Schematics 12

Summit Luna Schematics 13

Summit Mystics Schematics 14

Summit Solstice Schematics 15

Operation and Use Instructions (Balboa) 16-17

1 Pump & 2 Pump - Operation and Use Instructions 18-23

Hot Tub Cover & Start Up Procedures 24

Spa Cover Installation 25

Operation and Use Instructions 26

Draining Your Hot Tub 27

General Maintenance 28-29

Celtic Warranty 30-33

Safety Instructions



WARNING! IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS

1. Avoiding Risks to Children

- Extreme caution must be exercised to prevent unauthorized access by children.
- Be sure the hot tub cover is closed and securely locked when not in use. Every Celtic Hot Tub is equipped with a locking cover that meets the ASTM F1346-91 standard for safety covers. Keep cover keys out of reach of children.
- Never allow children to use the hot tub without adult supervision.

2. Avoiding Risk of Electrocution

- Do not permit electrical appliances within 5 feet of the hot tub.
- Test the GFCI prior to every use of the hot tub.
- Do not use the hot tub with the equipment area door open.
- Do not use an extension cord to connect the hot tub to its power source.
- Disconnect the hot tub from its power source before draining the spa or servicing electrical components.
- Do not open the electrical control box. There are no user serviceable parts inside.

2. Increased Side Effects of Medication

- DRUGS AND ALCOHOL CAN GREATLY INCREASE HEALTH RISKS AND HYPERTHERMIA IN A HOT TUB.
- Persons with medical conditions or taking medication should consult their doctor prior to using a hot tub. Some medications may cause drowsiness, or affect blood pressure, heart rate or circulation.

3. Reduce Risk of Injury

- Do not use the hot tub immediately after a strenuous workout.
- Extended immersion in a hot tub could be injurious to your health.

- Pregnant or possibly pregnant women should always consult their doctor before using a hot tub.
- Never allow anyone to dive or jump into a hot tub.
- Always enter and exit your hot tub feet first, slowly and carefully. Floors and surfaces can be slippery.
- People with medical conditions such as heart disease, high or low blood pressure, circulatory system issues, obesity, or pregnant women should consult a doctor prior to using a hot tub.
- DO NOT Remove suction or filter covers. Water suction through the drains and skimmer is very strong when pumps are operating at high speed. Damaged or missing drain and skimmer covers can be dangerous entrapping small children and people as well as long hair. Should anyone or anything become entrapped in a drain, skimmer or any other fitting, **IMMEDIATELY TURN OFF THE HOT TUB AT THE ELECTRICAL SOURCE.**
- People with infectious diseases or sores should consult their doctor prior to using a hot tub.
- Always install cartridge filters prior to filling the hot tub. If you are changing a filter when the hot tub is full of water, be sure to turn off the hot tub before removing the dirty cartridge filter and installing the clean cartridge filter.



Safety Instructions



**WARNING! IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS**

5. Avoiding Risk of Hyperthermia

- Hyperthermia may occur when the internal body temperature rises several degrees above the normal body temperature of 98.6 degrees Fahrenheit.
- Always check the water temperature with a thermometer before entering the hot tub.
- Water temperatures above 100 degrees Fahrenheit may be injurious to your health. Never exceed 104 degrees Fahrenheit.
- Hot water speeds up the effect of alcohol, drugs and other medications. The use of alcohol, drugs or medication before or during hot tub use may lead to drowsiness or unconsciousness that could lead to drowning.
 - SYMPTOMS OF HYPERTHERMIA INCLUDE:
 1. Drowsiness
 2. Increased internal body temperature
 - EFFECTS OF HYPERTHERMIA:
 1. Unaware of possible dangers
 2. Failure to perceive excessive heat
 3. Failure to recognize need to leave Hot Tub
 4. Loss of ability to leave Hot Tub
 5. Fetal damage in pregnant mothers

Hot Tub Placement

Proper placement of your hot tub will add to the enjoyment. Please consider the following:

1. When viewed from the inside of the house or patio, how will the hot tub enhance the yard and landscaping?
2. Will the location provide the desired privacy?
3. When in the hot tub, will you have the desired view?
4. How will the electrician run the power line?
5. Will you have a safe walking path to the hot tub in cold weather when the ground may be slippery?
6. Check local building codes for any electrical or set back requirements.
7. When placing your hot tub indoors, it will increase the humidity in the enclosed area. A ventilation fan may be required to exhaust the steam from the hot tub. All finish materials like sheetrock and trim boards should be capable of withstanding the additional humidity.

Hot Tub Foundation

Important for the longevity of the tub and a safe hot tub environment. Providing a solid foundation is necessary!

1. Your hot tub requires the structural support of a flat level surface. A 3.5 in. thick concrete pad is best. There are other available options, we recommend that you consult your dealer to select the proper pad to suit your needs.
2. When installing your hot tub on a deck, make sure your deck was designed to support a minimum of 50 lbs. per square foot, however, an x-large tub can weigh 800-1,000 lbs. dry, with a water capacity of 400 gallons+ and 4-5 bathers. The total weight load could be upwards of 5,000 lbs. which would exceed the design capacity of a 50 lb. Per sq. ft. design. Adding direct support under the deck and directly below the tub by post or beam would be recommended.
3. Many cities require that the hot tub be in a fenced area with a self-closing and latching gate. Check with your local building department.
4. Make sure there is a clear path for delivery of the hot tub. You may need to adjust landscaping, remove gates, etc.

Electrical Installation and Requirements for 110 Volt Plug-In Models

Please have your licensed electrician read and follow these instructions prior to installation.

It is the responsibility of the hot tub owner to make sure that a qualified electrician wires your Harmonic Hot Tub in accordance with the National Electric Code and all applicable local electrical codes. All electrical work should be done by an experienced, licensed electrician. We recommend the use of appropriate electrical conduit, fittings, and wire for all circuits. All Celtic Hot Tub models are designed to run on 60hz.

110v units using a 15 amp GFCI (Ground Fault Circuit Interrupter) cord must be plugged into a dedicated circuit. A dedicated circuit is one that has ONLY the hot tub connected to it, nothing else.

Convert 110v Plug & Play to 220v

Upgrading your hot tub from 110V to 220V offers key performance improvements. With a 220V setup, the heater will warm the water faster, and both the pump and heater will run simultaneously—eliminating the “Heater Suspended” message.

Important Notes

- This conversion applies only to In.YE3 control packs.
- The heater will be converted to 220V, while all other components remain at 110V
- This requires a 4-wire hookup, replacing the 110V GFCI cord (see Photo 1)

Conversion Steps

1. Wiring Adjustments

- Disconnect the heater wire from P44 and move it to P17 (see Photo 2)

2. Programming the Spa for 220V

Access the topside control to change the configuration settings:

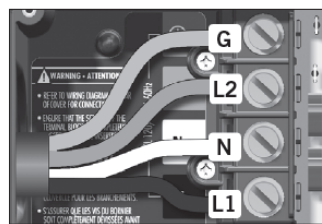
1. From the main screen, press the Menu button.
2. Scroll down to Config and select it using the Light button.
3. A yellow message will appear. Scroll to the bottom of the message and press and hold the Light button for 5 seconds to unlock configuration access.
4. In the Config menu, scroll to Current and select it using the Light button.
5. Change the current setting to 34 and confirm by pressing the Light button again.

3. System Reboot

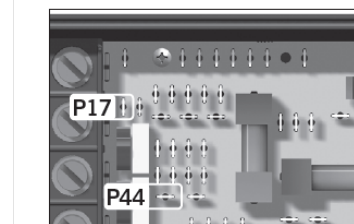
- The spa will automatically restart and go through the initializing phase.

This completes the conversion from 110V to 220V, ensuring improved performance and eliminating interruptions caused by limited power.

1



2



Electrical Installation and Requirements

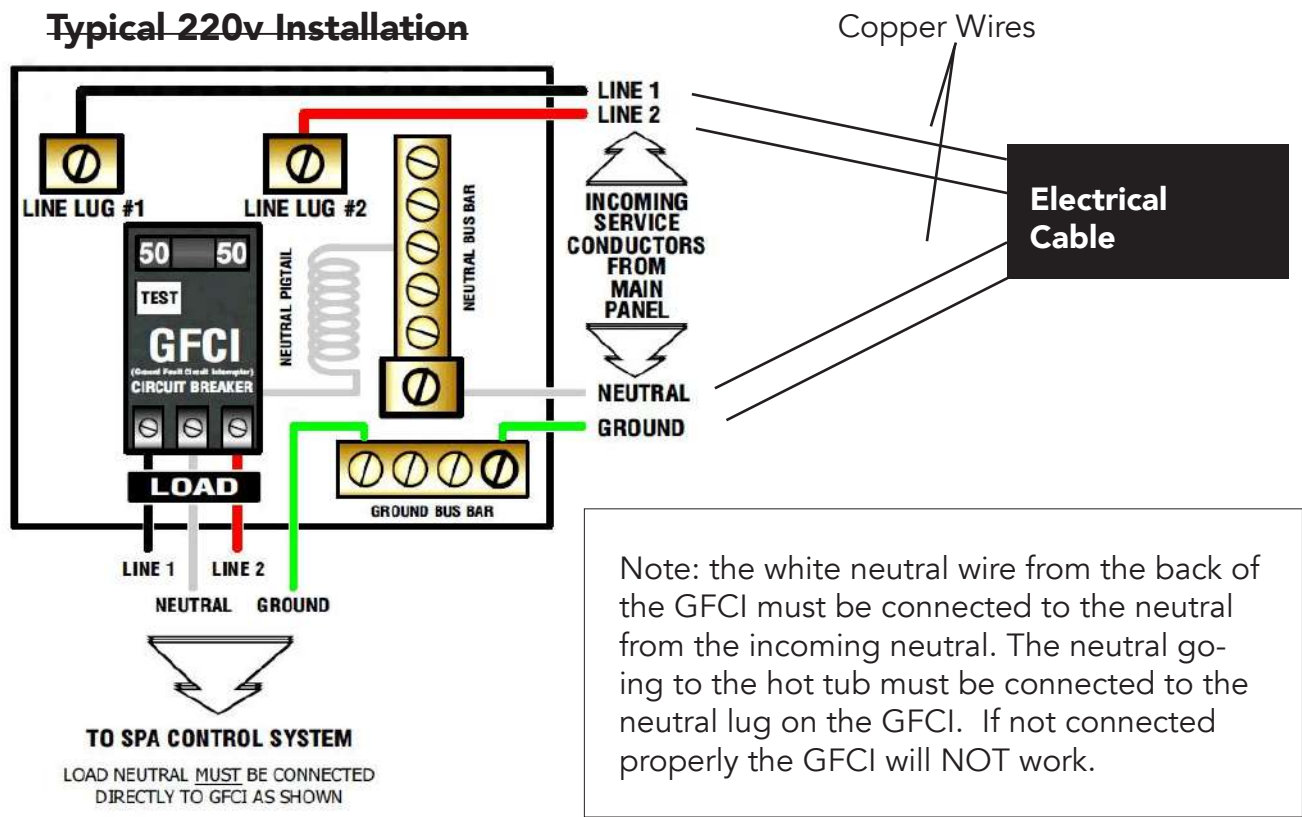
220 Volt Models Require "Hard Wire" Hook-ups

Please have your licensed electrician read and follow these instructions prior to installation.

It is the responsibility of the hot tub owner to make sure that a qualified electrician wires your Celtic Hot Tub in accordance with the National Electric Code and all applicable local electrical codes. All electrical work should be done by an experienced, licensed electrician. We recommend the use of appropriate electrical conduit, fittings, and wire for all circuits. All Celtic Hot Tub models are designed to run on 60hz.

220v units require a 50 amp GFCI breaker on a dedicated circuit. The GFCI protected breaker must be installed in a dedicated sub-panel that is easily accessible to the hot tub users. Installed at a minimum of 5 feet from the hot tub, but within view of the hot tub.

Please have your electrician review these wiring diagrams to ensure the GFCI and pack are properly connected.



Electrical Installation and Requirements

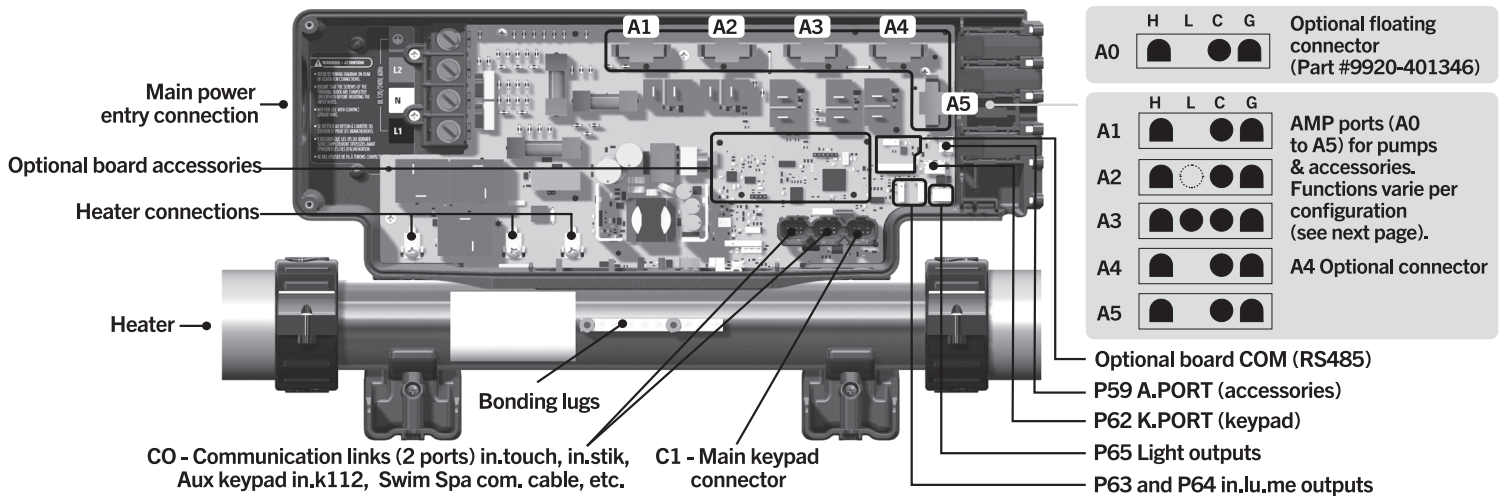
Your Celtic Hot Tub is provided with a bonding lug to accommodate connection to a local ground, such as a metal cold water pipe or length of rebar staked into the ground.

IT'S IMPORTANT TO USE A LOCALLY LICENSED ELECTRICIAN, WHO WILL COMPLY TO LOCAL CODES. Electrical connections made incorrectly or using improperly sized wire can cause damage to the pumps, control pack, or other electrical components and will void the warranty and create unsafe conditions.

The GFCI should be tested frequently.

Caution: always disconnect the electricity before servicing electrical components or removing the door or access panel

Connect all outputs & keypads



Triskelion Hydrotherapy System

Ancient Celtic Symbology suggests that a three sided symbol illustrating motion also can relate to the concept of Spirit, Mind and Body. Our Turbo Boost Whirlpool System offers a passive therapy benefit from the rotating body of water within the hot tub. The alternative setting incorporates the full collection of the Triskelion jets that vary in size and style resulting in a targeted pin point therapy to the different muscle groups within your body.

Overall, the experience of simply soaking in crystal clear hot water, add-in the twist of a whirlpool, or the deep penetrating heat created by the jets and you'll relate to the primary benefits of hydrotherapy and how they improve your **Spirit, Mind and Body.**

2" Mini Boost Jets

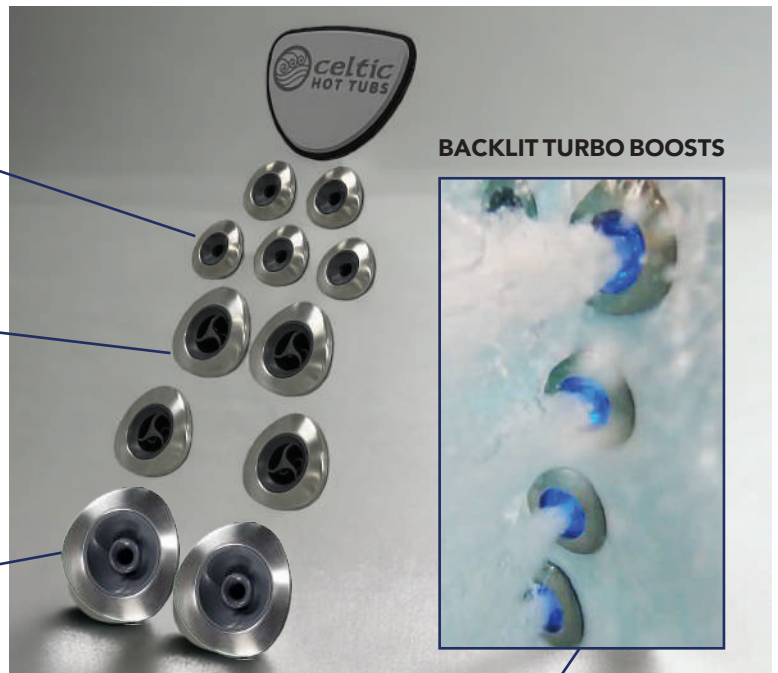
- Used in clusters
- Are positioned for broad and precise targeted areas such as shoulders and legs

3" Interchangeable Adjustable Jets

- Both directional and rotating options
- Turning the jet face will control the flow
- Featured throughout the hot tub

4" Directional Jets

With the same features as the 3" jet, both of these 4" jets offer more water flow & deep penetrating massage



3" Turbo Boost Jets

- Designed for up to 40 gallons per minute
- Works best in clusters and provide maximum hydrotherapy
- Backlit with color L.E.D. lights.

Air Control

Allows you to add air to the jetstream and increase jet performance. Turn the air control off to reduce heatloss for lower cost operation.

Topside Control Panel

Jets • Temperature • Lights • Filtration

Jet Selector

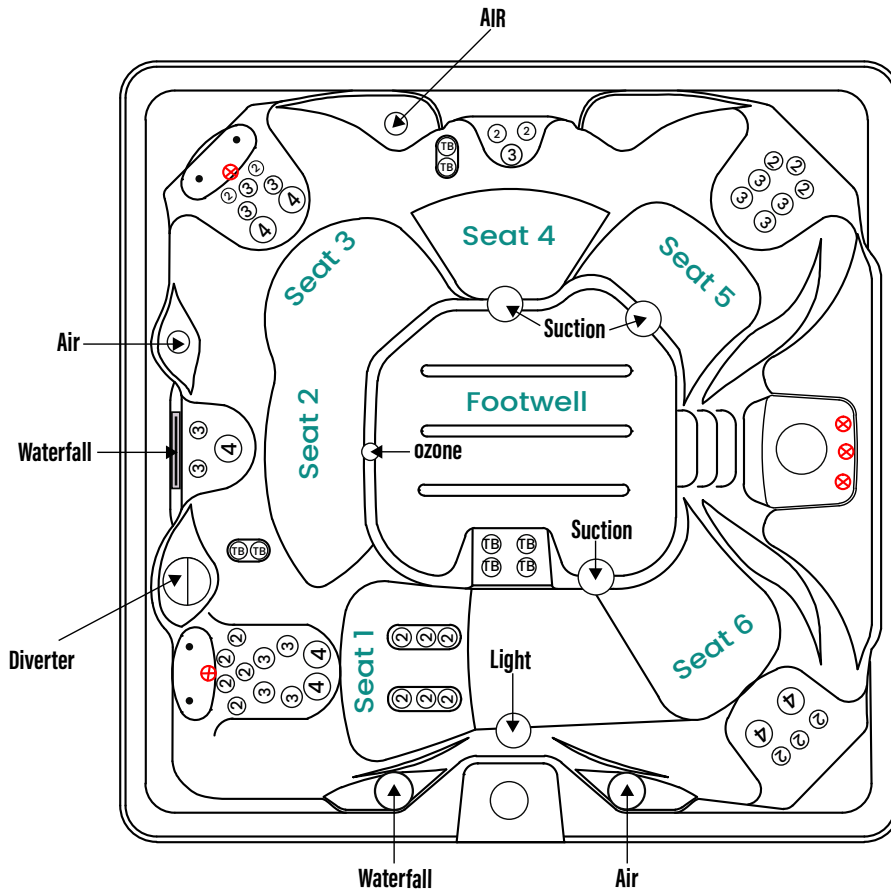
Enables you to activate all jets simultaneously or direct therapy to the powerful turbo boost jets, as well as the various jets dispersed throughout the tub.



CLOVER SUMMIT

Top-Side Plumbing Schematic

MODEL	Clover Summit
DIMENSIONS	84 x 84 x 33.9
DATE	June 2026

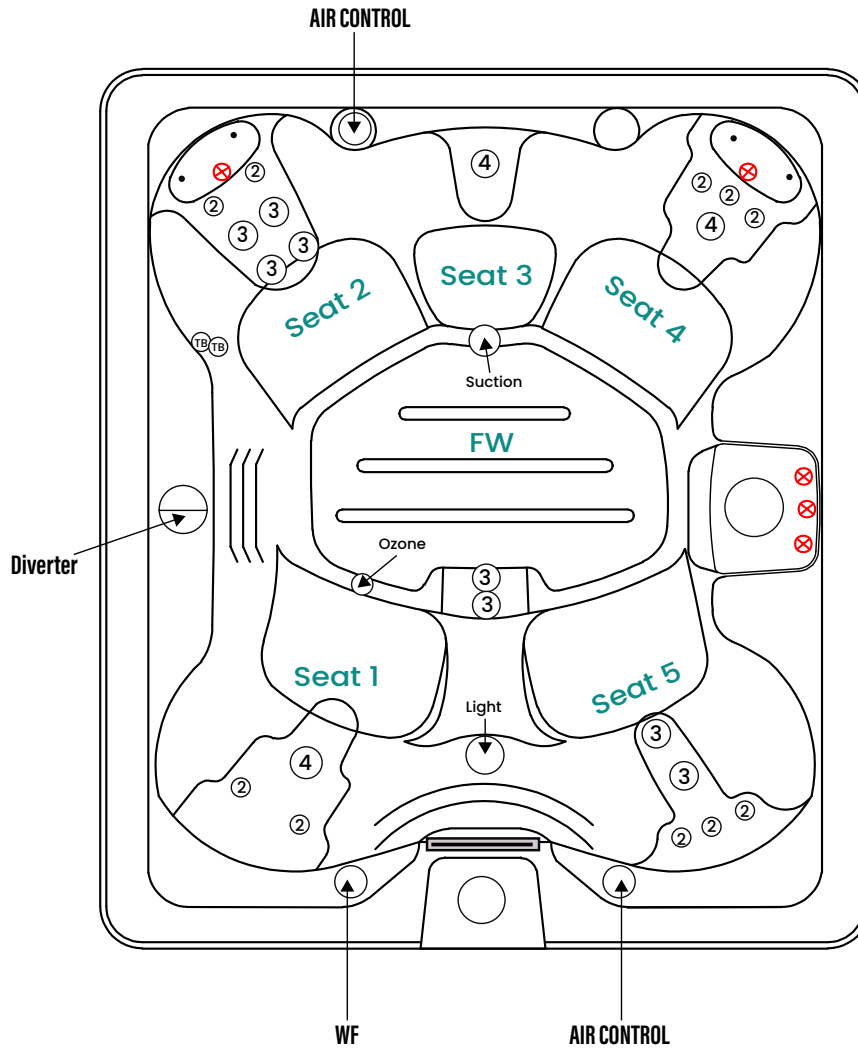


	JET PLACEMENT BY MODEL & SEAT								
	2" D	3" D	3" R	4" D	4" R	5" D	5" R	TB	TOTAL
CLOVER SUMMIT									
Seat #1	11	-	4	-	2	-	-	-	17
#2	-	2	-	1	-	-	-	2	5
#3	2	3	-	2	-	-	-	-	7
#4	2	1	-	-	-	-	-	2	5
#5	3	-	4	-	-	-	-	-	7
#6	3	-	-	-	2	-	-	-	5
FW	-	-	-	-	-	-	-	4	4
Total	21	6	8	3	4	0	0	8	50

SOLSTICE SUMMIT

Top-Side Plumbing Schematic

MODEL	Solstice Summit
DIMENSIONS	82 x 72 x 32
DATE	June 2026

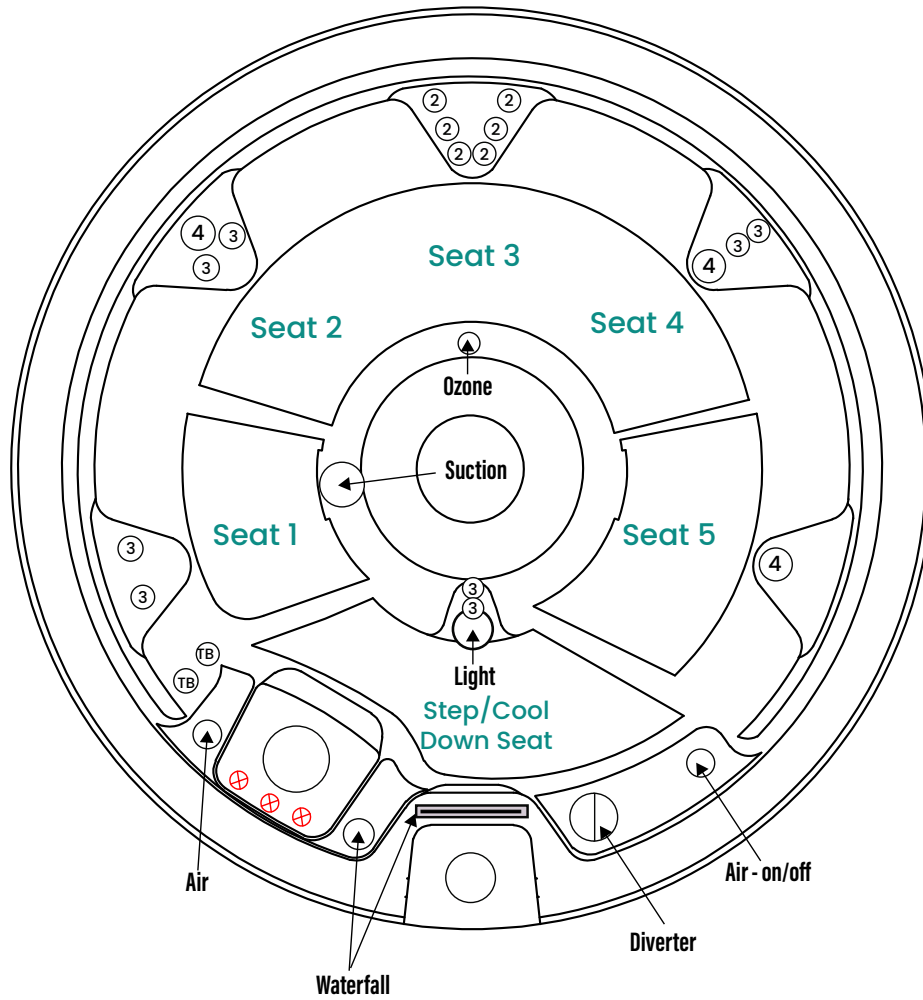


		JET PLACEMENT BY MODEL & SEAT								
		2" D	3" D	3" R	4" D	4" R	5" D	5" R	TB	TOTAL
SOLSTICE SUMMIT	Seat #1	2	-	-	-	1	-	-	-	3
	#2	2	4	-	-	-	-	-	2	8
	#3	-	-	-	1	-	-	-	-	1
	#4	3	-	-	1	-	-	-	-	4
	#5	3	-	2	-	-	-	-	-	5
	FW	-	2	-	-	-	-	-	-	-
	Total	10	6	2	2	1	0	0	2	23

LUNA SUMMIT

Top-Side Plumbing Schematic

MODEL	Luna Summit
DIMENSIONS	78.5 x 78.5 x 33.9
DATE	June 2026

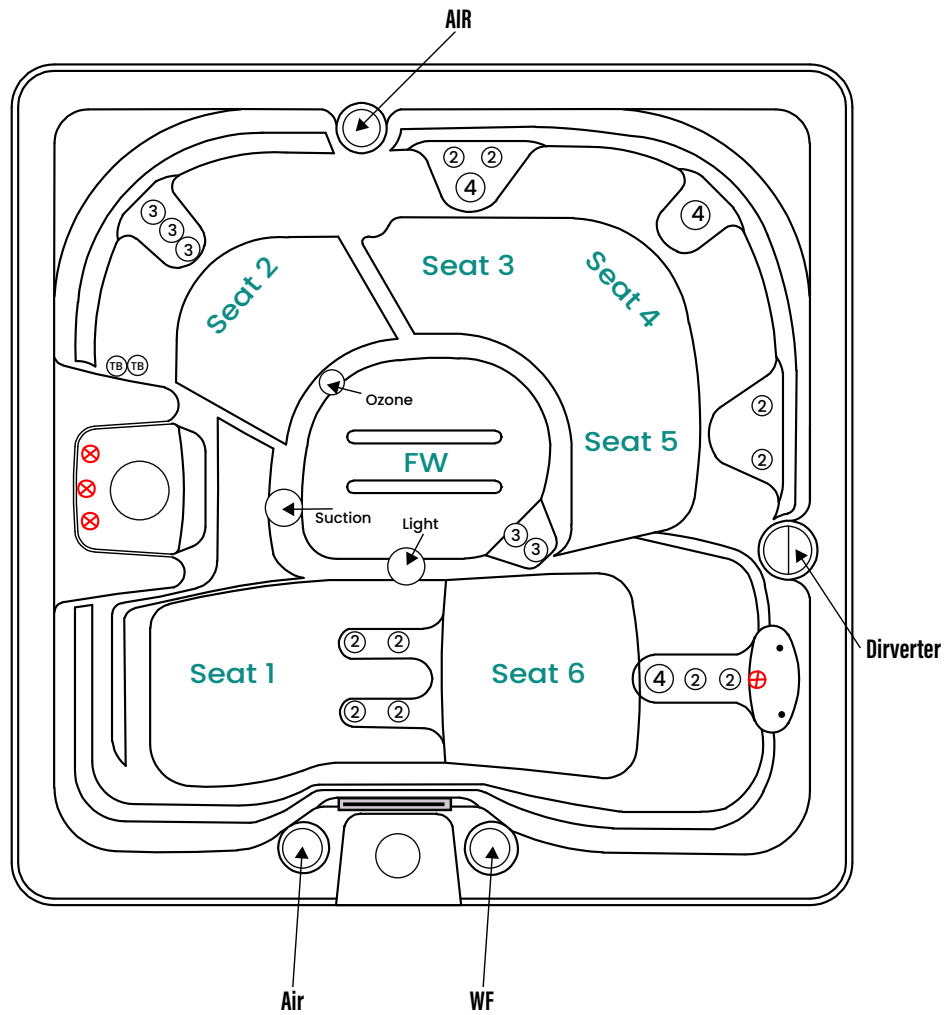


JET PLACEMENT BY MODEL & SEAT									
	2" D	3" D	3" R	4" D	4" R	5" D	5" R	TB	TOTAL
LUNA SUMMIT									
Seat #1	-	2	-	-	-	-	-	2	4
#2	-	-	2	-	1	-	-	-	3
#3	6	-	-	-	-	-	-	-	6
#4	-	2	-	1	-	-	-	-	3
#5	-	-	-	1	-	-	-	-	1
FW	-	2	-	-	-	-	-	-	2
Total	6	6	2	2	1	0	0	2	19

MYSTIC SUMMIT

Top-Side Plumbing Schematic

MODEL	Mystic Summit
DIMENSIONS	78 x 78 x 33.9
DATE	June 2026

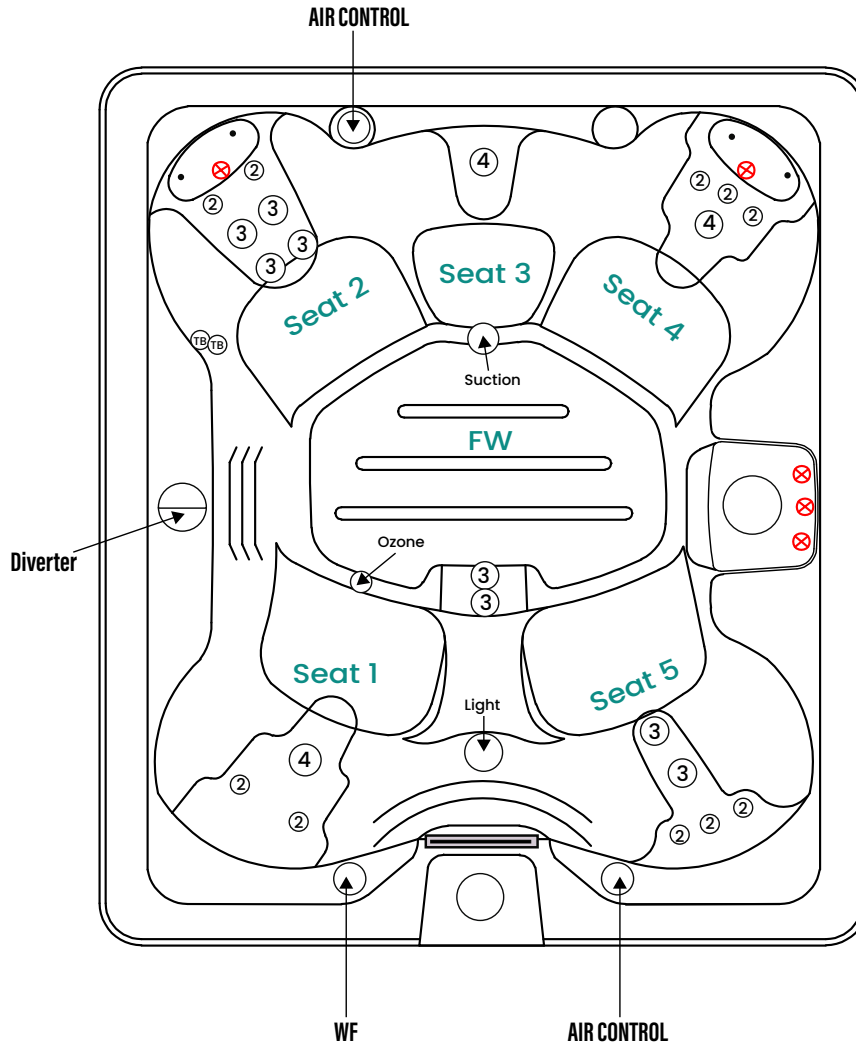


		JET PLACEMENT BY MODEL & SEAT								
		2" D	3" D	3" R	4" D	4" R	5" D	5" R	TB	TOTAL
MYSTIC SUMMIT										
Seat #1		4	-	-	-	-	-	-	-	4
#2		-	-	3	-	-	-	-	2	5
#3		2	-	-	-	1	-	-	-	3
#4		-	-	-	1	-	-	-	-	1
#5		2	-	-	-	-	-	-	-	2
#6		2	-	-	-	1	-	-	-	3
FW		-	2	-	-	-	-	-	-	2
Total		10	2	3	1	2	0	0	2	20

SOLSTICE SUMMIT

Top-Side Plumbing Schematic

MODEL	Solstice Summit
DIMENSIONS	82 x 72 x 32
DATE	June 2026



	JET PLACEMENT BY MODEL & SEAT								
	2" D	3" D	3" R	4" D	4" R	5" D	5" R	TB	TOTAL
SOLSTICE SUMMIT									
Seat #1	2	-	-	-	1	-	-	-	3
#2	2	4	-	-	-	-	-	2	8
#3	-	-	-	1	-	-	-	-	1
#4	3	-	-	1	-	-	-	-	4
#5	3	-	2	-	-	-	-	-	5
FW	-	2	-	-	-	-	-	-	2
Total	10	6	2	2	1	0	0	2	23

Operation and Use Instructions (Gecko 300 Topside)

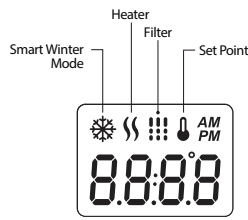
Your Celtic Hot Tub has a variety of controls located above the waterline for customizing your massage and filtration. Please see below for operation instructions:



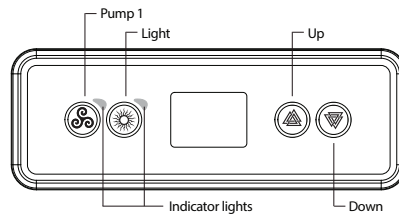
in.k300™ VL260 Oval Panel

Compact full-function keypad

The Quick Reference Card provides an overview of your spa's main functions and the operations accessible from your digital keypad. This QRC depicts a generic overlay, custom versions may vary.



1 Pump Model



Spa Functions



Off Mode

Pressing Pump 1 for 5 seconds will enable the Off mode. This mode allows you to stop all outputs including automatic functions such as filter cycle, heat request and smart winter mode for 30 minutes to perform quick spa maintenance. When Off mode is active, the display will toggle between the "OFF" message, the clock and the water temperature. The spa light will flash for a few seconds before the end of the 30 minutes to warn you that the system is about to resume its normal operation. Press Pump 1 or Pump 2 (if available) to restart the system before the expiration of the 30 minute delay. When the system resumes its normal operation, the display shows "On" for 3 seconds.



Pump 1

Press Pump 1 key to turn Pump 1 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump*). A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.

The "Pump 1" indicator lights up when Pump 1 is on. With a dual-speed pump, the indicator will flash when pump 1 is on at low speed.



Light key

Press Light key to turn light on. A second press turns light off. A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated first.

The "Light" indicator lights up when light is on.



Up/Down keys

Use Up or Down key to set desired water temperature. The temperature setting will be displayed for 2 seconds to confirm your new selection.

2 pump spas have a combined Up/Down key. Hold the button to increase the parameter and release the button to stop. Hold the button again to decrease the parameter.

The "Set Point" icon indicates that the display shows the desired temperature, NOT the current water temperature!

Programming Steps



Program menu

The program menu is accessible by holding down the Light key for 5 seconds. In the program menu the following parameters can be set: clock, the filter or purge cycles, economy mode and temperature units. While you are in the program menu, use the Up or Down key to adjust the parameters and use the Light key to jump to the next parameter. The changes will be saved after the confirmation of the last parameter only. If there is no action taken for 10 seconds, the system will exit the program menu without saving any changes.



Setting the clock

Enter the program menu by holding down the Light key for 5 seconds. The display will show the current clock setting with the hour flashing. Depending on factory settings your system may be set to 24-hour time or 12-hour time.

Setting the hour: Use the Up or Down keys to adjust the hours. Press the Light key to jump to the next parameter, the minutes.

Setting the minutes: Use the Up or Down keys to adjust the minutes. Press the Light key to jump to the next parameter, the filter or purge start time (FS).

Programming the filter/ purge cycles

Depending on system configuration your spa will perform either a filter or a purge cycle. The filter cycle menu consists of the following parameters: the start time (FS), the duration (Fd) and the frequency (FF). The purge cycle menu consists of the following parameters: the start time (FS) and the frequency (FF).

A filter cycle consists of starting all the pumps and blower in high speed for 1 minute (purge step) then, the pump associated with the filter will run in low speed for the remaining duration of the filter cycle (clean step). A purge cycle is used when the spa is equipped with a 24 hour circulation pump which provides a continuous clean step. It consists of starting all the pumps and blower in high speed for 1 minute.

Operation and Use Instructions (Gecko 300 Topside)



Setting filter or purge cycle start time
The display will show FSxx, "xx" representing the starting hour of the cycle. Use the Up or Down key to adjust the hours. Use the Light key to jump to the next parameter, filter duration (Fd).



Setting filter cycle duration
(not available on purge systems)
The display will show Fdxx, "xx" representing the duration in hours of the filter cycle. Use the Up or Down key to adjust the duration. Use the Light key to jump to the next parameter, filter or purge frequency (FF).
0 = no filtration
24 = continuous filtration
It is not recommended to set this to "0".



Setting filter or purge cycle frequency
The display will show FFxx, "xx" representing the number of cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, economy mode (EP).

The "Filter cycle" indicator lights up when filter is on and flashes when suspended.



Setting economy mode
This mode allows you to lower the temperature set point of the spa by 20 °F (11 °C) during a certain period of the day. The display will show EPx, "x" representing the state of the programmed economy (0 = disabled, 1 = enabled). Use the arrow keys to enable or disable economy mode. Use the Light key to jump to the next parameter, economy start time (ES).



Setting economy start time
The display will show ESxx, "xx" representing the hour at which the economy mode will become active. Use the Up or Down key to adjust the hour. Use the Light key to jump to the next parameter, economy duration (Ed).

When the Economy mode is ON, the display will toggle between the "Eco" message, the time, and the water temperature.



Setting economy duration
The display will show Edxx, "xx" representing the duration in hour of the economy mode. Use the Up or Down key to adjust the hour. Use the Light key to jump to the next parameter, temperature unit.

24 = continuous economy



Setting temperature unit
Water temperature can be displayed in either Fahrenheit (°F) or Celsius (°C). The display will show F or C. Use the Up or Down key to change the setting. Use the Light key to save all the parameters.



Smart Winter Mode
Our Smart Winter Mode protects your system from the cold by turning pumps on several times a day to prevent water from freezing in pipes. The "SWM" indicator lights up when freezing is detected and flashes when the purge is active.

Note that the parameters for the economy mode settings are associated to specific low level configuration of the system that are not present in all software revisions.

Troubleshooting section

in.xe error codes

Description



Hr - An internal hardware error has been detected in the in.xe. Contact dealer or service supplier



HL - The system has shut the heater down because the temperature at the heater has reached 119°F (48°C). Do not enter the water! Remove the spa cover and allow the water to cool down, then shut power off and power your spa up again to reset the system.



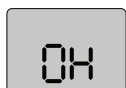
AOH - Temperature inside the spa skirt is too high, causing the internal temperature in the in.xe to increase above normal limits. Open skirt and wait until error clears.



FLO - The system does not detect any water flow while the primary pump is running. Check and open water valves. Check for water level. Clean filter. If the problem persists, call your dealer or service supplier.



Pr - A problem is detected with the temperature probe. Call your dealer or service supplier.



OH - The water temperature in the spa has reached 108°F (42°C). Do not enter the water! Remove the spa cover and allow the water to cool down to a lower temperature. Call your dealer or service supplier if problem persists.

1 Pump - Operation and Use Instructions

Main Functions



Settings key

One press gives you access to a menu to manage the settings of your spa. Refer to the settings section for details about the settings menu.

Main screen

The main screen gives you access to your accessories and water temperature. At the bottom of the screen you will see any error or maintenance messages that are present.

Power

Press any button to turn the keypad on. After 30 minutes without activity it will shut off.

Start or stop accessories

To start or stop an accessory, press the associated button. Icons will become animated when their accessory is turned on, and inanimate when turned off. Icons on the screen will reflect the speed or state of the devices running on your spa.

When an accessory has more than two states, press the button until it reaches the desired state.

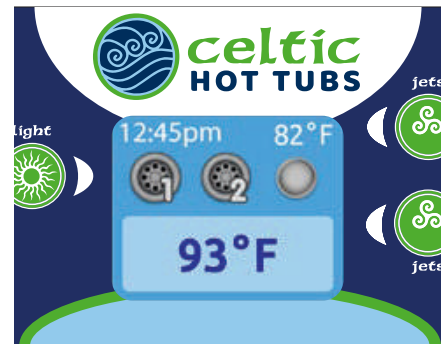
Note (version 14.00 and higher): A special buttons and icons mapping may be used when the spa configuration has 4 accessories (3 pumps and a blower or 4 pumps and no blower). In this case only, buttons and icons are divided in 2 sets of accessories. Button #1 starts or stops pump #1 and pump #2. Button #2 starts or stops Pump #3 and Pump #4/blower. Corresponding icons will be animated when one or more accessories are on.*

** Only Pump #1 can have a dual speed.*

Mode key

Successive presses on the Mode key will give access to control different optional accessories of your spa such as Audio and others. Note that if an accessory is not present in your spa configuration, its menu will not appear. Refer to the following section to get details about the possible accessories and their detailed functionalities. The screen will revert back to the spa mode if no key is pressed for 60 seconds.

If you don't have any accessories, Mode key can be used to change your display orientation

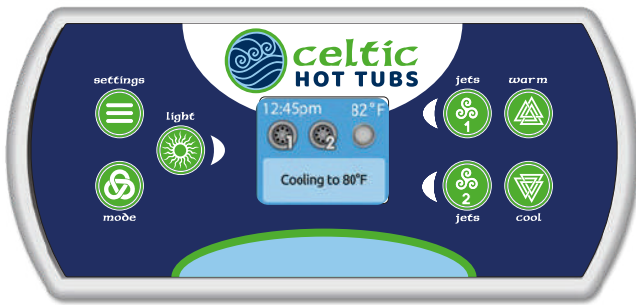


Water temperature

The temperature shown at the top of the screen gives the actual water temperature.

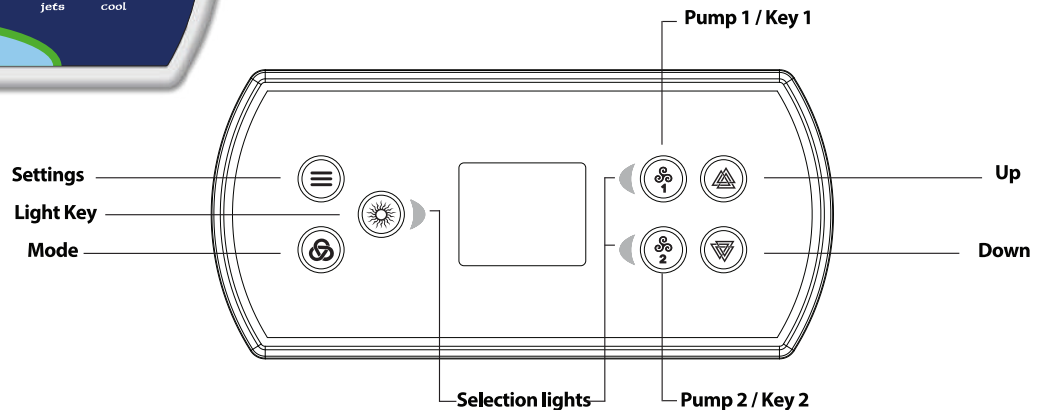
Use the Up and Down buttons to set the desired temperature. The set point will appear in blue at the bottom. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display of messages.

2 Pump - Operation and Use Instructions



in.k500 intuitive color keypad

The in.k500 is built with all the great features you've come to love in the in.k800, but in a smaller package. It is discreet, compact, and unobtrusively beautiful. Save space without losing out on function.



**Functions for keys 1 and 2 will depend on your system's low level configuration.*

Main Functions



Settings key

One press gives you access to a menu to manage the settings of your spa. Refer to the settings section for details about the settings menu.

Main screen

The main screen gives you access to your accessories and water temperature. At the bottom of the screen you will see any error or maintenance messages that are present.

Power

Press any button to turn the keypad on. After 30 minutes without activity it will shut off.

Start or stop accessories

To start or stop an accessory, press the associated button. Icons will become animated when the accessory is turned on, and inanimate when turned off. Icons on the screen will reflect the speed or state of the devices running on your spa.

When an accessory has more than two states, press the button until it reaches the desired state.

** Only Pump #1 can have a dual speed.*

Mode key

Successive presses on the Mode key will give access to control different optional accessories of your spa such as Audio and others. Note that if an accessory is not present in your spa configuration, its menu will not appear. Refer to the following section to get details about the possible accessories and their detailed functionalities. The screen will revert back to the spa mode if no key is pressed for 60 seconds. If you don't have any accessories, Mode key can be used to change your display orientation



Water temperature

The temperature shown at the top of the screen gives the actual water temperature.

Use the Up and Down buttons to set the desired temperature. The set point will appear in blue at the bottom. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display of messages.

Settings



Settings

From the home page you can access the Settings, where you will find:

- Water Care
- Heat Pump (if installed)
- Audio (if installed)
- in.clear-200 linked version (version 13.00 and higher)
- Standby (version 6.00 only)
- Maintenance (version 7.00 and higher)
- Date & time
- Keypad
- Wi-Fi (Version 7.00 and higher. Only available on in.touch with software 11.00 and higher.)
- Config *
- Restore *
- About

Use the arrow keys to move up and down in the list. To select an option, press the lit button beside it (Light button). At any point you can press the Settings button to return to the home screen.

*Reserved for qualified electricians installers



Modifying Schedules

Use the arrow keys to scroll through the Water Care selections. To see and/or modify a Water Care category, use the lit button to the right (key 1) to open the selected Water Care menu. Use the arrow keys to choose a schedule to modify (choice of economy and filtration schedules).

Use the Light key to move between parameters. You have several possibilities for the schedule (Mon-Fri, weekend, every day, or single days). The schedules will be repeated every week.

The time and duration are set in 30 minute increments. Once you have set the schedule, use Key 1 to go back. Ensure that you have selected the desired Water Care option in the main Water Care menu.

If your spa uses a circulation pump configured to run 24 hours, the screen will show you the purge setting instead of filtration. The purges are pre-programmed for a fixed number of minutes, therefore the duration will be set to N/A on the screen, and only the start time can be modified.



Water Care

The Water Care section will help you set up your ideal filtration and heating settings. Choose a mode depending on your need.

Use the Light key to choose your setting. A checkmark will appear on the selected icon to confirm. In Economy mode, the set point will be reduced by 20°F*, which means that the heating system will not be engaged unless the temperature falls to 20°F below the spa's set temperature.

*Default pack value

Water Care Modes



Away:

In this mode the spa will always be in economy; the set point will be reduced by 20° F*.



Standard:

The spa will never be in economy mode and will be filtering according to the pack's low level configuration.



Energy Savings:

The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend*.



Super Energy:

The spa will always in economy mode during peak hours, every day of the week*.



Weekender:

The spa will be in economy mode from Monday to Friday, and will run normally on the weekend*.

Settings



Maintenance

From the Settings page you can access the Maintenance menu, which gives you access to the following options:

- Maintenance reminders
- Standby

Use the Up and Down keys to make a selection, and Light key to confirm.



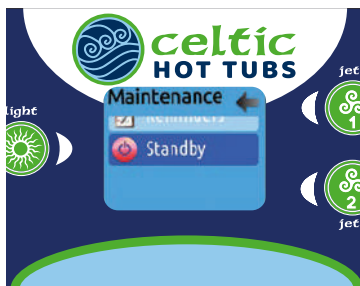
Maintenance Reminders

The in.k500 keypad will remind you of maintenance required on your spa, like rinsing or cleaning the filter. Each task has its own duration, based on normal use.

The Maintenance reminders menu allows you to verify the time left before maintenance is required, as well as to reset the time once a task is completed.

Use the Up and Down keys to move through the list.

To reset a task select it by pressing Light key, then confirm when prompted. Once you have confirmed the task will be reset.

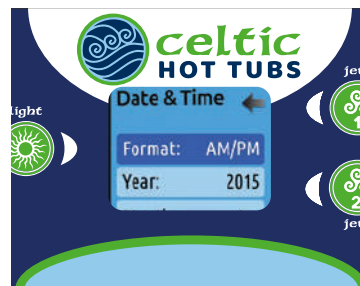


Standby

The Standby mode allows you to service your spa. Pumps will stop for 30 minutes, and automatically restart after this time.

Once Standby mode has been activated a screen will appear to show that pumps are stopped. The normal spa page will return at the end of maintenance.

Press on the Light key to leave Standby mode and restart the spa.



Date and time

Here you can adjust the time format, change the year, date and time. Use the arrows to choose the setting that you want to adjust, and select it by pressing the Light key. Use the arrow buttons to change the parameters, and the Light key to move between parameters.

Key 1 will take you back to the main Settings menu.



Keypad settings

In this section, you can change the temperature unit, language, display orientation, rim light color and keypad security. Note the spa pack must be configured accordingly to be able to change the rim light color.

When you change the display orientation, the contextual options and arrow keys adjust to the chosen orientation. The Mode and Menu keys remain unchanged, as well as the accessory keys in the main spa menu.

Settings



With the in.k500 equipped with a selectable rim light color modul: If the "RGB backlight" option is enabled in the spa configuration an option will appear to allow selection of the keypad rim light color.

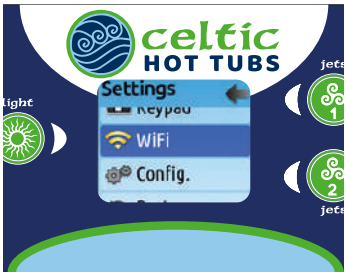
You can lock the keypad by selecting one of 3 security levels: Unlock, Partial or Full. The Partial level locks the set point adjustment and many options in the settings menu. The Full level locks all keypad functions. To unlock the keypad (either Partial or Full), press and hold the Light key for 5 seconds.



About

This section shows information about the in.k500 software number, and the revision numbers of the different components of your system.

Wi-Fi (in.touch only)



WiFi

For more details about other in.touch connection methods please see the in.touch techbook.

To connect your in.touch module to a wireless network, use the Up/Down keys to go to the WiFi option in the Settings menu and Light key to select it.



After a few seconds the available networks will appear on the screen, as well as their signal strength.

Use the Up/Down keys to move through the list. Select your network by pressing on Light key.

If the WiFi network is password protected enter it when prompted.

- Use the arrow keys to choose your letters and change the type of character (uppercase, lowercase, number, symbol).
- Use Key 2 to move the cursor forward
- Use Key 1 to backspace
- Use Light key to confirm

If no password is required the in.touch will connect automatically.



Once the in.touch module is connected to a WiFi network a check mark in a green circle will appear in the WiFi menu, and the network logo will change to green in Settings menu.

Note: WiFi logo color in Settings menu corresponds to the in.touch connection state.

- Yellow = not connected
- Green = connected to a network
- Yellow with wait icon = connection attempt to a network
- Red with wait icon = in.touch no longer detected (in.touch must be reset before next connection attempt)

in.mix / Celtic Glow LED Color Lighting



in.mix operation

This menu is only present if an in.mix system is detected.

Press on the Mode key to access your in.mix.

By default, the in.mix selects Zone 1 when you access the menu. After the first use, the menu will automatically return to the last zone selected.

Zone selection

The zone selection keys allow you to select a zone to modify its color.

- Press once to select the zone.
- Press a second time to deactivate the zone.

Changing colors

Once a zone is selected, use the arrow keys to change the colors by moving up and down in the color wheel.

Synchronizing zones

The synchronization/desynchronization key allows you to match the color of the selected zone to the other zones.

Hot Tub Start Up Procedures

Once your hot tub is installed on its foundation and all electrical requirements have been met, you are ready to begin the startup procedure.

Before filling your hot tub, all shut-off slice valves must be OPEN. There are two or four twist lock slice valves located in the equipment area that are used to isolate water from the equipment area if your pumps or packs need to be serviced. To open the gate valves, turn the valve T-handle $\frac{1}{4}$ turn to unlock and then pull up approximately 3 inches until it stops and snaps into place. The hot tub is shipped with the gate valves open with snap locks to hold the valves in the open position.



Before turning on the power to your hot tub, you will need to fill your it with a garden hose. It is ideal to fill your hot tub through the filter area. Remove the telescoping weir (see photo #1) by pulling it directly up. Remove and unwrap the filter cartridge (see photo #2) – turn counterclockwise and pull up. Place the garden hose in the filter bucket (see photo #3) and turn on the water. Fill until the water level reaches the waterline recommendations next page.



Hot Tub Start Up Procedures

Fill the tub with water up to the waterline indicated by the sticker, as shown in the image below. This marks the minimum water level needed for the tub to operate properly. Once you've found your ideal water level, feel free to remove the sticker and enjoy your soak!



Spa Cover Installation

Every Celtic Hot Tub is shipped with a high quality cover that meets or exceeds all safety requirements and carries the ASTM Certificate of Product Compliance. It is the responsibility of the homeowner to install the cover and lock mechanisms prior to filling the hot tub with water. The cover must be locked at all times when not in use to prevent unauthorized access.

As stated in the warranty, your hot tub cover must remain on the tub except for when in use. Never leave the tub uncovered when tub is empty. Exposure to direct sunlight can cause permanent damage to the tub shell and will not be covered under warranty.

Operation and Use Instructions

There are two types of valves on the top rail of your hot tub that rotate to adjust your therapy level and performance. The larger valve is a jet selector that adjusts flow between two areas depending on the model. The smaller valve is in an air control.



- Turn the air control knob to add air to the jet stream. Turn counterclockwise to open the air to the jets, or turn clockwise to turn off the air. The air control should remain closed when the spa is not in use (this will maximize heating efficiency).
- Turn the jet selector knob to move waterflow from the standard back jets to the turbo boost jets, depending on your hot tub model.
- The waterfall in your hot tub is controlled by rotating the integrated silver handle like a standard faucet handle. The waterfall should be turned off when the hot tub is not in use. If your waterfall becomes clogged with debris, it can be cleaned out by pulling the handle forward and off. Then use a 19 mm socket drive to carefully remove the internal components and flush out using a garden hose. Then replace the valve mechanism using care not to damage or pinch the O-ring seals.



Draining Your Hot Tub

Celtic Hot Tubs are equipped with a drain valve mounted directly to the side of the cabinet. Follow these steps to drain your hot tub safely:

1. Turn off the GFCI breaker in your hot tub sub panel or unplug your 110v GFCI plug.
2. Attach a garden hose and route the hose away from the house foundation to an appropriate area. Use caution around plants if your sanitizer level is high.
3. Turn valve counter clockwise to the OPEN position (Figure 2)
4. **WARNING: PLEASE BE AWARE THAT DRAINING YOUR HOT TUB IN WEATHER CONDITIONS BELOW 32 DEGREES FAHRENHEIT COULD LEAD TO DAMAGE TO THE PLUMBING AND/OR HEATER. FREEZE DAMAGE IS NOT COVERED BY THE WARRANTY.**



Figure 1. Valve is closed



Figure 2. Valve is open

General Maintenance

Hot Water Chemistry

There are a few things that need to be checked and adjusted regularly to maintain the cleanliness of your hot tub water. Your dealer will be able to supply you with test strips and the appropriate chemicals. Keep in mind that these steps must be done in order.

When possible, it is ideal to rinse off lotions, hair products and sweat prior to entering the hot tub. The less contaminants that enter the hot tub, the easier it will be to treat the water.

Ozone:

Your Celtic Hot Tub (not including the Resort Series) is equipped with our Celtic Clean ozone generator that will reduce your dependence on chemicals like bromine and chlorine. Please replace every two years for best results.

Step 1: Total Alkalinity

- Total alkalinity acts as a 'buffer' for the pH. It is a measure of the water's ability to resist changes in the pH.
- If total alkalinity is too high, the pH level will be difficult to bring down. Either add more water to your hot tub or add sodium bisulfate (alkalinity down).
- If total alkalinity is too low, the pH will fluctuate erratically and cause scaling and corrosion issues in your hot tub. Add sodium carbonate (alkalinity up) to correct.
- The ideal range for total alkalinity is between 80 and 120.

Step 2: pH

- pH is the measure of how acidic or alkaline your water is. If the pH is out of the correct range, equipment may become damaged and the water will become uncomfortable.
- If the pH is too high (alkaline), you may experience ineffective sanitizers, scale buildup, cloudy water and a clogged filter. Add sodium bisulfate (pH down) to correct it.
- If the pH is too low (acidic), sanitizers will dissipate more quickly, equipment may corrode, and the water will be very drying to your skin. Add sodium carbonate (pH up) to correct.
- pH level between 7.2 and 7.6 is ideal.

Step 3: Calcium Hardness

- High calcium levels or 'hard water' can cause scale build up inside the plumbing system. Add calcium reducer to correct.
- Low calcium levels can cause the hot tub water to become highly corrosive. Add calcium hardness increaser to correct.
- The proper calcium hardness level is between 150 and 250 ppm.

General Maintenance

Step 4: Sanitizers

- DO NOT add Chlorine or Bromine until total alkalinity, pH, and calcium hardness are adjusted to the appropriate level.
- Chlorine and Bromine are measured in parts per million (ppm).
- When using an ozonator, 2-4 ppm is the ideal range. Increase by 1ppm if your hot tub does not have an ozonator.

NOTE: After adding water treatments, you must run the hot tub on high speed for approximately 15 minutes to circulate the chemicals and allow off gassing. Please leave the cover off during this time to avoid damage to the cover.

DOs and DON'Ts

- Do use granular sodium dichlor (chlorine) only
- Do prevent damage by removing the hot tub cover prior to adding chemicals and leave off for 30 minutes after to allow for proper off-gassing
- Do sprinkle any chemicals on the water's surface unless it is above the filter
- Do only use sanitizers that are designed for hot tub use only
- Don't use any formed tablet or bar sanitizers
- Don't place chemicals into the filter basket, floating weir, or skimmer face
- Don't distribute chemicals using a floater
 - They have a tendency to over-sanitize or under-sanitize your water
 - Damage to the shell may occur
 - This won't be covered under warranty
- Don't splash chemicals on to the shell (if you do - clean immediately with a hose and cloth)
- Don't lower pH with swimming pool (muriatic) acid
- Don't use household bleach to clean the water



CELTIC SUMMIT HOT TUBS LIMITED WARRANTY

GPM Brands, Inc., makers of Celtic Summit Hot Tubs, offers this Limited Warranty solely to the original purchaser and applies to residential use only.

Please read this entire Limited Warranty as exclusions and conditions do apply.

10 YEAR SHELL STRUCTURE LIMITED WARRANTY: We warrant the Celtic Summit Hot Tub shell not to leak through the shell structure for ten years from the original tubs purchase date.

5 YEAR SHELL SURFACE LIMITED WARRANTY: We warrant the Celtic Summit Hot Tub shell surface finish not to crack, wrinkle, blister, peel for five years from the original hot tubs purchase date.

3 YEAR CABINET LIMITED WARRANTY: We warrant the Celtic Summit Select Cabinet against degradation and cracking for three years. (Bowing that can occur under some conditions is considered normal and excluded from this limited warranty. Also, normal wear and weathering that occur over time are not defects.)

3 YEAR EQUIPMENT LIMITED WARRANTY: We warrant the Celtic Summit Hot Tub Equipment (pumps, heater, control pack, and topside control) for three years.

3 YEAR PLUMBING LIMITED WARRANTY: We warrant the plumbing of the tub will not to leak due to defects in material and workmanship for three years.

3 YEAR THERAPY JETS LIMITED WARRANTY: Jet internals are warranted against malfunctions due to defects in material for a period of three years. Jet internals are considered to be Easily Removed Components. After initial delivery and startup, discoloring or fading of the plastics, corrosion of any stainless steel components are specifically excluded from these warranty terms. Defective components that are easily removed from the spa and that can be readily replaced by the customer and do not require specialized tools or knowledge or create personal safety issues all of which are considered Easily Removed Components, will be repaired or replaced free of charge at your Celtic Hot Tub Dealer or by sending the effective components to GPM Brands.

10 YEAR OPTIONAL POLYETHYLENE LIMITED WARRANTY: We warrant the Celtic Polyethylene Cabinet against degradation and cracking for ten years. (Bowing that can occur under some conditions is considered normal and excluded from this limited warranty. Also, normal wear and weathering that occur over time are not defects.)

1 YEAR OPTIONAL VINTAGE CABINET LIMITED WARRANTY: We warrant the Celtic Vintage Cabinet against degradation and cracking for 1 year. (Vintage cabinets are real wood and must be maintained. Bowing that can occur under some conditions is considered normal and excluded from this limited warranty. Also, normal wear and weathering that occur over time are not defects.)

2 YEAR OPTIONAL EQUIPMENT LIMITED WARRANTY: We warrant the Celtic Hot Tub Optional Equipment (Ozone Generator and LED Lights) for two years.

WARRANTY REGISTRATION AND WARRANTY CLAIM PROCEDURE

The original retail purchaser should register their hot tub purchase within 10 days from the date of original retail purchase to establish proof of purchase with GPM Brands, Inc.

Failure to register does not void this limited warranty but, upon any warranty claim, proof of purchase must first be provided to confirm original purchase date to the original retail purchaser. Hot tub registration can be submitted online at www.celtichottubs.com.

In the event of a warranty claim of a defect or malfunction covered under the provisions of this limited warranty, the original retail purchaser must first notify in writing the retail dealer who sold the hot tub within ten days of the initial malfunction or discovery of defect. If the retail dealer does not provide service, then the purchaser should contact Celtic Hot Tubs customer service department, via the website (www.celtichottubs.com), or provide written notice of the malfunction or defect at the address below. Upon notice of the warranty claim, the retail dealer or an approved independent service center representative will arrange inspection of the hot tub with the retail purchaser to determine

if the claimed malfunction or defect is a covered malfunction or defect under this limited warranty. If it is determined that the malfunction is not covered by this limited warranty, the cost of the service call is the sole responsibility of the purchaser. If it is determined that the malfunction or defect is covered under this limited warranty, we, through the retail dealer, or approved independent service center will repair or replace the covered item. In the event of hot tub replacement, the replacement hot tub will carry the balance of the original hot tub warranty from the original retail purchase date.

We reserve the right for our dealers or approved service centers to collect from the retail purchaser reasonable travel expenses. In addition, access charges will be assessed if the hot tub is not reasonably accessible for inspection, repair or replacement. This limited warranty is extended to the original retail purchaser and is not transferable. This limited warranty becomes void upon the transfer of ownership of the hot tub or moving of the hot tub to a different location, if not moved by an authorized Celtic Hot Tub dealer.

EXCLUSIONS

This limited warranty is enforceable by the original retail purchaser from the date of the original retail purchase. Hot tub pillows, cover or any dealer installed accessories are specifically excluded from this limited warranty. All warranties are void if the hot tub is placed in commercial service. Normal wear and weathering of finishes and components are not defects and specifically excluded from this limited warranty. In the event it is necessary to move the hot tub from the residential premises to repair or replace any warrantable item, any and all cost of hot tub removal, transportation of the replacement hot tub, damages to landscaping, decking, fencing or other structural alteration, or any costs to obtaining access to the hot tub is the sole responsibility of the purchaser.

LIMITATIONS

This limited warranty is void if the hot tub has been subject to misuse, alteration or attempted alteration, repairs or attempted repairs by a non-approved service center or if a failure or malfunction is due to improper water chemistry, improper maintenance or lack of normal maintenance as prescribed in the Celtic Hot Tub Owner's Manual, an act of God, weather conditions, animals, rodents, pests, or any damage from causes beyond the control of GPM Manufacturing LLC. Misuse or abuse shall mean operation of the hot tub other than in conformity with the Celtic Hot Tub Owner's Manual.

Such misuse and abuse shall include but not be limited to the following:

- Damages or malfunction caused by failure to provide even, proper support to the hot tub is specifically not covered by this Limited Warranty. The spa must be on a uniformly firm, continuous, level surface. The recommended foundation is a concrete pad with a minimum thickness of four inches with steel reinforcement bars crossed throughout the pad.
- Damage of the hot tub surface and components caused by leaving the hot tub uncovered or due to covering the hot tub with plastic film of any kind.
- Damage to the hot tub surface and components caused by use of a non-insulated cover or unapproved cover not provided by Celtic Hot Tubs when the hot tub is subject to weather conditions and sun.
- Damage to the hot tub surface and components caused by contact with unapproved cleaners or solvents.
- Damage caused by the operation of the hot tub at water temperatures outside the range of 34 degrees F to 104 degrees F.
- Freeze damage.
- Damage caused by unapproved sanitizers such as calcium hypochlorite, sodium hydroxide, tri-chlor type chlorines or any sanitizing chemical that may remain undissolved on the hot tub surface.
- Damages or malfunction due to dirty, clogged, calcified filters or use of an unapproved filter cartridge.
- Damages or malfunction caused during installation of the hot tub.

DISCLAIMERS

GPM Brands, Inc. and its authorized agents shall not be liable for any injury, loss, cost or other damage, whether incidental, consequential, special or punitive, arising out of any defect covered by this limited warranty, including without limitation, loss of use of the hot tub and cost of removal of defective product, even if GPM Brands, Inc. has been advised of the possibility of such damage. The liability of GPM Brands, Inc. under this limited warranty, if any, shall not exceed the original amount paid for the defective product. Coverage under this limited warranty shall commence as of the original date of purchase and the duration of such coverage shall not extend for any reason whatsoever beyond the stated time period. These disclaimers shall be equally applicable to any service provided by GPM Brands, Inc. or its authorized agents.

LEGAL RIGHTS

This Limited Warranty gives you specific legal rights. You may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you. Prompt return of a completed warranty registration form protects your warranty rights.



celtic
HOT TUBS

3100 Bowling Green Rd, Franklin, KY 42134 • 270.306.6220 • celtichottubs.com

