



Calm

OWNERS MANUAL

bullfrog[®]
spas

QUICK REFERENCE

To assist you with the installation and maintenance service of your new spa, please fill out the following information and keep it on hand for future reference.

My Spa Information

Model: _____

Serial Number: _____

Dealership: _____

Dealer's Phone Number: _____

Date Purchased: _____

Date Installed: _____

Contractor Information

General

1. Name: _____

Telephone: _____

2. Name: _____

Telephone: _____

Electrician

1. Name: _____

Telephone: _____

2. Name: _____

Telephone: _____

Concrete, Decking, and Masonry

1. Name: _____

Telephone: _____

2. Name: _____

Telephone: _____

Landscaping

1. Name: _____

Telephone: _____

2. Name: _____

Telephone: _____

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Congratulations on your purchase of a Bullfrog Spas Calm hot tub.

NOTE: In this document, the terms “Spa” and “Hot Tub” are used interchangeably. Take a moment to read this manual carefully. Following the instructions in this manual will ensure the safe and smooth operation of your new spa.

Carefully read this Owner’s Manual before you install your spa. Your Bullfrog Spas Limited Warranty may be voided if damage is caused by failure to install, maintain, and operate your spa in accordance with the recommendations contained in this Owner’s Manual or any other printed instruction, notice or bulletin from Bullfrog Spas. Your spa’s serial number is located both on the base under the equipment door and the Manufacturing ID Label located inside the equipment compartment of your spa.

For the safety of all those who utilize your spa and its surroundings, please make sure your spa and any adjoining installations, including the electrical hook-up, are completed according to codes of and only after acquiring any necessary approvals and permits from your local, state/provincial, and/or national government. Follow all local, state, and national safety and wiring rules. Some jurisdictions require certain fencing and/or self-closing and self-latching gates to prevent accidental drowning in a pool or spa. Your spa cover comes with a locking system that meets the ASTM F1346-91 Standard for Safety Covers, which when properly used, may satisfy certain fencing and gating requirements. Your spa meets or exceeds all requirements of the Virginia Graeme Baker Pool and Spa Safety Act. Your spa has been tested and either meets or exceeds the UL-1563 portable spa standard.



Patents: www.bullfrogspas.com/patents

U.S. Patents: 7,908,684, 8,661,576, 8,881,321, 8,689,370, 8,869,469, 5,754,989, 5,987,663, 6,000,073, 6,092,246, 6,256,805, 6,543,067

New Zealand Patent: 555112, 334,093

Australia Patent: 737,335

Canada Patents: 2,588,884, 2,260,237, 2,915,184

Other patents pending worldwide

Calm spas include the following models:

CALM: Calm7, Calm7L, Calm6

Bullfrog Spas reserves the right to change features, specifications & design without notification and without incurring any obligation.

Help us ensure the very best hot tub ownership experience by registering your warranty. Use the QR code or this link to register: bullfrogspas.com/warranty-registration.



Spa Registration

IMPORTANT SAFETY INSTRUCTIONS

Safety Instructions

When installing and using this electrical equipment, basic safety precautions should always be taken, including the following:

Read and follow all instructions:

▲ **WARNING:** To reduce the risk of injury, do not permit children to use this product unless closely supervised at all times.

As per UL requirements (U.S.), a wire connector is provided on this unit to connect a minimum No. 8 AWG (8.4mm²) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5m) of the unit.

▲ **WARNING:** For products provided with a cord-connected, ground-fault circuit-interrupter, the GFCI must be tested before each use. If the GFCI fails to operate properly, disconnect the power until the fault has been identified and corrected.

▲ **DANGER:** Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.

▲ **DANGER:** Risk of Injury. The suction fittings in the spa are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure that the flow rates are compatible. Never operate the spa if the suction fittings are broken or missing. Do not replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

▲ **DANGER:** Risk of Hair Entrapment. The spa includes parts that rotate and/or oscillate. Extreme caution must be exercised by those with long hair to avoid contact with moving parts and potential entrapment. It is highly recommended that hair is controlled and/or kept out of the water in such a way as to avoid moving spa parts.

▲ **DANGER:** Risk of Electric Shock. As per UL requirements (U.S.), install spa at least 5 feet (1.5m) from all metal surfaces. A spa may be installed within 5 feet (1.5m) of metal surfaces if each metal surface is permanently connected by a minimum of No. 8 AWG

(8.4mm²) solid copper conductor to the wire connector on the terminal box that is provided for this purpose.

▲ **DANGER:** Risk of Electric Shock. Do not permit any electrical appliances, such as a light, telephone, radio, or television, within 5 feet (1.5m) of the spa. These units DO NOT have an integral ground fault circuit interrupter. The installation of an integral ground fault circuit interrupter MUST be completed by a qualified Electrician and must meet all applicable electrical codes.

For Cord-Connected units:

Replace the damaged cord immediately.

Do not bury the cord.

Connect to grounded, grounding-type receptacle only.

▲ **WARNING:** To Reduce the Risk of Injury: Water temperature in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Water temperature in excess of 104°F (40°C) may be harmful to your health. Lower temperatures are recommended for young children and/or when spa use exceeds 10 minutes.

High temperatures could have the potential for causing fetal damage during pregnancy. Pregnant women or women that could be pregnant should consult a physician and possibly limit spa usage when temperatures are in excess of 100°F (38°C).

Before entering the spa, measure the water temperature with an accurate thermometer since tolerances of water temperature regulating devices may vary.

Use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.

Persons suffering from obesity or a medical history of heart disease, low or high blood pressure, circulatory system problems, and/or diabetes should consult a physician before using a spa.

Persons using medication should consult a physician before using a spa. Some medications may induce drowsiness while other medication may affect heart rate, blood pressure, and/or circulation.

▲ **WARNING:** PEOPLE WITH INFECTIOUS DISEASES SHOULD NOT USE A SPA OR HOT TUB.

▲ WARNING: TO AVOID INJURY, EXERCISE CARE WHEN ENTERING OR EXITING THE SPA OR HOT TUB. NEVER DIVE OR JUMP INTO THE SPA.

▲ WARNING: DO NOT USE A SPA OR HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE.

▲ WARNING: PROLONGED IMMERSION IN A SPA OR HOT TUB MAY BE HARMFUL TO YOUR HEALTH.

▲ CAUTION: MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

▲ CAUTION: ADEQUATE DRAINAGE MUST BE PROVIDED IF THE EQUIPMENT IS TO BE INSTALLED IN A SPA VAULT OR BELOW GROUND LEVEL.

▲ WARNING: Risk of Fatal Hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of Hyperthermia include dizziness, lethargy, drowsiness, and fainting. The use of alcohol, drugs, and/or medication can greatly increase the risk of fatal Hyperthermia.

The effects of Hyperthermia include:

Unawareness of impending hazard
Failure to perceive heat
Failure to recognize the need to exit the spa
Physical inability to exit the spa
Fetal damage in pregnant women
Unconsciousness and danger of drowning

▲ WARNING: Risk of Children Drowning. Your spa cover is not rated as a safety cover. It is suggested to always keep the spa cover securely fastened when not in use. This will discourage children from attempting to enter the spa unsupervised. If cover is damaged it should be replaced.

▲ WARNING: Risk of Drowning. Use caution when bathing alone. Overexposure may cause nausea, dizziness, and fainting.

▲ CAUTION: Risk of Injury. Young children should always be supervised so that they do not play in or around the spa.

▲ WARNING: Keep all glassware and other breakable objects away from the spa area.

▲ WARNING: Risk of Injury: Short-term inhalation of high concentrations of ozone and long-term inhalation of low concentrations of ozone can cause serious physiological effects.

▲ CAUTION: Unauthorized Access. Secure the spa area against unauthorized access. Make sure all spa barriers (fences, enclosures, etc.) meet all applicable national and local codes. Keep spa cover on and locked when it is not being used.

▲ CAUTION: Risk of Damage to Spa or Equipment. By performing maintenance as described in this manual, the chance of damage to your spa and its equipment will be reduced. Never block the air vents that lead to the spa's equipment compartment, doing so may cause the spa to overheat.

▲ WARNING: Risk of Electric Shock or Death. Do not operate spa during severe weather conditions (e.g. electrical storms, tornadoes, etc.).

▲ CAUTION: Non-Approved Accessories. Using accessories not approved by Bullfrog International, LC could void your warranty or cause other problems. Please consult your authorized Bullfrog Spa dealer.

▲ CAUTION: Spa Location. Locate your spa on a foundation that can support the maximum filled weight of your spa along with the weight of all the occupants using the spa (see Site Selection and Preparation). Also, locate your spa in an environment that can withstand repeated exposure to water and the possibility of a major spill.

▲ CAUTION: Power cords must be replaced only with a special cord assembly available from the Manufacturer, its Service Agent, or similarly qualified persons in order to avoid a hazard.

▲ WARNING: This appliance is not intended for use by young children or unhealthy people without supervision.

▲ WARNING: Before obtaining access to supply terminals, all supply circuits must be disconnected.

▲ WARNING: Risk of Injury or Accidental Drowning: Do not use spa without filters, or floating weir installed; these parts serve as a barrier against bodily entrapment against the filter suction fitting(s).

▲ CAUTION: Test the GFCI or RCD (Residual Current Device) before each use of the spa.

▲ WARNING: Risk to Infants, Elderly, and Women Planning or Experiencing Pregnancy. Please consult your physician if the above applies to you or anyone using the spa

Additional Instructions (Canadian Installations Only):

A green-colored terminal or a terminal marked G, GR, Ground, Grounding or the international grounding symbol is located inside the supply terminal box or compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.

At least two lugs marked “BONDING LUGS” are provided on the external surface or on the inside of the supply terminal box or compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the spa or hot tub to these terminals with an insulated or bare copper conductor no smaller than No. 6 AWG.

All field-installed metal components such as rails, ladders, drains, or other similar hardware located within 10 feet (3m) of the spa or hot tub must be bonded to the equipment grounding bus with copper conductors no smaller than No. 6 AWG.

Warning Signs (North America)

Included with the spa is a warning sign to inform users and guests of the risks involved with using a spa. This sign is suitable for indoor and outdoor use. It should be placed in a noticeable place adjacent to the spa. For free additional copies, contact your authorized Bullfrog Spa Dealer.

*Final warning sticker is included with spa for installation by owner.



REDUCE THE RISK OF ELECTROCUTION

1. NEVER PLACE AN ELECTRIC APPLIANCE WITHIN 5 FEET OF SPA

REDUCE THE RISK OF CHILD DROWNING

1. SUPERVISE CHILDREN AT ALL TIMES.
2. ATTACH SPA COVER AFTER EACH USE.

REDUCE THE RISK OF OVERHEATING

1. CHECK WITH A DOCTOR BEFORE EACH USE IF PREGNANT, DIABETIC, IN POOR HEALTH, OR UNDER MEDICAL CARE.
2. EXIT IMMEDIATELY IF UNCOMFORTABLE, DIZZY, OR SLEEPY. SPA HEAT CAN CAUSE HYPERTHERMIA AND UNCONSCIOUSNESS
3. SPA HEAT IN CONJUNCTION WITH ALCOHOL, DRUGS, OR MEDICATION CAN CAUSE UNCONSCIOUSNESS.

WHEN PREGNANT, SOAKING IN HOT WATER FOR LONG PERIODS CAN HARM YOUR FETUS.

MEASURE WATER TEMPERATURE BEFORE ENTERING.

1. DO NOT ENTER SPA IF WATER IS HOTTER THAN 100°F (38°C)
2. DO NOT STAY IN SPA FOR LONGER THAN 10 MINUTES.

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GETTING TO KNOW YOUR SPA

Spa Overview

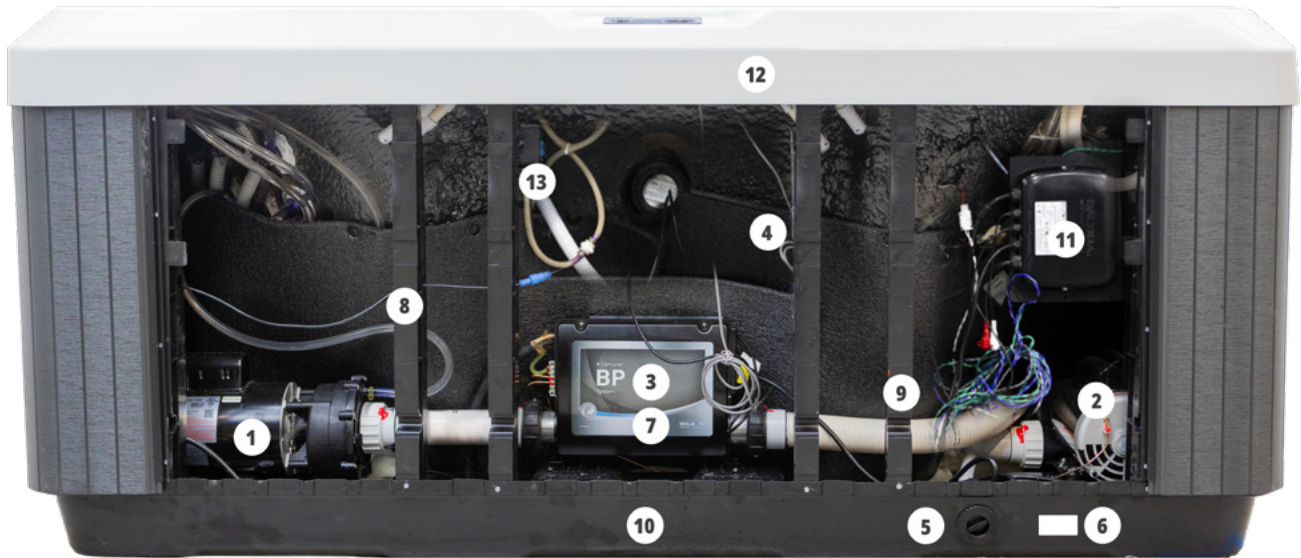
(Calm7 Spa Model Pictured)



1. Main control
2. Filter intake/access
3. Headrest
4. Water feature
5. Foot therapy jet
6. Main LED lights
7. Entry step and cool-down seat
8. Floor drain
9. Ozone jet
10. In-wall therapy jets
11. Diverter Valves
12. Pump intake

Equipment Compartment Overview

Spa Equipment Compartment “Calm7” Series



1. Jet pump 1
2. Jet pump 2
3. Control center box
4. Safety certificate and serial number
5. Drain outlet
6. Serial number sticker (visible with door installed)
7. Water heater
8. Support stud
9. Cabinet attachment notch in support stud
10. ABS spa base pan
11. Audio control box (Optional)
12. Acrylic spa shell
13. Ozone System (Optional)

FILLING YOUR SPA

▲ WARNING: An empty spa (spa without water in it) must not be left exposed to sunlight as shell damage may occur. Once the spa is unwrapped, fill the spa with water immediately or shade the spa with cover to prevent direct exposure to sunlight.

IMPORTANT: Do not turn power on to the spa without water in the spa. Serious damage to the pump and heater may occur.

▲ WARNING: Make sure power is off to your spa prior to following spa filling procedure. Failure to do so may result in serious injury.

Spa Filling Steps (Calm)

Step 1: Remove floating weir by lifting until it separates from the filter housing.



Step 2: Place garden hose inside the inner chamber of the filter cage.



IMPORTANT: Never fill the spa with soft water unless an appropriate mineral supplement is immediately added (see your authorized Bullfrog Spas Dealer). If your water is extremely hard, it is preferable to either dilute the water's hardness by blending the water with water from a water softener, using a mineral filter, or by the addition of

a special water softening chemical (see your authorized Bullfrog Spas Dealer).

Step 3: Fill to the water level indicator line located on the acrylic near the floating weir. See image below.



Step 4: Reinstall the floating weir.

Step 5: Check for leaks: After the spa is filled, check all fittings and equipment in the equipment compartment for signs of leakage before turning on the spa. Turn on the pump(s), and once again, check for leakage. If a leak is detected, tighten the fitting by hand. If the leak persists contact your authorized Bullfrog Spas Dealer.

Step 6: Install Cover: The spa cover comes with tie down straps and locking hardware that attaches the cover to the spa or decking. If your dealer did not install the cover, refer to the Cover Installation Instructions included with the cover.

Cover locks are an essential component for compliance with the ASTM F1346-91 safety standard for spa covers.

IMPORTANT: The spa cover is a critical feature in maintaining a safe and secure spa environment. In addition, keeping your spa covered when not in use is important for maintaining spa water at the desired temperature and saving energy. When the spa is not in use, always place the cover over the spa and secure it by pulling down on the cover strap, clicking the two sides of the cover clips together, and then locking each clip with the key provided. The cover should remain in place and locked at all times when not in use to prevent unauthorized entry and to prevent the wind from blowing it open inadvertently.

CALM SPA CONTROL PANELS



Calm Standard Control



Calm Standard Control

Preparation and Filling

Fill the spa to its correct operating level. Be sure to open all valves and jets in the spa before filling to allow as much air as possible to escape from the system during the filling process. For details see “Filling your spa” section. After turning the power on at the main power panel, the control panel display will go through an initializing sequence. This sequence displays information regarding the configuration of the hot tub control. After a few seconds, your control will display the Home/Status screen which shows time, jet and light status, temperature status, operation mode, etc.

Priming the Pumps

Pumps must be primed directly after filling to ensure the correct operation of your spa. After initial startup, the control panel will enter Priming Mode. To prime the pumps, press the “Jets 1” button twice to prime in high speed. The pump has primed when water is flowing from the jets. If your spa is equipped with a second jet pump repeat the priming process for Pump 2 by pressing the “Jets 2” button once to prime in high-speed.

IMPORTANT: Pumps should not be allowed to run without priming (no water flowing out of the jets) for more than 2 minutes. Doing so may cause damage to the pump(s).

NOTE: Sometimes momentarily turning the pump off and on will help it to prime. Do not do this more than 5 times. If the pump(s) will not prime, shut off the power to the spa and call for service.

Exiting Priming Mode

You can manually exit Priming Mode by pressing the up or down button. Note that if you do not manually exit the priming mode as described above, the priming mode will automatically end after 4-5 minutes. Be sure that the pump(s) have been primed by this time. Once the system has exited Priming Mode, the control panel will display the set temperature. The system requires approximately 1-2 minutes of water flowing through the heater to determine and display the correct water temperature.

Home/Status Screen

The Home/Status screen on your Calm Spas control shows basic statuses including: jet status, light status, current water temperature, spa operation mode, and heating/cooling status. In addition, many of the basic functions of operating your spa can be performed with one touch from the Home/Status screen. In addition, any necessary error or maintenance messages will appear on the screen.

Start or Stop Accessories

To start or stop an accessory (jets, lights, etc.), press the associated button. Icons will appear on the bottom of the screen when their accessory is turned on and disappear 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.

Light Operation

Turn lights on and off using the button. Press once to turn the lights on. Press again to turn it off. Pressing the button repeatedly will cycle through light modes and colors (flashing, fading, solid color).

Screen Rotation/Mode Button

On one pump models, you can press the Rotate Screen button to rotate the screen 180 degrees for easier viewing from inside the spa. On two pump models, rotating the screen can be done by pressing the Up button in the “FLIP” menu.

Adjusting the Set Temperature

The current water temperature is displayed in the middle of the Home screen. Press the up or down button to set the desired temperature. The set point will begin to flash. Press or hold the up or down button immediately to adjust the set point to your desired temperature. After a few seconds without any change to the set temperature value, the set point will stop flashing and the current water temperature will reappear.

Spa Settings

The settings on the Calm Spas control pad are navigated using the Menu, Up, and Down buttons. One press of the Menu button gives you access to several menus where you can manage the specific settings of your spa. After pressing the Menu button you may navigate to each sub-menu by repeated pressings of the Menu Button and then using the Up or Down buttons to select a sub-menu. When using the Settings menu or submenus the screen will revert back to the Home screen if no key is pressed for a few seconds. Note that if an accessory is not present in your spa configuration, its menu will not appear. Refer to the following sections to get details about the possible settings, accessories, and their detailed functionalities.

TEMP - Dual Temp Range

This system incorporates two temperature range settings with independently set temperatures. The current setting is displayed on the right side of the Home screen next to a thermometer icon, with an up arrow indicating High Range and a down arrow indicating Low Range. The most common use for the Low Range is during vacations or extended periods of non-use. When a range is chosen, the spa will heat to the set temperature associated with that range and hold. High Range can be set between 80°F and 104°F. Low Range can be set between 50°F and 99°F. Freeze Protection is active in either range.

To select a range, press the Menu button until “TEMP” is visible in the display window. The thermometer icon will flash on the right of the screen with an up or down arrow to indicate which selection is currently active. Press the Up or Down buttons to switch between High and Low and then press the Menu button to confirm.

MODE - Ready and Rest Mode

There are two Heating Modes available with the Calm spas – Ready and Rest. When in Ready mode, the pump that circulates water through the heater will turn on periodically to measure water temperature, heat if needed, and refresh the temperature display. Ready mode will continually maintain your spa at its set temperature.

Rest mode will only turn on the pump that circulates water through the heater during programmed filter cycles. Since the pump is not turning on periodically, the temperature display will not show a temperature until the pump has been turned on and water is flowing through the heater for a minute or two. Rest mode is recommended for the most economic performance.

To set the Heat Mode, press the menu button until “MODE” appears in the display window. The selected mode will flash at the bottom left of the display screen. Press the Up or Down button to change the selected heat mode and press the Menu button to confirm.

When the spa is in Rest mode and a Jet button is pressed,

the spa will enter Ready-in-Rest mode. This mode heats the water up to the selected temperature, allowing for use in periods outside of scheduled filter cycles. This mode is active until the set temperature has been reached or one hour has passed, at which point the spa will revert back to Rest mode.

TIME – Setting the Time

Setting the time is important for filtration settings and other background settings to function as expected. To set the time, press the Menu button until “TIME” is visible on the display window. Press the Up or Down buttons to select the hour and press the Menu Button to confirm. Repeat this process to select the minutes.

To toggle between a 12 or 24 hour clock, press the Menu button until “PREF” is visible on the display. Press the Up or Down button to enter the Preferences Menu. Press the Menu button until “24-12” displays on the display. Press Up or Down button to enter the toggle between a 12 or 24 hour clock and press the Menu button to confirm.

LOCK – Locking the Panel

The control panel can be restricted to prevent unwanted use or temperature adjustments. These lock features can prevent most functions on the control panel from being used, while all automatic functions remain active. “TEMP” locks the temperature selection, preventing unwanted temperature adjustments. “PANL” in contrast, locks all changes from the panel.

To lock the temperature, press the Menu button until “LOCK” is displayed. Press Up or Down to enter the Lock menu, where “TEMP” will be visible in the display window. Press Up or Down to enter the Temperature Lock menu, where “OFF” will be visible in the display window. Press Up or Down to select “ON” and press the Menu button to confirm. Follow the same process and select “OFF” to unlock the temperature.

To lock the panel, press the Menu button until “LOCK” is displayed. Press Up or Down to enter the Lock menu, and then press the menu button until “PANL” is displayed. Press Up or Down to enter the Panel Lock menu, where “OFF” will be visible in the display window. Press Up or Down to select “ON” and press the Menu button to confirm.

To unlock the panel, press and hold the Up button and then, while continuing to hold the Up button, press the Menu button twice. “UNLK” will be visible in the display window and the panel controls will return to normal.

HOLD – Standby

The Hold mode prevents the jets from running to allow filters to be cleaned or replaced. By default, a hold lasts 60 minutes or until the menu is exited manually. To put the spa in Hold, press the Menu button until “HOLD” is

displayed. Press the Up or Down button to enter Hold mode. Press the Up or Down button again to exit Hold mode manually.

FLTR – Filtration Cycles

Your Calm Spa comes factory programmed to run two cycles in each 24 hour period. Filter Cycle 1 begins at 8:00pm and runs for 1.5 hours. Filter Cycle 2 begins at 8:00am and runs for 1.5 hours. These factory set filtration cycles should be adequate for light to normal spa use (spas used once to twice per week). For cases of more frequent spa usage, you may need to increase the filter cycle durations to maintain water clarity.

To change filter cycles, press the Menu button until “FLTR1” or “FLTR2” appears on the display. Press the Up button and “BEGN” will be visible on the display. Press the Up button to change the Filter Cycle’s begin time. Press the Up or Down button to change the hour digit and then press the Menu button to confirm (NOTE: “A” for am or “P” for pm will be displayed in the bottom right corner of the display window). Repeat the process to change the minutes digit.

“RUN HRS” will then be visible on the display. Press the Up button to change the Filter Cycle’s run time. Press the Up or Down button to change the hour digit and then press the Menu button to confirm. Repeat the process to change the minutes digit. “F1 ENDS” or “F2 ENDS” will then be visible on the display, showing the Filter Cycle’s end time. Press the Menu button to confirm the Filter Cycle’s settings.

Note that the Filter 2 menu has an additional option to toggle the Filter Cycle 2 On and Off. Filter Cycle 2 can be turned off, but this is not recommended and can lead to poor water clarity.

PREF – Preferences

The Preferences menu allows you to modify the ways some settings on the spa are displayed. To access this menu, press the Menu button until “PREF” is displayed and then press the Up button to enter the menu. Continue to press the menu button to cycle through different submenus.

The default temperature displayed is Fahrenheit. To change the temperature display between Fahrenheit and Celsius, navigate to the “F/C” submenu and press the Up or Down button to toggle between Fahrenheit and Celsius. Press the Menu button to confirm.

The default time displayed is 12 hour. To change the time display between 12 and 24 hour, navigate to the “12/24” submenu and press the Up or Down button to toggle between 12 and 24 hour time display. Press the Menu button to confirm.

The display of Reminders is defaulted to Off. To change the Reminders to on, navigate to the “RE-MIN-DERS” submenu and press the Up or Down button to toggle the Reminders between On and Off. Press the Menu button to confirm.

UTIL – Utilities

The Utilities menu shows technical information related to your Calm Spa that could be provided to an authorized technician.

BT - Bluetooth Audio (Optional)

One of the options available on Calm Spas is a Bluetooth audio system. If your spa is equipped with this system, you can use the control panel to turn the Bluetooth function On and Off. To do this, press the Menu button until “BT” is visible on the display window. Press the Up or Down buttons to toggle the system On and Off. Note that pressing the Up or Down button returns to the Home screen, where a music note icon at the bottom of the screen indicates whether the system is On (icon visible) or Off (icon not visible).

The first time you use your Bluetooth device with the audio system, you must first pair your device to it. Each device must be paired separately. To pair, first verify Bluetooth is On for the spa (music note icon) and turn on Bluetooth on your device. On your device, search for Bluetooth devices and select “BBA Spa Music” from the list. Make sure that you are close to the spa and have line of sight to the spa control panel / equipment area.

Note that there may be some settings on your Bluetooth device that need to be adjusted so that the sound system can play at full volume. For example, some devices recognize the sound system as a headphone, and so any settings that Reduce Loud Audio for headphones will need to be temporarily turned off.

Diverter Valve

The diverter valve is used to direct water flow from the pump to a specific seat that the user will be sitting in. Water flow can be dispersed to all jets that are powered by that pump or it can be diverted to a specific seat. This diverter valve regulates the flow of the water so that the user can dial in the correct therapy they desire.

To use the diverter valve:

Step 1: Turn the valve in the direction you’d like the water to flow. For instance, if you’d like water to divert to the right seat, turn the valve to the right, etc.

Step 2: To evenly distribute water flow to all seats, set the valve to the middle and receive equal jet power to each seat.

WATER CARE & CHEMISTRY

Chemicals

Properly maintaining your spa water is very important to ensure enjoyment in using your spa and to maximize spa shell and equipment life. Properly maintaining your spa water chemistry will require regular attention to prevent poor water quality, potential unhealthy conditions, and possible damage to your spa.

Please refer all water care-related questions and concerns to your local Authorized Bullfrog Spas Dealer. Your Authorized Bullfrog Spa dealer can recommend the correct products and procedures for safely sanitizing and maintaining your spa according to local water chemistry, regulations, and your specific circumstances.

Suggested Water Care Method: FROG® @ease® (USA Only)

The @ease system holder and system cartridge kits may be obtained through your Authorized Bullfrog Spas Dealer.



Floating Sanitizing System Operating Instructions



FROG® @ease® is the hot tub sanitizing system* that takes the guess work out of water care so you always feel at ease while enjoying your hot tub.

This is not a toy. For sanitizing hot tubs only!

The FROG @ease Floating System has two replaceable cartridges. The combination provides the Fresh Mineral Water®∞ benefits of **cleaner, clearer and softer®** water that's easier to take care of.



TOP HALF (Blue)
FROG @ease Mineral
Cartridge

BOTTOM HALF (Silver)
FROG @ease SmartChlor®
Cartridge

FROG @ease Mineral Cartridge

Active Ingredient:

Silver Chloride	0.5%
Other Ingredients:	99.5%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For use in hot tubs up to 600 gallons. Use with the FROG @ease SmartChlor Cartridge. Ensure all hot tub equipment is working properly. Operate the pump and filter as recommended by your hot tub manufacturer. Clean filter following manufacturer's directions. May be used with a previously filled hot tub unless it was sanitized with bromine or biguanides. Then drain and fill the hot tub with fresh water before using this product.

Read entire operating Instructions for complete directions for use.

Ver la versión en español de este manual en frogproducts.com

Step 1: Prepare the Hot Tub

1.



Fill hot tub with fresh water. If using source water that is high in calcium, iron or other metals, see your dealer before filling the hot tub. It may require the use of a metal control product.

If previously using bromine and switching to the FROG @ease System, you must drain and refill your hot tub before using this product.

If previously using dichlor you may convert to the FROG @ease System without having to drain the hot tub, as long as cyanuric acid level is below 80 ppm.

2.



Clean or replace filter cartridges when dirty (Follow manufacturer's instructions).

3. Balance water by following **STEPS a - d** in order.

IMPORTANT: Always follow printed instructions on the balancing chemical packages. Add balancing chemicals in small increments one at a time with the jets on and wait 6 hours before testing again and adding any additional balancing chemicals.

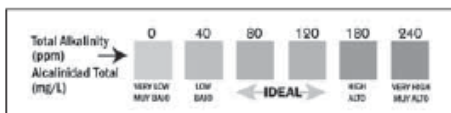
Water Balance Guidelines

pH:	7.2 - 7.6
Total Alkalinity:	80 - 120 ppm
Hardness:	150 - 250 ppm
Total Dissolved Solids:	<1500
Cyanuric Acid:	0 - 50 ppm

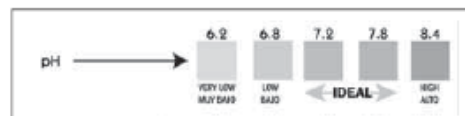
a. Take a water sample from the hot tub and dip a FROG @ease Test Strip into it.



b. Look at the **Total Alkalinity** reading first. Adjustments should be made to bring the Total Alkalinity in the **range of 80 - 120 ppm** prior to making any adjustments to pH even if it throws pH off further.



c. After Total Alkalinity is in range, **test for pH**. It should be between **7.2 and 7.6**. If higher or lower, add a pH adjuster.



d. Lastly **test for Hardness**. It should be between **150 and 250 ppm**. If higher, partially drain the hot tub (about 6 inches) and fill with water low in calcium. If lower, add Calcium Increaser.

If balancing takes longer than **2 days** shock the water and maintain a chlorine level while continuing balancing.

4.



Very Important! After balancing and before using cartridges, establish an initial residual of 0.5 - 1.0 ppm free chlorine with FROG® Jump Start® start-up shock, included in this package, that quickly dissolves with an effervescent fizzing action - one packet per 600 gallons.

5.

Heat water to the manufacturer's recommended temperature.

Step 2: Put the System to Work

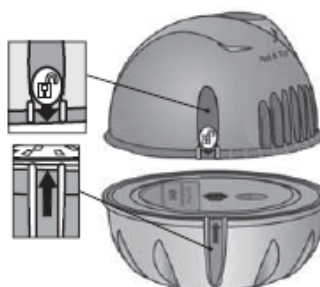
Simply follow these easy steps:

1.



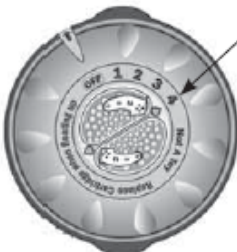
Remove outer packaging from the FROG @ease SmartChlor Cartridge.

2.




Line up arrows on both cartridges, push together and lock.

Step 2 Continued . . .

3.  Setting # on the FROG @ease SmartChlor Cartridge

Gallons	Setting #
200-299	1
300-450	2
451-550	3
551-600	4

Twist the dial on the FROG @ease SmartChlor Cartridge to the setting number for your hot tub. (See chart based on gallons).

4.  Toss into the hot tub. It will float in the water at a slight tilt.

If you like, remove the FROG @ease System from the hot tub while soaking. Lift out the FROG @ease System and let drain into the hot tub. Place on any surface not susceptible to chlorine bleaching. Remember to return it to the hot tub afterwards.

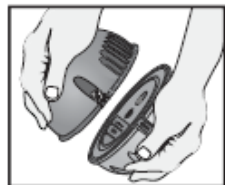
Replacing Cartridges:

When the FROG @ease Floating System flips completely over, remove the FROG @ease SmartChlor cartridge.



1. FROG @ease SmartChlor Cartridge will last about 3-4 weeks for an average 400 gallon hot tub.

2. Floating System naturally lists in the water. To check if FROG @ease SmartChlor Cartridge is empty, lift up and drain all water from the system, then replace in the hot tub and see if it flips completely.



3. Detach FROG @ease SmartChlor Cartridge by twisting to align with "unlock" arrow and pull apart.

4. Attach new cartridge (see Step 2: Put the System to Work)





5. Discard in trash or offer for recycling if available.


Note: If the FROG @ease SmartChlor Cartridge still contains a small amount after detaching, place in hot tub to float on its own until empty. Do not let it sink to bottom as it may bleach hot tub surface.

After 4 months or when draining and refilling the hot tub, the FROG @ease Mineral Cartridge must be replaced even if you hear the spent minerals inside. This cartridge is available only in the FROG @ease Floating Sanitizing System.

Step 3: Routine Hot Tub Care

1.  Drain and refill hot tub as directed by your hot tub manufacturer. Whenever you drain and refill, make sure to replace your FROG @ease Minerals.

2.  Run filtration system as recommended by your hot tub manufacturer.

3.  Regularly test water with FROG @ease Test Strips and follow directions in Step 1 for maintaining pH, Total Alkalinity and Hardness.

NOTE: pH is affected by bather load, chemicals used, evaporation and the make-up of your source water so maintaining water balance regularly is important.

4. FROG @ease SmartChlor Cartridge will maintain 0.5-1.0 ppm free chlorine level as long as the water is balanced.

NOTE: Free Chlorine levels are reduced up to 75%* when using FROG @ease Minerals.

NOTE: Why FROG @ease Test Strips? The FROG @ease SmartChlor Cartridge forms a chlorine reserve that will be inaccurately measured as total chlorine on other test strips. Unlike conventional chlorine, the SmartChlor reserve readily shifts to free chlorine as needed, maintaining hot tub health with a low level of chlorine.

5.  Shock the hot tub with FROG Maintain®, a non-chlorine shock for single dose shocking when you replace the FROG @ease SmartChlor Cartridge or once a month.

6.  Replace the FROG @ease SmartChlor Cartridge when the system flips over and the complete FROG @ease Floating System that includes a FROG @ease Mineral Cartridge as directed under "Replacing Cartridges".

Troubleshooting

Cloudy Water or Low-Chlorine Levels

- Shock the hot tub with FROG Maintain, a non-chlorine shock.
- Check water balance. pH and Total Alkalinity need to be in the proper ranges for the FROG @ease System to work correctly.
- Check FROG @ease SmartChlor Cartridge and replace if empty—see instructions under “Replacing Cartridges”.
- If the FROG @ease SmartChlor Cartridge is not empty, turn dial setting up one number while maintaining water balance. If needed, turn dial up again.
- Check your calendar. The entire FROG @ease System including a FROG @ease Mineral Cartridge needs to be replaced every four months. Without the minerals, SmartChlor will not be enough to sanitize the hot tub.

FROG @ease SmartChlor Cartridge Life

- If hot tub is larger than 400 gallons with significant bather load, you may require a higher dial setting which will shorten the cartridge life.
- If you think the cartridge setting is too high, you can turn the dial setting down one number while maintaining water balance. If needed, turn dial down again.
- If the FROG @ease System is continually sucked into the skimmer or filter well, tether the product to the tub away from the jets.
- Remove the FROG @ease System while using the hot tub with the jets running.

High Chlorine Levels

- This is highly unlikely with the FROG @ease System because SmartChlor is self-regulating. However, if you use standard test strips, it may appear that total chlorine is higher than the free chlorine.
- No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the FROG @ease Test Strips that were included with your System.

Learn more at frogproducts.com or call 800.222.0169

Register your FROG @ease Sanitizing System at frogproducts.com



Manufactured for King Technology, Inc.

6000 Clearwater Dr, Minnetonka, MN 55343 U.S.A.

800-222-0169 | frogproducts.com

Made in U.S.A. Patents: kingtechnology.com/IP

Ver la versión en español de este manual en frogproducts.com



+ FROG @ease System consists of the FROG minerals silver chloride and carbonate used with 0.5 ppm of FROG @ease SmartChlor Cartridge. The FROG @ease Mineral Cartridge must be used in conjunction with the FROG @ease SmartChlor Cartridge.

* Compared to the minimum ANSI recommended chlorine level of 2.0 ppm for a hot tub.

∞ For pools and hot tubs.

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Additional Water Care Methods (alternative or outside USA)

In areas where the FROG @ease system is not available (outside the USA) consult your local Authorized Bullfrog Spas dealership for specific options for maintaining water quality. Your Authorized Bullfrog Spa dealer who can recommend the correct products and procedures for safely sanitizing and maintaining your spa according to local water chemistry, regulations, and your specific circumstances.

CAUTION:

- Always follow chemical manufacturers' instructions and never mix chemicals.
- Use an accurate test kit to perform all chemical tests.
- Add chemicals directly to the spa, evenly spreading the chemicals over the surface of the water with the jets operating, or use an appropriate feeding or metering device and check chemical levels often.
- Run the filter pump on high speed, with the cover removed, for at least 30 minutes after applying any chemicals to mix adequately and avoid potential damage to equipment, accessories, or surfaces.
- Names of spa chemicals will vary from one manufacturer to another. Please contact your authorized Bullfrog Spas dealer if you have any questions.

Regular Spa Water Care

Sanitizer and pH Levels

It is important to test and adjust the sanitizer and pH level of your spa on a frequent basis. If the spa is used 0-3 times weekly, we recommend that you test the water a minimum of 2-3 times a week. For each additional use, test the water one additional time. Test kits and supplies are available from your authorized Bullfrog dealer.

pH Control: Proper pH balance is extremely important in controlling bacteria, providing water that is comfortable to the user, and preventing damage to the spa and equipment. The pH scale ranges from 0-14. Levels of pH less than 7.0 are acidic while pH levels greater than 7.0 are basic. The proper pH range for a spa is 7.4-7.6.

High pH levels (greater than 7.6): Can cause scale build-up on the spa and its equipment, cloudy water, a prematurely dirty filter, and less effective chlorine sanitation. To correct high pH levels, add a pH decreaser.

NOTE: Never use Muriatic or Hydrochloric acid to adjust pH as it can damage the spa shell and surroundings.

Low pH levels (less than 7.4): Can cause discomfort to the spa users and corrosion to the spa equipment. To increase pH levels, add a pH increaser.

Always test, and adjust the pH level before you test and adjust the sanitizer level.

Sanitation: Spa water sanitizers kill bacteria and keep the water clean. Effective and safe sanitizers recommended by Bullfrog Spas are granular chlorine (Dichlor) or granular bromine. Chlorine and bromine are the only two spa sanitizers approved for use in spas by the EPA.

WARNING: Trichlor chlorine tablets should never be used in a portable spa. Dissolve rate, potency and the extreme low pH of this chemical can cause severe damage to the spa surface and components. Use of trichlor chlorine tablets will void the Bullfrog Warranty.

Bromine and Dichlor tablets are also not recommended as an acceptable sanitizer in Bullfrog Spas unless an appropriate feeding or metering device is used and the water is frequently tested and monitored as excessive bromine or chlorine in the spa can cause surface damage and component failure.

SPA MAINTENANCE

WARNING: An empty spa (spa without water in it) must not be left exposed to sunlight as shell damage may occur. Once the spa is unwrapped, fill spa with water immediately or shade the spa with cover or wrapping to prevent direct exposure to sunlight.

Spa maintenance:

With each sanitizer test, use either granular Chlorine or Bromine to maintain the following levels:

- Chlorine Level: 3.0 to 5.0 PPM (parts per million)
- Bromine Level: 3.0 to 6.0 PPM (parts per million)

Super Sanitation or Spa Shock

Normal sanitation does not eliminate non-filterable wastes, such as perspiration, oils, hair sprays, etc., which may build up in the water. These substances make the water unattractive, and can interfere with sanitizer effectiveness. Super sanitation is achieved by “shocking” the spa water with a non-chlorine shock (Potassium Peroxymonosulfate), granular chlorine (Dichlor), or granular Bromine (Bromine concentrate).

Super Sanitize the water once a week by adding one of the following:

- Granular chlorine 2 teaspoons (10ml) of per 200 gallons (909.2l) of water
- Granular bromine 4 teaspoons (20ml) of per 200 gallons (909.2l) of water
- Non-chlorine Shock 5 teaspoons (25ml) of per 200 gallons (909.2l) of water

NOTE: Super sanitation may be required more than once per week for heavy usage. With ozone, it may not be necessary to shock the water on a weekly basis, contact your authorized Bullfrog Spas dealer for more information.

Total Alkalinity (TA): Total alkalinity (TA) is the quantitative measurement of alkaline components (carbonates and bicarbonates) present in water to act as a buffer against rapid pH changes. Proper total alkalinity levels are important to ensure optimal chemical balance in spas. Low TA can cause pH to be unstable. To correct low TA, add a Total Alkalinity Increaser. High TA can cause the water to be scale forming, cloudy and corrosive to the spa and its components, as well as other pH related problems. If the spa water has high TA, contact your authorized Bullfrog Spas dealer.

Calcium Hardness (CH): Calcium hardness (CH) is the measure of dissolved calcium in the water. Low CH (soft water) can stain the spa surface as well as cause corrosion to the spa and its equipment. To correct low

CH, add a calcium hardness Increaser. High CH (hard water) can cause cloudy water as well as rough scale build-up on the spa surface and equipment. If the spa water has high CH, contact your authorized Bullfrog Spas dealer.

Stain and Scale Control: Stain and scale problems are common in hot water environments. To help prevent and control staining and scaling, use a stain and scale inhibitor per the manufacturer’s instructions. Add stain and scale inhibitor 3-4 days after super sanitation.

Foam Control: Spa water that contains body oils, lotions and soap residue combined with high water temperatures can cause excessive foaming on the water’s surface. For a temporary fix add a foam remover as per the manufacturer’s instructions. The best way to control foam is to super chlorinate the water; this will destroy the soap agents that normal levels of sanitizer will not. Add 2 tablespoons (20 ml) per 100 gallons (454.6 liters).

Cloudy Water Prevention and Control: There are two basic reasons that spa water becomes cloudy. First, non-filterable liquid waste (e.g. perspiration) has contaminated the water. To remove these substances, Super Sanitize the water. Second, non-filterable micro-particulate waste (e.g. dust) has contaminated the water. To remove these substances use a Water Clarifier as per the manufacturer’s instructions.

Water Chemistry Troubleshooting

Prior to each spa use, check the water. If the water appears cloudy, off color, has significant surface foam, or smells of excessive chlorine/bromine, the water needs to be treated or drained. Using the spa in these conditions could result in irritations.

For assistance in handling spa water chemistry, contact your authorized Bullfrog Spas dealer or another service center capable of performing a computerized water analysis.

Freeze Protection

NOTE: Your spa is equipped with a freeze protection mode. When potentially freezing outside temperatures are detected your control system will turn on to check the water temperature. If heating is necessary to protect from freeze conditions your spa may turn on and heat to a safe temperature. A notification will display on the main control screen indicating this mode is engaged.

Ozone Purifier (Optional)

Your Bullfrog Spas spa may be equipped with an optional WellSpring High Output ozone purification system. This

system may also reduce your sanitizer usage. Contact your authorized Bullfrog Spas dealer for information on periodic maintenance or replacement of ozone system parts.

Changing Spa Water

As you use your spa, soap and detergent residues from your skin and bathing suits, along with other substances from maintaining the spa's water chemistry will accumulate in the spa water and make maintaining the water more difficult. Rinsing your bathing suits and showering without soap prior to entering your spa will increase the life of your spa water. Depending upon usage, the spa water will need to be changed every 1–4 months or when the water chemical levels become difficult to manage. Clean the shell with a spa surface cleaner. See Spa Shell Care. Clean the other areas of the spa with a spa surface cleaner as necessary.

IMPORTANT: Drain your spa to an area that can handle a large quantity of water. If draining water onto vegetation, make sure that the sanitizer level (chlorine or bromine) of the water is less than 0.5 PPM.

WARNING: Avoid drainage that can lead into basement window wells or any other area where damage could occur.

To Drain Your Spa:

Step 1: Turn-off main electrical breaker to spa.

Step 2: Locate drain below equipment compartment door.

Step 3: Rotate drain cap tab with a 90° clockwise turn and pull out drain.

NOTE: Drain is fully extended at approximately 2 inches (5 centimeters).

Step 4: Remove drain cap.

NOTE: The drain spout will not drain when fully extended.

Step 5: Attach a standard garden hose. Rotate the blue collar with a 90° clockwise turn.

NOTE: The Spa will drain about 5 gallons (20 liters) per minute. Ensure that the drainage is in an area safely away from window wells or basement entries.

Step 6: Once the spa is fully drained, rotate the blue collar with a 90° counterclockwise turn, remove hose, replace the drain cap and push drain in all the way, and rotate the drain cap tab with a 90° counterclockwise turn.

To Refill Your Spa:

WARNING: When refilling the spa, always super sanitize the new water by adhering to the instructions

in the Water Chemistry section. Fill the spa to its correct operating level. Be sure to open all valves and jets in the spa before filling to allow as much air as possible to escape from the system during the filling process. For details see “Filling your spa” section. After turning the power on at the main power panel, the control panel display will go through an initializing sequence. This sequence displays information regarding the configuration of the hot tub control. After a few seconds, your control will display the Home/Status screen which shows time, jet and light status, temperature status, operation mode, etc.

Filter Maintenance

It is recommended that cylindrical filter cartridge used in Calm spas be cleaned every 3-6 weeks or as needed.

Clean the filter cartridge

After multiple cleanings, worn filter cartridges will need to be replaced. To maintain warranty protection, use only genuine Bullfrog Spas filter cartridge replacements. To clean your filter cartridge(s), complete the following:

CAUTION: Never operate spa with the filter removed.

Step 1: Turn off main power to the spa or put spa in Hold/Standby mode.

Step 2: Remove floating weir.



Step 3: Remove the pleated cartridge by grabbing the cartridge and pulling upward from the filter core.



Step 4: Using a garden hose with a nozzle or other high-pressure device, clean cartridge. Work first from the inside, top to bottom on each pleat then from the outside, top to bottom on each pleat.

- To remove collected lotions or body oils, soak cartridge in warm water with a filter cleaner or detergent.
- To remove calcium deposits, soak cartridge in a plastic container using a 1:10 ratio of muriatic acid to water solution. Calcium deposits indicate a high spa pH, which should be corrected.

NOTE: Filter must be cleaned with a filter cleaner/degreaser before attempting to remove calcium and mineral deposits with any acidic based product

Step 5: Reinstall filter and floating weir.

Step 6: Restore main power to the spa or exit Hold/Standby mode.

IMPORTANT: Using a brush to clean a filter cartridge could cause damage to the filter media.

Spa Surface Care

IMPORTANT: Your spa cover is an essential part of the spa system in order to protect spa surfaces, ensure safety, and to provide the highest possible efficiency. Ensure the cover is in place at all times except during spa use.

General Cleaning

For normal cleaning, use a mild dish-washing soap, window cleaner, or other products recommended by your local authorized Bullfrog Spas Dealer. For stubborn stains, use a mild acrylic cleaner or a mild detergent. To apply these cleaners, use a soft, damp cloth or sponge. Rinse well and dry with a clean cloth. To clean hard water stains, remove light scratches and protect your spa shell, contact your authorized Bullfrog Spas Dealer.

Cleaning a Surface Buildup Line

With normal use of the spa, oils, lotions, and hair products can build up on the surface of the water in small amounts. This could leave a line around the perimeter. This buildup can be easily removed using a spa surface cleaner or its equivalent. Avoid using cleaning agents that leave soap residue in the water.

WARNING: Never allow your spa surface to be exposed to alcohol, acetone (nail polish remover), nail polish, dry cleaning solution, lacquer thinners, gasoline, pine oil, abrasive cleaners, or any other household chemicals other than those listed. These chemicals void the warranty.

Spa Cabinet Care

The EternaWood™ cabinet components are made to provide many years of maintenance-free service. For normal cleaning, use a mild dish-washing soap. For stubborn stains, contact your authorized Bullfrog Spas Dealer.

Spa Cover Care

WARNING: A non-secured, improperly secured, or damaged cover may pose a safety threat to children and may also cause damage or injury if blown off by wind. Always remove entire cover before using the spa.

IMPORTANT: Do not stand, sit, or place any item on the cover that could damage it. Gently remove any snow accumulations over 2 inches (5cm). Always secure the cover with all of the cover locks when not in use, whether the spa is empty or full of water.

Cleaning the Spa Cover

At least monthly, clean the spa cover.

Step 1: Use a garden hose to spray entire cover down with water.

Step 2: Rinse all traces of dirt, sand, and debris from cover.

Step 3: Try not to touch cover or rub anything on it while it is wet.

Step 4: Let cover air dry.

Step 5: Make sure the cover clips are secured.

NOTE: If water doesn't bead on cover when spraying with water and cover looks darker in some areas, use an outdoor fabric protectant (never petroleum based) to condition the area per your Bullfrog Spas Dealer's instructions.

NOTE: If more thorough cleaning is required, add 2 ounces of mild soap to 1 gallon of warm water. Clean the cover fabric with a soft brush. Rinse thoroughly with cold water and air dry. Use an outdoor fabric protectant to condition the area per your Bullfrog Spas Dealer's instructions.

Miscellaneous Care

Cleaning and Protecting Headrests

Regularly clean all headrests with mild soap, water, and a clean cloth. Monthly, treat headrests using a non-petroleum-based conditioning product as recommended by your Bullfrog Spas dealer. This will maintain water resistance and luster of the product.

IMPORTANT: Remove the headrests during and after shock treating the spa water or when sanitizer levels are high. Leave cover open for at least 30 minutes after shocking to ensure headrests are not affected.

NOTE: Headrest discoloration and/or degradation is accelerated by high sanitizer use, improper ventilation after shock treatments, and is not covered by the Bullfrog Spas Warranty.

Vacuum the Spa

Debris from wind, trees, and users will occasionally accumulate on the bottom of the spa. The filtration system will remove the smaller debris. Large or heavy debris can be removed with a hand held spa vacuum available at your Bullfrog Spas dealer.

Low-Use or No-Use Periods

During certain times of the year, you may not use the spa on a frequent basis. For these low-use or no-use periods, consider the following:

No Use for Two to Six Weeks

If the spa will not be used for at least two weeks, lower the temperature to the lowest setting of 80 F (26°C) or place in low range heat mode. Lowering the temperature will cut the cost of operation, however; you will need to adjust the temperature setting approximately 4 hours before use in order to heat the spa to 100 F (38°C).

IMPORTANT: During all low and no-use periods, be sure to maintain the spa water as per the instructions in the Water Chemistry section.

IMPORTANT: For all no-use periods, and on a weekly basis, be sure to have someone visually check that the spa is functioning correctly and to also maintain the spa water as per the instructions under the Water Chemistry section. Not doing so may lead to corrosion, staining, and/or scaling to the spa and its equipment.

During periods of freezing temperatures, a spa that has malfunctioned may be subject to damaged plumbing or equipment as a result of ice buildup within the spa. If the spa cannot be checked and maintained on a weekly basis, then consider winterizing the spa.

No Use for Over Six Weeks

When you are not planning to use the spa for six or more weeks, or when someone is not able to maintain the spa on a weekly basis, you should use Vacation mode. For extended absences you may also choose to winterize the spa. To winterize, follow these steps:

Winterization

WARNING: Prior to winterizing your spa, it will be necessary to super sanitize the spa water as per the instructions in the Water Chemistry section. This procedure will help prevent the growth of bacteria, algae and fungi in any areas of plumbing that may not be fully free of water after you drain your spa for its period of winterization.

NOTE: Your spa is equipped with a freeze protection mode. When potentially freezing outside temperatures are detected your control system will turn on to check the water temperature. If heating is necessary to protect from freeze conditions your spa may turn on and heat to a safe temperature. A notification will display on the main control screen indicating this mode is engaged.

Step 1: Drain the water.

Step 2: Use a shop vacuum to vacuum the plumbing lines by placing the vacuum nozzle over each of the lower jet faces in the spa. Lower jets are any jets located at or below the bench seat area.

Step 3: Remove the drain plug from the pump(s) and loosen all PVC pipe unions in the equipment compartment. Do not replace the plugs or tighten the unions until the spa is de-winterized.

Step 4: Clean the spa shell.

Step 5: Remove filter cartridge(s), clean, and reinstall.

Step 6: Secure the cover to the spa utilizing the tie downs and locking system. In areas where heavy snow is anticipated, place a large piece of plywood (or its equivalent) on top of the spa cover to assist in supporting the cover with the added weight of the snow. Remove snow off the cover following each snow storm.

WARNING: To avoid water from becoming trapped between the floor suction fitting and the filter pipe. Use a wet/dry vacuum to remove the remaining water out of

pipe by placing the vacuum end over the filter hole. In a two-pump spa, first plug off one filter using a tennis ball then vacuum out the water. Or pour ½-1 gallons (5-9 liters) of RV antifreeze into the filter hole.

NOTE: RV antifreeze is nontoxic and does not require evacuation at start up.

Spa De-Winterization

To de-winterize the spa, reverse the winterization procedure. Refill to the water level mark.

WARNING: Whenever refilling the spa, it will be necessary to Super Sanitize the new spa water. Instructions are found in the Water Chemistry section.

LED Light Replacement

Contact your authorized Bullfrog Spas Dealer for repair.

Calm Door Removal

Step 1: Remove trim strips from trim channels by pulling carefully and firmly, working from the bottom of the trim strip to the top. Place trim strips aside.



Step 2: Remove door - Carefully pull bottom of door out toward you. Carefully grab the bottom corner of the door and pull it out enough that you can slip your other hand in behind the side of the door about 4-5 inches (10-13 cm) up from the bottom. From there you will pull the door firmly away from the spa until the snap on the door pulls out of the snap feature in the rib. Continue to pull the door away until the second snap on the other side pulls out. The door can then be dropped out of the groove on top and removed from the spa.



Step 3: When removed, lean door against spa.

Calm Door Installation

Step 1: Door – Slip the upper lip of the door into the top behind the lip of the spa. Lower the door while gently pushing on it until you feel the snaps line up with the snap features in the ribs. Starting from one side, force the first snap into place and then force the other side until the door is secured.

Step 2: Replace trim strips by snapping each carefully into the trim channel.

INSTALLATION & DELIVERY

Reference Material

Before attempting to install or use your spa, please read Important Safety Instructions as well as all the installation instructions that follow.

Site Selection and Preparation

Your home most likely offers multiple sites where your spa may be installed. Use the information presented in this section to assist you in carefully selecting the site that works best for you. It is your responsibility to choose and prepare the site properly before delivery, so you will experience a smooth and efficient delivery as well as obtain optimal use and full enjoyment of your spa.

Environment:

Surroundings: The direction that your spa will be facing will contribute to your overall bathing experience. Select the spa location that will provide optimal views based on your property layout. Consider your lifestyle and where you want to enjoy your spa and situate it accordingly. Indoor installations provide privacy, but create high levels of humidity (see Indoor Considerations). If your spa is outside, a nearby place for you and your guests to change clothes is a huge convenience. Also, a location near a house entry is convenient in areas with extreme winter climates.

Indoor Considerations: Indoor spa installations have special requirements.

The environment both around and below the spa should be water resistant, and preferably waterproof. It must be capable of handling water splashed out from the spa as well as the possibility of a malfunction.

Recommendations to handle water around the spa include, but are not limited to, a floor drain and/or a catch basin equivalent to the volume of water in your spa. Condensation can also occur on the spa cover and drip onto the floor. Therefore, ensure that flooring materials provide a good grip when wet and are resilient to constant exposure of water and chemicals.

In addition to handling the water from the spa, it is recommended that the room be properly ventilated. Humidity levels will naturally increase after the spa is installed and in use. Water may get into woodwork and produce dry rot, mildew, or other problems. Over time, high levels of humidity and spa chemicals can cause water damage to your floor, wall, and ceiling surfaces.

To minimize humidity damage, it is best to provide plenty of ventilation such as a ceiling fan and moisture-resistant paint. An architect can help to determine if special

ventilation equipment is required, such as a humidistat or dehumidifier which can be installed to regulate indoor humidity during spa use.

NOTE: Typical indoor surfaces include, but are not limited to concrete, wood, non-slip tile, or linoleum.

Outdoor Considerations: There are several considerations when installing your spa outdoors.

1. Avoid selecting a site where excessive water may contact the spa, such as sprinklers or a roof edge without rain gutters.
2. Avoid areas of direct, prolonged sunlight (if possible). The ultraviolet rays may fade or damage the spa cover and cabinet.
3. Check all applicable national and local codes regarding possible restrictions that require fencing or childproof gates around the spa.
4. Prevent dirt, sand, and foliage from being tracked into your spa by utilizing concrete, concrete pavers, or stone for paths and access areas (or, avoid positioning your spa in an area where debris will be tracked into the spa). Check the location of trees and spill paths from gutters to determine if wind or rain will sweep debris into your spa.
5. Consider your view and your privacy during all seasons of the year so your experience in your outdoor spa will be enhanced rather than limited.

NOTE: Typical outdoor surfaces include, but are not limited to concrete, brick, non-slip tile, wood decking, pea gravel, or sand.

Spa Location

Service Access: Some people choose to install tile, stone, or custom wood around their spas. If you are installing your spa with custom trimming, remember to allow access for service. Should your spa need service, a technician may need to remove the spa's equipment compartment door or side panels, or access the spa from beneath. Also, it is always best to design special installations so the spa can still be moved, or lifted from the ground.

Access to Circuit Breakers: For service purposes, allow easy access to the circuit breakers in the electrical service panel (permanently connected models), or to the interrupter switch on the end of the power cord (cord-connected models).

Electrical Safety Requirements: The installation of all spas must be in accordance with national and local wiring rules and with applicable permits consistent with local regulations. A licensed Electrician must perform

the electrical installation and GFCI test procedure. Each Bullfrog Spa is manufactured and tested to a standard that provides maximum protection against electrical shock.

Improper wiring may prevent the spa from operating safely which could result in electrical shock, injury, or death. Improper wiring could also lead to a malfunction of the spa's equipment and risk of fire. When considering a location for your spa, consult with a licensed Electrician pertaining to the following:

Overhead Power Lines: Based upon the national and local wiring rules that apply to your area, you will need to install your spa at the required minimum horizontal and vertical distances from all power lines.

Service Disconnect: Based upon your area, a disconnect device must be incorporated into the fixed wiring in accordance with national and local wiring rules. If the national and local wiring rules permit, a GFCI or RCD Sub-Panel may be used to substitute the service disconnect, providing that it is located within the same parameters.

Electrical Outlets, Switches and Devices: Based upon the national and local wiring rules that apply to your area, you must install your spa at the required minimum distance from all electrical outlets, switches, and devices.

Bonding: Based upon the national and local wiring rules that apply to your area, the Control System Box located inside the equipment compartment of your spa must be bonded to all metal equipment, handrails, fixtures, enclosures, pipe, or conduit that are located within the maximum specified distances. The bonding is to be connected to the ground lug connector on the exterior surface of the Control System Box and all metal items previously described.

Equipment Compartment Access: Make sure the spa is positioned so access to the equipment compartment will not be blocked.

All other national and local rules that may be applicable.

Water Drainage: Your spa contains an equipment compartment, which houses all of its electrical components. Allowing water into the equipment compartment can damage the electronics, or may result in tripping your spa's circuit breaker. If installing the spa in a SpaVault, below ground level, or where water may accumulate it is the owner's responsibility to ensure that water will drain adequately so as not to damage spa equipment. For normal installations at ground level choose a site where water will drain away from the spa.

Use of a Cover-Lifting Mechanism: If using a cover-lifting mechanism, allow up to 18 inches

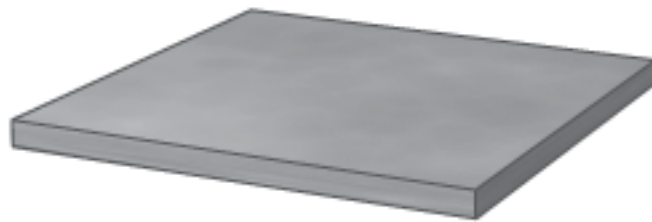
(.61m) of clearance behind the spa. Check with your authorized Bullfrog Spas Dealer for the exact clearance requirements for the cover-lifting mechanism.

Spa Foundation

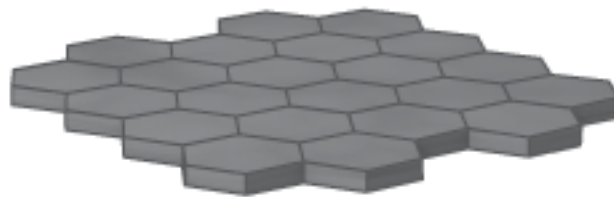
General Guidelines: Select a structurally sound flat surface that is reasonably level to serve as your spa's foundation. A foundation that shifts or settles may cause stress to the spa shell.

The foundation that your spa rests on must have a weight bearing load capability of supporting the weight of your spa, its water, and the people using it. The maximum filled weight of a spa can be as much as 6,000 lbs. (2,800kg), plus the weight of the occupants that use the spa (for the weight bearing load requirements as well as the maximum filled weight of your spa, refer to the Spa Technical Specifications Chart or contact your local authorized Bullfrog Spas Dealer).

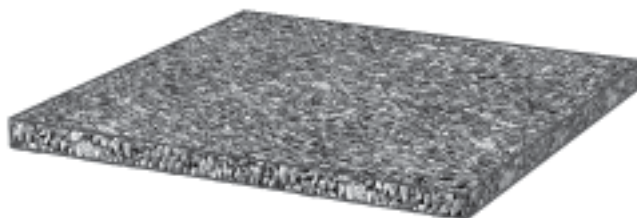
If your spa's pad is slightly sloped it may not affect the performance of the spa or its structure, however, there should be no dips, sags, or unevenness in the pad. Most patios are built to slope away from the house for drainage purposes. There should be no more than a 1/2" (1cm) slope in an 8 ft (2m) run. Recommended flooring materials include a concrete pad, concrete pavers or bricks, pea gravel, or crushed rock 1.5" (4cm) or less, or a reinforced deck. Additionally, your authorized Bullfrog Spas Dealer may sell or recommend pre-formed spa pads.



Concrete Pad



Concrete Pavers



Pea Gravel or Crushed Rock

NOTE: Concrete foundations should be a minimum of 4 inches (10cm) thick and should be reinforced with either rebar or mesh. For electrical grounding purposes, the rebar or mesh should be attached to a bond wire (see Electrical Requirements and Installation Instructions).

WARNING: To prevent serious damage to your spa, it is important that the spa foundation be supported by a flat, stable, and consistent subsurface. Bullfrog Spas International highly recommends consulting a qualified, licensed contractor prior to the installation of any spa foundation. For assistance, contact your authorized Bullfrog Spas Dealer.

WARNING: Because your spa pad must provide continuous support for the entire base of the spa, you should never level it with shims. If it is necessary to level your spa, make sure the entire spa's structure is fully supported, both in the center as well as the outer edge. When leveling your spa, there should be no voids beneath it. Contact your authorized Bullfrog Spas Dealer before making any leveling adjustments. Structural damage to the spa resulting from incorrect installation, placement on an inadequate foundation, or improper leveling will void the spa's warranty.

Elevated Installations: Be certain your deck or elevated structure can support the maximum filled weight of your spa with the total weight of occupants that use it. You must know the deck's weight-bearing load capacity and ensure that it is greater than the maximum filled weight of your spa combined with the occupants using it or serious injury or structural damage could result. To find the weight-bearing load requirement along with the maximum filled weight of your spa, refer to the Spa Technical Specifications Chart or contact an authorized Bullfrog Spas Dealer.

CAUTION: Consult a qualified structural engineer or contractor before the spa is placed on an elevated structure or deck.

Design Considerations

Hard-Surface Options (Decking and Flooring):

In addition to selecting a hard surface that meets the recommended safety and maintenance criteria, consider textures and colors that will assist in enhancing the aesthetics of the area in which your spa will be installed. The decision to match, contrast, or blend the hard surface colors and textures with those of your spa should only be made after carefully researching your options. The cost of a Landscape Architect may be money well spent.

Surrounding Landscape: The correct landscape around your spa will not only soften the adjacent hard surface areas, but will add life and much enjoyment to the environment. If the budget allows, you may want to consult with a Landscape Architect for expert advice.

Spa-Side Accessories: Besides selecting the correct hard surfaces and landscape around your spa, the addition of the proper spa-side accessories will provide just the finishing touch that you are looking for. Spa steps, benches, towel racks, planter boxes, or an outdoor fireplace are just a few of the items that can be considered when accessorizing your spa.



Delivery Basics

To prepare for the delivery of your spa, make sure the delivery path is clear and no obstructions are present. Occasionally a crane is required to install the spa by lifting it to its final destination. The crane operator will lift your spa over walls, buildings, or any other obstruction and place it as close to the installation site as possible.

Depending on access to the spa site, your spa may be dollied in either horizontal or vertical position. For your convenience, follow the chart provided in the User Setup and Safety Guide to find the dimensions of your spa in either the horizontal or vertical position.

WARNING: An empty spa (spa without water in it) must not be left exposed to sunlight as shell damage may occur. Once the spa is unwrapped, fill spa with water immediately or shade the spa with cover or wrapping to prevent direct exposure to sunlight.

WARNING: Watch for power lines.

Electrical Requirements

New Installations and Re-Installations

These instructions apply to both new installations and re-installations which may occur when a spa is moved or relocated to a new location.

120V~/60Hz Equipment

120V~/60Hz CordConnected Installation: This option is only applicable if the spa was ordered from the factory with both a 120V~/60Hz pump and a 120V~/60Hz power cord. The spa's Safety Approval Listing and warranty will be void, and the spa may be unsafe if an aftermarket power cord is installed on the spa. Cord-Connected spas

have already been converted to operate on 120V~/60Hz power at the factory and come with approximately 15' (4.57m) of usable power cord (the maximum length allowed) attached to the spa. This factory installed power cord comes with a built-in GFCI breaker.

IMPORTANT: Cordage shall be replaced only with a special cordage assembly available from the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Cord-Connected 120V~/60Hz spas require that the factory installed power cord, with its built-in GFCI breaker be connected to a 120V~/60Hz, 15A, Single-Phase, dedicated, grounded circuit and power outlet. It is important that this circuit is dedicated (not being used by any other electrical appliance) or your spa may not function properly. For safety purposes, the location of the power outlet (where the spa is to be connected) can be no closer than the minimum allowable distance specified by the national and local wiring rules in your area. Installation must be in accordance with all national and local wiring rules.

WARNING: Never use an extension cord. Bullfrog International, LC does not allow the use of an extension cord under any possible situation. The use of an extension cord voids any warranty on the spa equipment and also exposes the consumer to additional risk of fire, electrical shock, injury, or death.

120V~/60Hz Equipment

Permanently-Connected 120V~/60Hz spas require a GFCI protected, 3-wire (Line 1, Neutral and Ground), 120V~/60Hz, 15A, Single-Phase, dedicated electrical circuit. It is important that this circuit is dedicated (not being used by any other electrical appliance) or the spa may not function properly. Installation must be in accordance with all national and local wiring rules.

240V~/60Hz Equipment

Permanently-Connected 240V~/60Hz spas require a GFCI protected, 4-wire (Line 1, Line 2, Neutral, and Ground), 240V~/60Hz, 50A, Single-Phase, dedicated electrical circuit. It is important that this circuit is dedicated (not being used by any other electrical appliance) or the spa may not function properly. Installation must be in accordance with all national and local wiring rules.

Connecting the Electrical Service to the Spa

IMPORTANT: Installation must be in accordance with all national and local wiring rules and performed by a licensed Electrician.

Step 1: Choose one of the three available conduit entry points. (White/Black decal)

Step 2: Determine the conduit diameter and drill a hole that is properly sized for the conduit (¾" conduit drill 1-1/8" hole, 1" conduit drill 1-3/8" hole). Use the + as the locator for the center of the hole. The hole saw must go through two layers of plastic. There is a 1" space between both layers.

Step 3: Push the conduit through the hole until it comes out into the equipment area

Step 4: Remove the faceplate to the Control System Box

Step 5: Connect the conduit to the Control System Box using a Liquid Tight Connector.

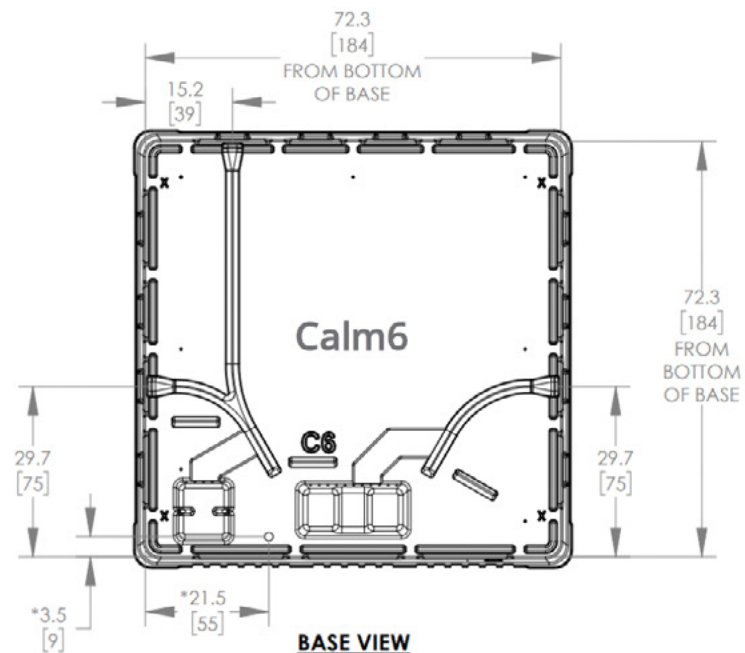
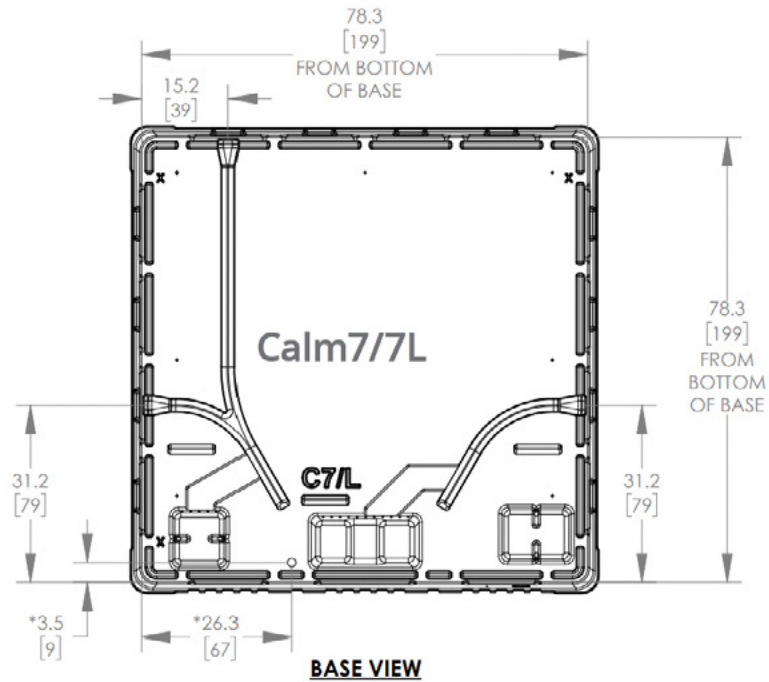
Step 6: Run the required wires through the conduit to the Control System Box.

Step 7: Connect the electrical service wires to the terminal block located in the Control System Box.

Step 8: Replace the Control System Box faceplate and the equipment compartment door. The electrical hook-up is complete.

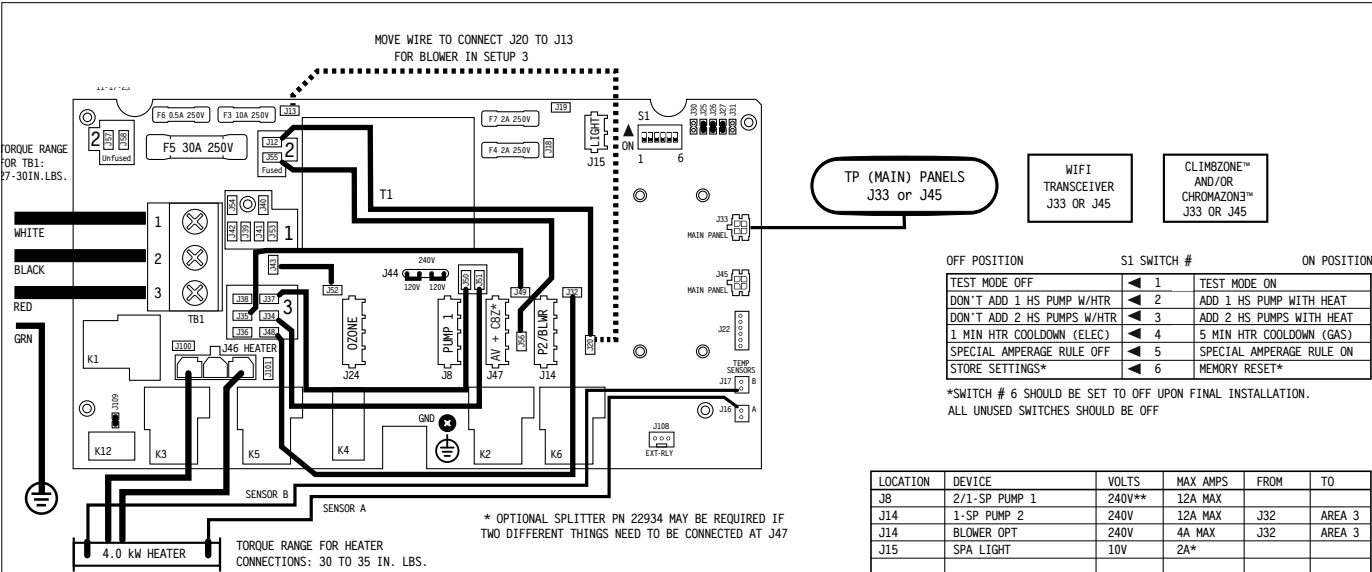
Note: To conform with electrical codes, and to create a barrier against pests, any holes created in the base of your Bullfrog Spa should be fitted with an appropriate connector.

ELECTRICAL CHASEWAY DIAGRAMS



SETUP AND WIRING DIAGRAMS

Wiring Diagram Calm Spas, BP501 Control Box, UL



CONNECT ONLY TO CIRCUITS PROTECTED BY A CLASS A GFCI. A DISCONNECTING MEANS MUST BE INSTALLED WITHIN SIGHT FROM THE EQUIPMENT AND AT LEAST 5 FEET (1.52 M) FROM THE INSIDE WALLS OF THE POOL, SPA, OR HOT TUB. FOR SUPPLY CONNECTIONS, USE CONDUCTORS SIZED ON THE BASIS OF 60°C AMPACITY BUT RATED MINIMUM OF 90°C. USE COPPER CONDUCTORS ONLY. EMPLOYER UNIQUEMENT DES CONDUCTEURS DE CUIVRE. #6 AWG MIN. WIRE= 90°

LOCATION	DEVICE	VOLTS	MAX AMPS	FROM	TO
J8	2/1-SP PUMP 1	240V**	12A MAX		
J14	1-SP PUMP 2	240V	12A MAX	J32	AREA 3
J14	BLOWER OPT	240V	4A MAX	J32	AREA 3
J15	SPA LIGHT	10V	2A*		
J24	OZONE	240V**	0.5A		
	P1/OZONE LINE 1 CONNECTION			J50, J51	AREA 3
J47	AV + CLIMBZONE™ (C8Z)	240V	2A + 8A	J49	AREA 3
J46	HEATER	240V	4.0 kW		

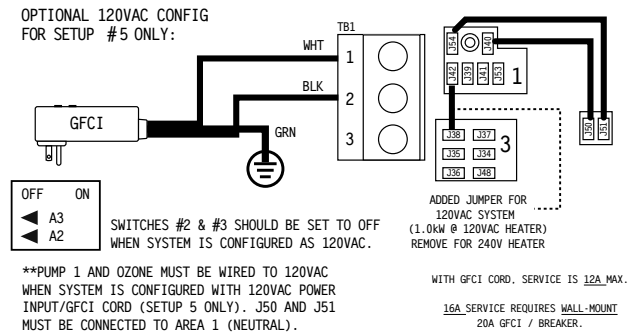
**PUMP 1 AND OZONE ALL MUST BE THE SAME VOLTAGE.
* 2A LIMIT IS SHARED BY J15 SPA LIGHT AND CHROMAZONE™

PART A

GFCI WIRING DIAGRAMS

120V Wiring Diagram for Calm Spas, BP501 Control Box, UL

Refer to wiring diagram in the enclosure box lid for more information.



IMPORTANT NOTE:

CLIMBZONE™ (C8Z) CANNOT BE USED IN THE 120VAC CONFIG.

120 V (*3 wires)

Note: To convert model to a 120 V system, the white (common) accessory wires must be moved.
See wiring diagram for details.

Insert each wire into the appropriate socket of the main entry terminal block according to the color code indicated on the sticker. Use a Philips head screwdriver to tighten the screws on the terminal.

After making sure the wires are securely connected, push them back into the box and replace the cover. Do not over-tighten cover screws (torque to 8 in per lb max {0.9 N.m})

Connect the bonding conductor to the bonding lug on the front of the spa pack (a grounded electrode conductor should be used to connect the equipment grounding conductors).

TROUBLESHOOTING GUIDE

This guide will assist in solving simple problems with the spa. If the problem cannot be solved using these procedures, contact your authorized Bullfrog Spas Dealer.

Control panel displays an error message:

Cause: An error has occurred.

Solution: See Diagnostic Messages for specific errors.

Control pad and spa equipment do not operate:

Cause #1: No electrical power to spa.

Solution: Turn on or reset the GFCI circuit breaker.

If this does not solve the problem, have a qualified Electrician check the electrical service.

Cause #2: The 20 or 30A fuse, depending on the system, has blown.

Solution: Contact your authorized Bullfrog Spas Dealer.

GFCI breaker trips repeatedly:

Cause #1: Improper wiring to spa or GFCI breaker is defective.

Solution: Consult with a qualified Electrician.

Cause #2: There is a defective component on the spa.

Solution: Contact your authorized Bullfrog Spas Dealer.

Spa pump turns off during operation:

Cause #1: Automatic timer has completed its 30 or 60 minute cycle.

Solution: Turn on the pump.

Cause #2: Pump has overheated due to the vents on the equipment door being blocked.

Solution: Clear items away from vents.

Cause #3: The pump motor is defective.

Solution: Contact your authorized Bullfrog Spas Dealer.

Spa will not heat:

Cause #1: Thermostat has been turned down or set to low heat range.

Solution: Adjust thermostat to desired temperature or set to high heat range.

Cause #2: High limit sensor has tripped.

Solution: Press any button to reset.

Cause #3: Heating system is defective.

Solution: Contact your authorized Bullfrog Spas Dealer.

Standard Spa light does not work:

Cause #1: Light has failed.

Solution: Replace light.

Cause #2: Lighting system is defective.

Solution: Contact your authorized Bullfrog Spas Dealer.

Jets surge on and off:

Cause: Water level is too low or filters may be dirty.

Solution: Adjust water to the water level indication mark on the faceplate of the filter assembly. Clean the filters.

Spa pump will not turn on, creates a burning smell while running, or makes excessive noise while running:

Cause: Pump motor is defective. Running during high ambient outside temperatures, excessive run time.

Solution: Contact your authorized Bullfrog Spas Dealer.

Jets are weaker than normal or do not work at all, but the pump is running:

Cause #1: Jet handle(s) are partially or fully closed.

Solution: Open jet handle(s) / valve(s).

Cause #2: Filter cartridge is dirty.

Solution: See Cleaning the Filter.

Cause #3: There is air trapped in the spa equipment or its face piping.

Solution: Remove the clamp to the air bleed line and remove the air line from the pump until air has purged out and you see water flow and reconnect.

Cause #4: The suction fitting(s) are blocked.

Solution: Remove any debris that may be blocking the suction fitting(s).

If your issue is not listed here, contact your dealer for further instructions.

LIMITED WARRANTY

Calm™ for United States and Canada

Bullfrog International, LC ("Bullfrog" or "we") extends the following coverage under this Limited Warranty solely to the original end-user purchaser ("Owner" or "you") of any 2026 model year and later Calm™ hot tub manufactured on or after January 1, 2026 and installed for residential use in the United States or Canada.

3 YEAR WARRANTY

SHELL STRUCTURE

Bullfrog warrants the Calm spa shell will not leak for three years from the original spa purchase date.

ENDURAFRAME®

Bullfrog warrants the EnduraFrame (injection-molded spa frame) against degradation for three years from the original spa purchase date.

PATIO PERFORMANCE® SPA COVER

Bullfrog warrants the Patio Performance spa cover against defects in materials or workmanship, unless determined to be normal fading or wear, for three years from the original spa purchase date.

2 YEAR WARRANTY

SHELL SURFACE

Bullfrog warrants the surface finish of the Bullfrog Spa will not crack, craze, wrinkle, blister, peel or delaminate for two years from the original spa purchase date.

EQUIPMENT

This warranty specifically covers the pump(s), heater, control system, FilterCap™, other Bullfrog mechanical equipment (excluding any equipment listed in other sections), and leaks from any component or plumbing fitting located beneath the spa shell.

Electrical and mechanical equipment with its associated piping and fittings are warranted against defects in materials and workmanship for two years from purchase date.

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 referred to as "Easily Removed Components," will be repaired or replaced free of charge at your authorized Bullfrog Spas dealer or retail store or by sending the defective component(s) to Bullfrog. This warranty excludes audio systems, water care systems, and spa lighting systems.

SPA CABINET

This warranty specifically covers the cabinet corners, door and side panels.

Cabinet sections (corners, doors, side panels) are warranted against material degradation and cracking for two years from purchase date.

1 YEAR WARRANTY

LIGHTING SYSTEMS

Bullfrog warrants the spa lighting systems against defects in materials and workmanship for one year from the original spa purchase date. Lighting components that are Easily Removed Components will be repaired or replaced free of charge at your authorized Bullfrog Spa dealer or retail store or by sending the defective component(s) to Bullfrog.

AUDIO SYSTEMS

Bullfrog warrants audio systems against defects in materials and workmanship for one year from the original spa purchase date.

WATER CARE SYSTEMS

Bullfrog warrants water care systems against defects in materials and workmanship for one year from the original spa purchase date.

OTHER WARRANTIES

Bullfrog warrants the Bullfrog Spa pillows, metal jet faces, and filters against defects in materials and workmanship through time of delivery.

WARRANTY PERFORMANCE and TERMS

Bullfrog or its authorized agent (i.e., personnel of Bullfrog, its retail dealers, or its authorized third-party service companies) will repair or replace any malfunctioning or defective component on the spa that is covered under the terms of this Limited Warranty and was purchased from an authorized Bullfrog Spas dealer or retail store. Bullfrog reserves the right, at its option, to either repair or replace a defective spa or component. Owner is required to maintain clear access for spa repairs and is responsible for any non-standard costs of accessing spa equipment or spa plumbing. When warranty service requires removal of the spa, Owner will be responsible for any non-standard costs of spa removal and replacement, such as for spas located in a vault, spas located on an upper deck where a crane is required, or repair or replacement of decking or surrounding stone or concrete.

If a replacement spa or component is provided by Bullfrog, Owner will be responsible for all costs for removal and replacement of the defective product, mileage charges, shipping costs of the replacement product, and delivery. In the event of a structure or frame failure after the warranty term, the defective spa must be sent to Bullfrog for repair at Owner's expense. In some situations, the servicing dealer or Bullfrog may charge Owner a reasonable service fee.

Bullfrog reserves the right to use either new or reconditioned replacement components. Any repair or replacement component or spa does not receive new or extended warranty coverage but is covered only under the remaining portion of the original product's warranty term.

To obtain warranty service, contact your authorized Bullfrog Spas dealer or Bullfrog and submit proof of purchase. The proof of purchase requirement may be waived if Bullfrog's or the dealer's records can confirm the original spa purchase date and that you are the original purchaser. Any defective spa or component sent directly to the factory for warranty repair must be pre-authorized by Bullfrog and must be freight prepaid. Return freight will be paid by Bullfrog on all warranted components and spas, except that Owner is responsible for all shipping charges for any spa

returned for repairs more than three years after its purchase date. When the entire spa is sent to the factory for repair, all costs of removing and re-installing the spa at Owner's location will be the responsibility of Owner. Repair or replacement, as described above, shall be Bullfrog's sole liability for any breach of this Limited Warranty.

EXCLUSIONS

This Bullfrog Spa Limited Warranty is void in the following circumstances:

- The spa has been subject to neglect, misuse or abuse, or to alterations that cause the damage.
- Damage is caused by repair or maintenance work that has been attempted or done by anyone other than an authorized agent of Bullfrog.
- The spa has been used in a non-residential or commercial location (including where a spa may be used by multiple residents of an apartment or townhome complex) or in any way for which it was not designed.
- Damage is caused by an act of God (fire, earthquake, hail, etc.) or any other cause beyond the control of Bullfrog.
- Damage is caused by the addition or use of any non-approved mechanical or electrical component, or chemical substance.
- Damage is caused by shipping, moving, mishandling, improper installation or electrical hook-up by someone other than an authorized agent of Bullfrog.
- Damage to the spa shell is caused by excessive heat build-up due to failure to properly cover the spa when it is empty of water or exposed to direct sunlight or other weather conditions.
- Damage is caused by operating the spa outside the water temperature range of 40°F-110°F (4°C-43°C).
- Damage is caused by improper maintenance of spa water chemistry or by allowing undissolved spa chemicals to lie on the spa's surface.
- Damage is caused by failure to install, maintain and operate the spa in accordance with the recommendations contained in the Bullfrog Owner's Manual, Pre-Delivery Guide or any other printed instructions, notice or bulletin from Bullfrog.
- Damage is caused by failure to provide a proper spa foundation as described in the Pre-Delivery Guide.

Any person or company may perform necessary maintenance or repairs on a Bullfrog spa. However, any damages caused by you or anyone other than Bullfrog or its authorized agents are not covered and may void this Limited Warranty.

LIMITATIONS

THIS LIMITED WARRANTY STATES BULLFROG'S SOLE LIABILITY AND OBLIGATION FOR ANY SPA PROBLEMS OR MALFUNCTIONS AND FOR ANY WARRANTY BREACHES. THIS LIMITED WARRANTY TAKES THE PLACE OF ALL OTHER WARRANTIES, INCLUDING ANY EXPRESS OR STATUTORY WARRANTIES. ANY IMPLIED WARRANTIES (SUCH AS IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED TO THE STATUTORY PERIOD OR THE DURATION OF THE APPLICABLE WARRANTY STATED ABOVE, WHICHEVER IS SHORTER. NO AGENT, DEALER, DISTRIBUTOR, SERVICE COMPANY OR OTHER PARTY IS AUTHORIZED TO CHANGE, MODIFY OR EXTEND THE TERMS OF THIS LIMITED WARRANTY IN ANY MANNER WHATSOEVER. THIS LIMITED WARRANTY TERMINATES UPON TRANSFER OF SPA OWNERSHIP. BULLFROG MAY, AT ITS OPTION, EITHER REPAIR OR REPLACE A DEFECTIVE PRODUCT (SPA OR A COMPONENT). IF THE SPA NEEDS TO BE REPLACED BUT THE CURRENT MARKET PRICE OF THE REPLACEMENT SPA IS GREATER THAN THE ORIGINAL SPA'S MARKET PRICE, OWNER WILL BE REQUIRED TO EITHER PAY AN UPGRADE FEE OR CHOOSE A REPLACEMENT SPA COMPARABLE TO THE MARKET PRICE OF THE ORIGINAL SPA AT THE TIME OF ITS PURCHASE. THE ORIGINAL WARRANTY PERIOD WILL CONTINUE TO APPLY TO ALL REPAIRED AND REPLACEMENT SPAS AND COMPONENTS AND WILL NOT BE RENEWED OR EXTENDED FOR ANY REASON.

DISCLAIMERS

EXCEPT AS SET FORTH IN THIS LIMITED WARRANTY OR OTHERWISE REQUIRED BY APPLICABLE LAW, BULLFROG AND ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY, DEATH, DAMAGES TO PROPERTY, LOSS, COST OR OTHER DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR PUNITIVE, ARISING OUT OF THE SPAS, BULLFROG'S OR ITS AGENTS' SERVICES, OR ANY DEFECT COVERED BY THIS LIMITED WARRANTY, INCLUDING WITHOUT LIMITATION LOSS OF USE OF THE SPA AND COST FOR REMOVAL OF DEFECTIVE PRODUCTS, EVEN IF BULLFROG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. EXCEPT AS REQUIRED BY LAW, THE TOTAL LIABILITY OF BULLFROG AND ITS AUTHORIZED AGENTS TO YOU OR THIRD PARTIES SHALL NOT EXCEED THE ORIGINAL AMOUNT PAID FOR THE DEFECTIVE PRODUCT.

LEGAL RIGHTS

This Limited Warranty gives you specific legal rights. You may also have other rights under the laws of your country, state, or province. Some jurisdictions do not allow limitations on certain implied or statutory warranties or other warranty terms and conditions, so these limitations may not apply to you. Prompt return of a completed warranty registration form will help protect your warranty rights. Registration requirements do not apply to residents of California or other jurisdictions where prohibited by law.

Updated 11/2025

Pat. www.bullfrogspas.com/patents

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Register your spa online by visiting:
bullfrogspas.com/warranty-registration

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