

# Spa Information

## My Spa

**Model Name:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Date Purchased:** \_\_\_\_\_

**Date Installed:** \_\_\_\_\_

**Gallons/Liters:** \_\_\_\_\_

**Notes:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Dealer Information:


**Dealer's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State, Zip:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

# Table of Contents

<b>IMPORTANT SAFETY INSTRUCTIONS</b> .....	<b>1</b>
<b>HYPERTHERMIA</b> .....	<b>4</b>
<b>SAFETY DO'S AND DON'TS</b> .....	<b>4</b>
<b>WARNING SIGNS</b> .....	<b>5</b>
<b>INITIAL STARTUP</b> .....	<b>6</b>
<b>OPERATION</b> .....	<b>10</b>
<b>USING YOUR CONTROL PANEL:  drive</b> .....	<b>10</b>
<b>DYNAMIC MASSAGE SEQUENCER™</b> .....	<b>18</b>
<b>FEATURES UNIQUE TO CERTAIN MODELS</b> .....	<b>20</b>
<b>SELECTOR VALVES, FLOW CONTROLS, SWITCHES, AND JET PILLOWS</b> .....	<b>20</b>
<b>WATER FEATURES</b> .....	<b>21</b>
<b>SOFTTOUCH™ LIGHTING</b> .....	<b>22</b>
<b>HYDROSPORT AQUATIC FITNESS GEAR (AFTERMARKET ACCESSORY)</b> .....	<b>22</b>
<b>IWATCH PERIMETER LIGHTING SYSTEM</b> .....	<b>23</b>
<b>USING THE IWATCH LIGHTING</b> .....	<b>24</b>
<b>ROUTINE EQUIPMENT MAINTENANCE</b> .....	<b>25</b>
<b>DRAINING YOUR SPA</b> .....	<b>25</b>
<b>FILTER CLEANING</b> .....	<b>25</b>
<b>LIGHT BULB REPLACEMENT</b> .....	<b>27</b>
<b>SPA SURFACE CARE</b> .....	<b>27</b>
<b>SPECIAL COLD WEATHER INSTRUCTIONS</b> .....	<b>28</b>
<b>TROUBLESHOOTING GUIDE</b> .....	<b>30</b>
<b>HEATING SYSTEM</b> .....	<b>30</b>
<b>ELECTRICAL SYSTEM</b> .....	<b>30</b>
<b>WATER SYSTEM</b> .....	<b>31</b>



## IMPORTANT SAFETY INSTRUCTIONS

### READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY

When installing and using this equipment, basic safety precautions should always be followed, including:

- **Risk of Accidental Drowning.** Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use or approach the spa unless they are supervised at all times.
- **Risk of Serious Injury or Death.** The suction fittings in this 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. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.
- **Risk of Electric Shock.** Install at least 5 FEET (1.5 m), from all metal surfaces. As an alternative, a spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum No. 8 AWG (8.4 mm<sup>2</sup>) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment on the equipment can.
- **Risk of Electric Shock.** Do not permit any electrical appliance, such as a light, telephone, radio, television, etc. within 5 feet (1.5 m) of a spa. Never operate any electrical appliances from inside the spa or when you are wet.
- The electrical supply for this spa must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with section 680-42 of the National Electrical Code, ANSI/NFPA 70-1993. The disconnect must be readily accessible and visible to the spa occupant but installed at least 5 feet (1.5 m), from the spa water.
- A grounding wire connector is provided on this spa to connect a minimum No. 8 AWG (8.4 mm<sup>2</sup>) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the spa.
- Do not attempt to remove the light housing cover without lowering the water level below the light housing cover.
- **To Reduce the Risk of Injury:** The water 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. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
- **To Reduce the Risk of Injury:** Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100° F (38° C).
- **To Reduce the Risk of Injury:** Before entering a spa, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices may vary as much as +/- 5° F (2° C).
- **To Reduce the Risk of Injury:** The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
- **To Reduce the Risk of Injury:** Pregnant women, the elderly, infants, or persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes, should consult a physician before using a spa. Pregnant or possibly pregnant women should not enter water warmer than 100° F (38° C).

## Dimension One Spas - Bay Collection - Owner's Manual

- **To Reduce the Risk of Injury:** Persons using medication should consult a physician before using a spa since some medication may induce drowsiness, while other medication may affect heart rate, blood pressure, and circulation.
- Observe a reasonable time limit when using the spa. Long exposures at high temperatures can cause high body temperature. Symptoms may include dizziness, nausea, fainting, drowsiness, and reduced awareness. These effects could result in possible drowning.
- Enter and exit the spa slowly. Wet surfaces can be very slippery.
- Proper chemical maintenance of spa water is necessary to maintain safe water and prevent possible damage to spa components.
- Use the spa straps and clip tie downs to secure the cover when not in use. This will help to discourage unsupervised children from entering the spa and keep the spa cover secure in high wind conditions. There is no guarantee that the cover, clip tie downs, actual locks will prevent access to the spa.

### SAVE THESE INSTRUCTIONS



#### **IMPORTANT SAFETY INSTRUCTIONS (CANADA) (CSA SAFETY INFORMATION)**

**In addition** to the preceding safety instructions, Canadian owners should read and understand the following information from the Canadian Safety Association:

#### **READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY**

- A green colored terminal or a terminal marked G, GR, Ground, Grounding, or the 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.
- IEC Publication 417, Symbol 5019.
- At least two lugs marked “BONDING LUGS” are provided on the external surface or on the inside of the supply terminal box/compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the hot tub or spa to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG.
- All field-installed metal components such as rails, ladders, drains or other similar hardware within 3 meters of the spa or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.
- Children should not use spas or hot tubs without adult supervision.
- **AVERTISSEMENT: NE PAS LAISSER LES ENFANTS UTILISER UNE CUVE DE RELAXATION SANS SURVEILLANCE.**
- Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment.
- **AVERTISSEMENT: POUR ÉVITER QUE LES CHEVEUX OU UNE PARTIE DU CORPS PUISSENT TRE ASPIRÉS, NE PAS UTILISER UNE CUVE DE RELAXATION SI LES GRILLES DE PRISE D’ASPIRATION NE SONT PAS TOUTES EN PLACE.**
- People using medications and/or having adverse medical history should consult a physician before using a spa or hot tub.

### Dimension One Spas - Bay Collection - Owner's Manual

- **AVERTISSEMENT:** LES PERSONNES QUI PRENNENT DES MÉDICAMENTS OU ONT DES PROBLÈMES DE SANTÉ DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER UNE CUVE DE RELAXATION.
- People with infectious diseases should not use a spa or hot tub.
- **AVERTISSEMENT:** LES PERSONNES ATTEINTES DE MALADIES INFECTIEUSES NE DEVRAIENT PAS UTILISER UNE CUVE DE RELAXATION.
- To avoid injury, exercise care when entering or exiting the spa or hot tub.
- **AVERTISSEMENT:** POUR ÉVITER DES BLESSURES, USER DE PRUDENCE EN ENTRANT DANS UNE CUVE DE RELAXATION ET EN SORTANT.
- Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning.
- **AVERTISSEMENT:** POUR ÉVITER L'ÉVANOUISSEMENT ET LA NOYADE EVENTUELLE, NE PRENDRE NI DROGUE NI ALCOOL AVANT D'UTILISER UNE CUVE DE RELAXATION NI QUAND ON S'Y TROUVE.
- Pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.
- **AVERTISSEMENT:** LES FEMMES ENCEINTES, QUE LEUR GROSSESSE SOIT CONFIRMÉE OU NON, DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER UNE CUVE DE RELAXATION.
- Water temperature in excess of 38° C may be injurious to your health.
- **AVERTISSEMENT:** IL PEUT ÊTRE DANGEREUX POUR LA SANTÉ DE SE PLONGER DANS DE L'EAU À PLUS DE 38°C.
- Before entering the spa or hot tub, measure the water temperature with an accurate thermometer.
- **AVERTISSEMENT:** AVANT D'UTILISER UNE CUVE DE RELAXATION MESURER LA TEMPÉRATURE DE L'EAU À L'AIDE D'UN THERMOMÈTRE PRÉCIS.
- Do not use a spa or hot tub immediately following strenuous exercise.
- **AVERTISSEMENT:** NE PAS UTILISER UNE CUVE DE RELAXATION IMMÉDIATEMENT APRÈS UN EXERCICE SATIGANT.
- Prolonged immersion in a spa or hot tub may be injurious to your health.
- **AVERTISSEMENT:** L'UTILISATION PROLONGÉE D'UNE CUVE DE RELAXATION PEUT ÊTRE DANGEREUSE POUR LA SANTÉ.
- Do not permit electric appliances (such as a light, telephone, radio, television, etc.) within 1.5m of this spa or hot tub.
- **AVERTISSEMENT:** NE PAS PLACER D'APPAREIL ÉLECTRIQUE (LUMINAIRE, TÉLÉPHONE, RADIO, TÉLÉVISEUR, ETC.) À MOINS DE 1.5 M DE CETTE CUVE DE RELAXATION.
- Maintain water chemistry in accordance with manufacturer's instructions.
- **ATTENTION:** LA TENEUR DE L'EAU EN MATIÈRES DISSOUTES DOIT ÊTRE CONFORME AUX DIRECTIVES DU FABRICANT.
- The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in hot tubs and spas.
- **AVERTISSEMENT:** LA CONSOMMATION D'ALCOOL OU DE DROGUE AUGMENTE CONSIDÉRABLEMENT LES RISQUES D'HYPERTHERMIE MORTELLE DANS UNE CUVE DE RELAXATION.

**SAVE THESE INSTRUCTIONS**

## Hyperthermia

Prolonged immersion in hot water may cause hyperthermia. A description of the causes, symptoms, and effects of hyperthermia are as follows: Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6° F, or 37° C. The symptoms of hyperthermia include dizziness, drowsiness, lethargy, and fainting. The effects of hyperthermia include:

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

## Safety Do's and Don'ts

### Do

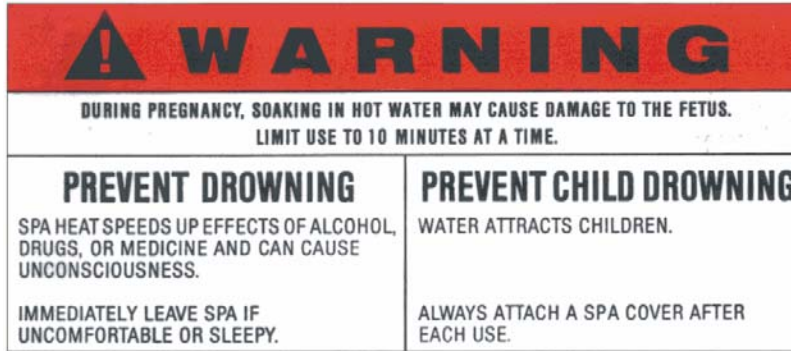
- **DO** read all operating instructions.
- **DO** read, understand and follow all Safety, Danger and Warning instructions before use.
- **DO** test water temperature with your hand before entering to be sure that it's comfortable.
- **DO** keep the spa cover closed when the spa is not in use. This is important for safety and for economical spa operation.

### Don't

- **DON'T** block the equipment compartment vents. Blockage may cause damage to the spa equipment and will void the warranty.
- **DON'T** block or sit on the filter recess area.
- **DON'T** allow horseplay or unsupervised use of your spa.
- **DON'T** allow anyone to tamper or play with any of the safety or suction fittings of your spa.

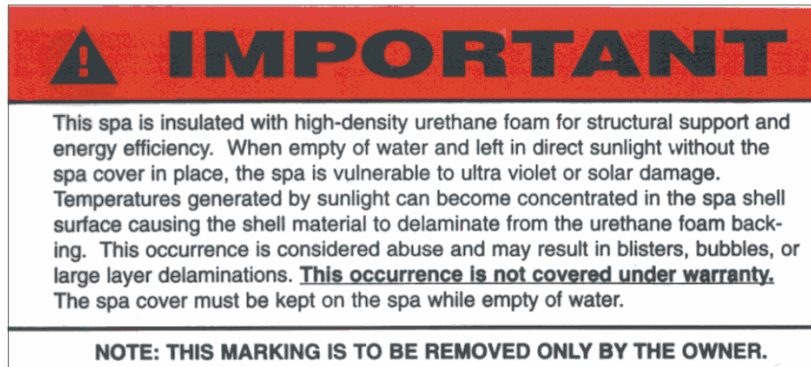
## Warning Signs

Each spa has been provided with a Warning Sign and an Important Notice label.



This label outlines safety precautions. This sign should be permanently placed in a location that is visible to the spa user. Replacement signs can be obtained from:

Dimension One Spas  
2611 Business Park Drive  
Vista, CA 92081






## Initial Startup

**IMPORTANT: About your GFCI Circuit Breaker** — The GFCI (Ground Fault Circuit Interrupter — also called a "circuit breaker") is an electrical safety switch that automatically shuts off power to the spa in case of an electrical malfunction. There must have a GFCI installed according to local building codes in an electrical power box near your spa. The GFCI should be OFF before the spa is filled. Manually turn off power to the spa any time by using the GFCI. Just push the switch to the OFF position. After turning off the GFCI, make sure the control panel display window is blank, to know the power is off. When the power is ready to turn back on, reset the GFCI by returning the switch to the ON position.

If there are any questions about the location or operation of the GFCI, ask your dealer to explain it to you. Do not use the spa unless you understand the operation of the GFCI.

1. Locate the  drive Control Panel (see photo at right). Below the control panel is the main equipment control compartment. Use a Phillips screwdriver to unscrew the panel. To remove the panel, pull it up, then pull it towards you to expose the equipment compartment.



2. Use the same process to remove the panels from the other sides of the spa (see photo at right) to expose the jet pumps. There may be pumps on one or two sides, depending on the model. Your dealer can tell you exactly where the pumps are on the spa.



3. Locate the hose bib (see picture to the left) that is included in the owner's manual packet. The packet is shipped inside the equipment compartment. This bib allows you to connect a hose to your spa to drain it.

4. Screw the hose bib onto the male drain fitting located below the skirt at the lower left corner of the spa.

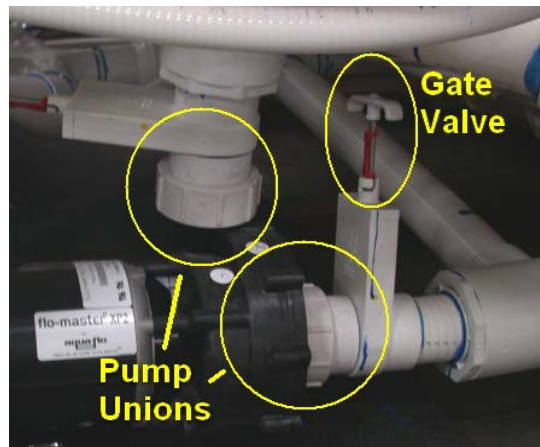
5. **Close the valve** on the side of the hose bib by turning the valve handle so it is perpendicular to the pipe; in the illustration at right, the valve is open.





## Dimension One Spas - Bay Collection - Owner's Manual

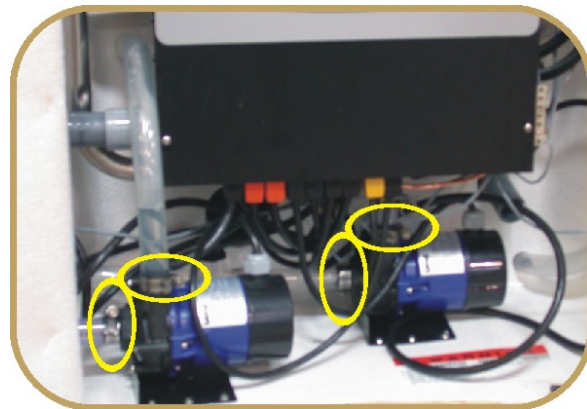
6. Examine the jet pumps on the sides of the spa. There are two pump unions and two gate valves per pump. Check to make sure the pump unions are hand tight to prevent leaks. Next, check the gate valves to make sure they are fully opened (handles extended) and that the red safety clips are snapped into place.



7. Remove the shipping bolts from the base of each pump and rotate the swivel lock, located at the rear of each pump, away from the pump.



8. Next, look at the two circulation pumps located at the bottom of the main equipment compartment. Check the hose clamp fitting where the plumbing attaches to the pumps and make sure they are tight.



9. Remove the two bleeder valves located near the filters on the top side of the spa. One is located near the skimmer filter (see photo), and the other across the spa near UltraPure™ filter. Removing the bleeders allows air to escape from the pumps while filling the spa.



10. Remove the cap from the UltraPure™ filter canister and the filter basket from the skimmer canister.



UltraPure™ Filter



Skimmer Filter

11. Remove the foam blocks securing each filter.



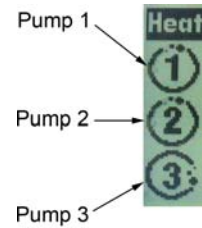
12. Next, remove the filter from the UltraPure™ canister and fill your hot tub by placing a hose into the empty UltraPure™ canister (for more details on removing the filter, see the Filter Cleaning section).

13. Fill the spa until the water level is about 6 inches below the top of the spa.

14. Once the spa is filled, replace the filters and turn on the GFCI circuit breaker. The display screen on the control panel will show the software version, followed by the software number. The screen will then show the Spa menu. Dashed lines will appear instead of the current temperature for the first 30 seconds.



15. On spas equipped with the **drive** Control Panel, push the **Jet Pump 1 Button** once to turn on Pump 1. Let the system run for 10 to 15 seconds to prime the pump, then press the button again to turn it off. Repeat this process with pump 2 (if equipped).



16. If the jets do not start, there is air trapped in the plumbing lines. To eliminate the trapped air, turn the pumps on and off several times to force the trapped air through the pumps. If the jets still do not start, and the bleeder valves have been open for some time, turn off the pumps and loosen the top pump unions (see illustration in step 6) slightly to let any trapped air escape. Re-tighten the pump unions and turn the pumps on again. Turn the pumps on and off several times until jets function properly.



Ozone bubbles will continue to rise from the skimmer compartment UltraPure™ bleeder valve as long as the valve remains open. Once the jets are working, be sure that the bleeder valve is closed tightly.

17. Once the jets are functioning properly, replace and close the bleeder valves. Push up or down to enter the set point menu and select the temperature you want the spa to heat or cool to. Press Accept save changes.



The Display Window will not allow the temperature to be set above 104° F (≅40°C). However, if the water temperature exceeds 104° F (≅40° C), the display will show the actual temperature. **Never get in water if the temperature exceeds 104° F (≅40° C).**



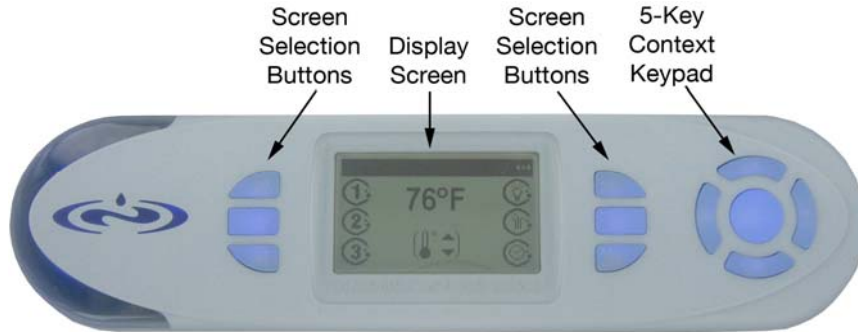
Depending upon the size of the hot tub and the size of the circuit breaker used, heating will occur at the rate of 3° F ( $\cong$ 2° C) to 10° F ( $\cong$ 5° C) per hour.

---

18. While the spa is heating, inspect the pump unions and plumbing fittings for leaks. When the inspection is finished, replace all the equipment panels.
19. After completing the above steps, see the Water Care Guide (provided separately) to ensure proper water chemistry.
20. Place the thermal cover on the spa to conserve energy and to keep it ready for use.

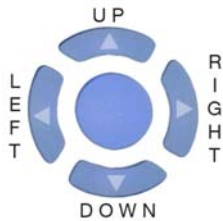
## Operation

### Using Your Control Panel: drive



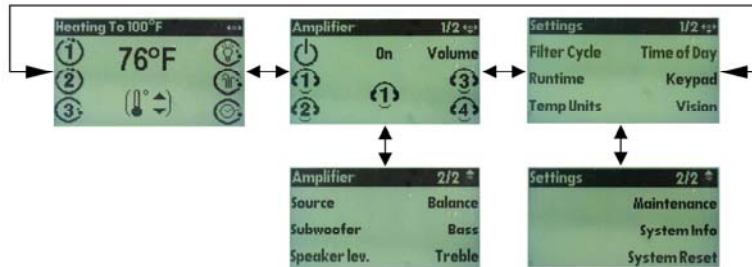
Push the screen selection button next to any item to turn on that item. When active, the ring around that item will spin. Push the button again to turn off the item. In a menu, push the button next to an item to bring up that item.


### Navigation

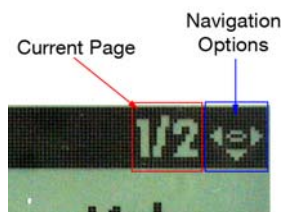


#### The 5-Key Context Keypad

The 5-Key Context Keypad buttons access and change spa settings quickly and easily. On each menu, the current navigation options are indicated in the upper right corner of the screen. The left and right arrows allow navigation through the menu structure.



There are three main menus on the  drive Control Panel: the Temperature menu, the Amplifier menu, and the Settings menu. The Temperature menu sets the spa temperature, turn jet pumps on and off, and operate the spa's light and waterfall. The Amplifier menu controls the settings for the spa's optional Sonic Immersion System; if there is no Sonic Immersion System installed, this menu will not display. The Settings menu adjusts other various aspects of the spa, including the time of day and display screen brightness.



The amplifier and settings menus both contain two pages of options; the current one is indicated in the top right of the display. On the 5-Key Context Keypad, the up and down buttons scroll between pages 1 and 2 in that particular menu. The center button goes back to page 1 of the current menu; if it is at page 1, it goes back to the Temperature menu. To adjust a setting (i.e. bass), the center key goes back to the menu to access that setting.

## Spa Menu



### The Hotkey

The Hotkey allows the spa to display different sets of information on the screen while still giving access to the main controls. Pushing the Hotkey changes the information displayed in the center of the Spa Menu in the following sequence:



#### *Temperature Screen*

The Temperature screen displays the current spa temperature and sets the desired spa temperature .



#### *Clock Screen*

The Clock screen displays the current time of day.



#### *Runtime Screen*

The Runtime screen shows how much time remains in the current jet cycle for each pump.



#### *Invert Screen*

The Invert screen inverts the display to face the inside or outside of the spa with the up and down arrows on the 5-Key Context Keypad .



#### *Volume Screen*

The Volume screen shows and adjusts the current volume level for the amplifier, using the up and down arrows on the 5-Key Context Keypad.



NOTE: This option will only display if the optional Wireless Sonic Immersion System is installed.

Push the Hotkey again to return to the default Temperature screen and restart the sequence.





### Adjusting Temperature

From the Temperature screen, push the up or down arrow on the 5-Key Context Keypad to enter the Setpoint screen. In this screen, use up and down to select the desired temperature. Press Accept to save the changes.



### Summer Mode

During hot weather, normal filtering can cause the spa to exceed the set temperature, which stops the circulation pump so the spa can cool. If the spa is not filtering enough during hot weather, it is possible to put it into Summer Mode to allow the pump to keep running.



To enter Summer Mode, adjust the set point to the lowest possible temperature, 59°F (15°C), and continue to hold the down arrow on the 5-Key Context Keypad. The temperature value will be replaced by "Summer."

### Light Operation



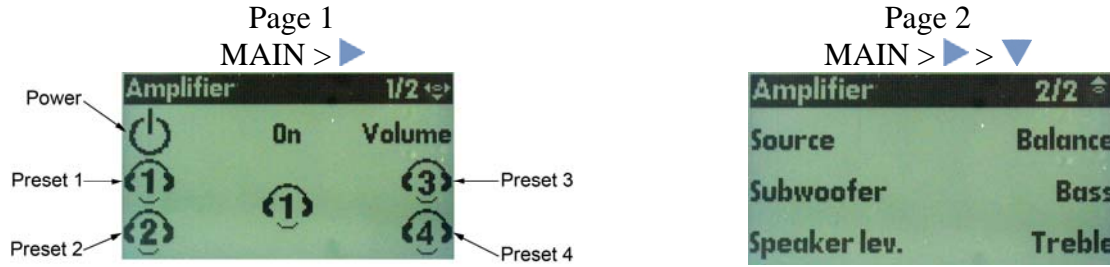
Press the light button once to enter Brilliant Mode. All lights are turned ON in the spa. To switch to Candle Mode press the light button once, then push it again just after "LIGHT OFF" begins to scroll off of the display. The lights in the air valves, tile line, and fountain are on; the spa light is off. To switch to Fountain Mode, press the light button once, and then push it again just after "LIGHT OFF" begins to scroll off of the display. The fountain light is on; all other spa lights are off. Push the light button once, then press it again just after "LIGHT OFF" begins to scroll off the screen to switch back into Brilliant Mode. To lock in your favorite light color, push and hold the light button until all lights in the spa blink off, then on. To unlock and return to the color wheel, hold down the light button until the lights blink off and on again.

### Standby Mode

To enter Standby mode, hold down the center key on the 5-Key Context Keypad while on the home screen for 5 seconds. This mode disables all automatic and manual functions so the pumps do not accidentally start while you are cleaning the filters. The spa stays in standby mode for 30 minutes. To reactivate the spa, press exit.



## Amplifier Menu



### Presets

The icons 1, 2, 3 and 4 correspond to presets for the Sonic Immersion System Amplifier. Presets allow the spa to save or recall settings of the Sonic Immersion Systems Amplifier, such as subwoofer level, speaker level, bass, treble, and source input.

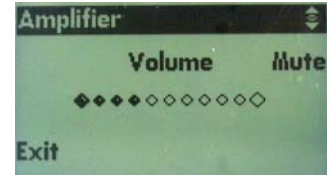


A short press of a preset button will load that preset.

A long press on a preset button will save the amplifier's current settings to that preset number.

### Volume

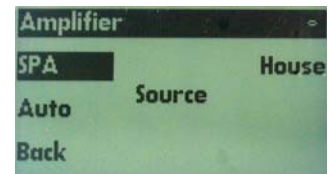
Use the up and down arrows on the 5-Key Context Keypad to select the desired volume. Press Accept to save the changes.



Press Mute to temporarily turn off the amplifier's speakers. Push Mute again to turn the speakers back on.

### Source

Push the Source button on page 2 of the Amplifier menu to bring up the Source selection screen. On this screen, select which audio input to play through the spa's Sonic Immersion System. To play audio through the stereo mini jack located on the spa, select SPA. To play audio from a home stereo system via a Wireless Sonic Immersion System, select House. If Auto is selected, the spa will play audio from a home stereo unless there is something plugged into the stereo mini jack.

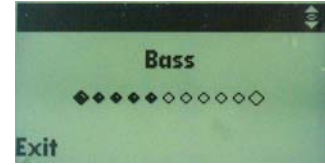


Select the audio source by pressing the button next to your selection. The selection will become highlighted. Press Back to exit the menu .

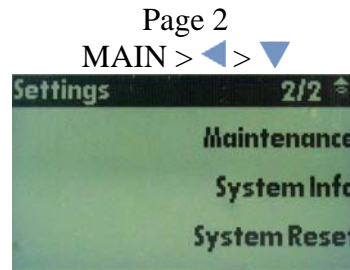
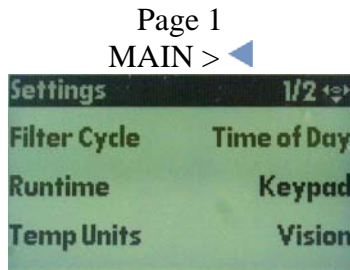


**Adjusting Stereo Settings**

On the Amplifier menu, press Subwoofer, Speaker Level, Balance, Bass or Treble to bring up that parameter's adjustment menu. In these menus, use the up and down arrows on the 5-Key Context Keypad to adjust that setting. Press Exit to leave the menu.

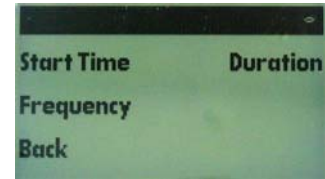


**Settings Menu**



**Filter Cycle Menu**

Pressing the filter cycle button brings up the filter cycle menu, which adjusts how long and how often the spa's filter cycle runs.



**Start Time**

To adjust the filter cycle's start time, use the left and right arrows on the 5-Key Context Keypad to select whether to modify hours or minutes. Use the up and down arrows on the 5-Key Context Keypad to select the start time. Press Accept to save the changes.



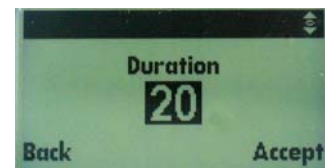
**Frequency**

Use the up and down arrows on the 5-Key Context Keypad to adjust the number of filter cycles per day. Press Accept to save the changes.



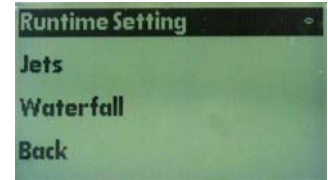
**Duration**

Use the up and down arrows on the 5-Key Context Keypad to adjust how many minutes each filter cycle will run last. Press Accept to save the changes.



**Runtime**

Pressing the Runtime button brings up the Runtime Setting menu. This menu adjusts how long the jets and waterfall run.



*Adjusting Runtime*

Push the Jets or Waterfall button to bring up that item's Runtime screen. On this screen, use the up and down arrows on the 5-Key Context Keypad to select how many minutes each cycle will last. Press Accept to save the changes.



**Temperature Units**

Push the Temp. Units button to bring up the Temperature Units screen. Use the up and down arrows on the 5-Key Context Keypad to select whether to display the temperature in Fahrenheit or Celsius. Press Accept to save the changes.



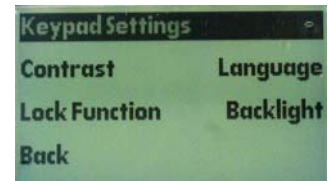
**Time of Day**

Push the Time of Day button to bring up the Time of day screen. To adjust the time of day, use the left and right arrows on the 5-Key Context Keypad to select whether to modify hours or minutes. Use the up and down arrows on the 5-Key Context Keypad to select the start time. Press Accept to save the changes.



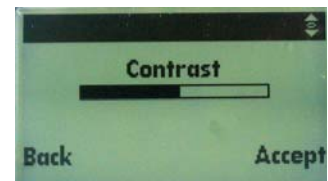
**Keypad**

Push the Keypad button to bring up the Keypad menu. The Keypad menu adjusts various aspects of the display screen, including which language the menus are displayed in. Push the button next to any item to bring up that item's adjustment screen.



*Contrast*

Use the up and down arrows on the 5-Key Context Keypad to adjust the contrast of the display screen. Press Accept to save the changes.



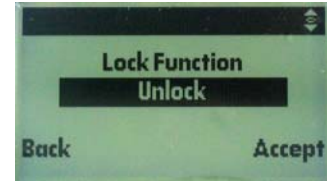
*Language*

Use the up and down arrows on the 5-Key Context Keypad to select the display language. The options are English, Spanish, French and German. Press Accept to save the changes.



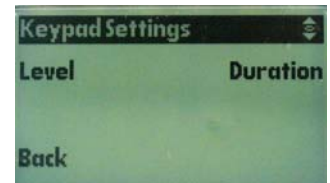
**Lock Function**

Use the up and down arrows on the 5-Key Context Keypad to control others' access to the spa's controls. Choose Unlock to allow access to all spa functions. Choose Partial Lock to lock programmable features but allow control of the jets, waterfall, light and stereo. Choose Full Panel Lock to lock all spa functions. Press Accept to save the changes. To unlock the spa from a Partial Lock, navigate back to the Lock Function menu and change the setting to Unlock. To unlock from a Full Panel Lock, hold down the center key on the 5-Key Context Keypad for 5 seconds.



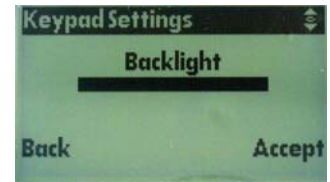
**Backlight**

Pushing the Backlight button from the Keypad screen brings up the Backlight menu. The Backlight menu adjusts the brightness of the backlight and how long the light will stay lit.



*Adjusting Backlight Settings*

Push the Level or Duration button to bring up that item's adjustment screen. Use the up and down arrows on the 5-Key Context Keypad to adjust backlight brightness and how long the light stays on. Press Accept to save the changes.



**Vision**

From the Settings menu, push the Vision button to bring up the Vision adjustment screen. Use the up and down arrows on the 5-Key Context Keypad to indicate if a Vision cartridge is installed. Press Accept to save the changes.



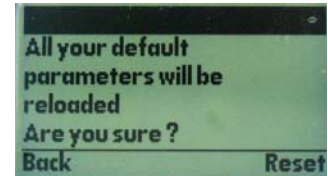
**Maintenance**

From page 2 of the Settings menu, push the Maintenance button to bring up the Maintenance Reminder adjustment screen. Use the up and down arrows on the 5-Key Context Keypad to indicate if you want the spa to display maintenance reminders. Press Accept to keep your changes. Press Back to go back to the previous menu and cancel your changes.



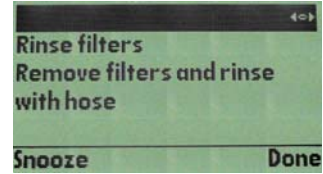
### System Reset

The system reset menu resets all parameters to the factory defaults. To proceed and reset all settings, press Reset. To go back and keep your settings, press Back.



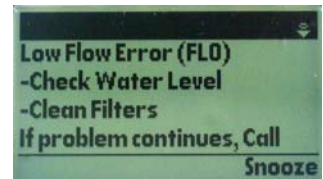
### Reminders

Occasionally, a maintenance reminder will appear on the screen. Some messages have an arrow below the last line; push Down on the 5-Key Context Keypad to read the remainder of the message. After the requested action is performed, push Done. To have the system remind you again later, push the Snooze button.



### Warnings

If there is a warning light on the display screen, the spa has detected a problem in the spa. **DO NOT ENTER THE WATER IF A WARNING MESSAGE IS DISPLAYED.** Perform the suggested actions and if the problem persists, contact your local dealer for service.



### Cleaning Your iDrive Control Panel

If the  iDrive Control Panel needs to be cleaned, using baking soda and water is recommended.

**Do NOT use caustic cleaners such as "409," ammonia based cleaners such as "Windex," citrus based or alcohol based cleaners.**

## Dynamic Massage Sequencer™

The Dynamic Massage Sequencers control the jets in the lounge areas to sequentially massage different muscle groups. When selecting a massage sequence, the human figure on the control panel displays corresponding lights, allowing a preview of that sequence before starting it.



### The Dynamic Massage Sequencer Control Panel

#### Light Button



The Light Button on the Dynamic Massage Sequencer works just like the one on the *d r i v e* Control Panel to turn the spa light on and off. See page 12 for light operation information.

#### Jets Button



The Jets button on the Dynamic Massage Sequencer turns the jet pump associated with the Sequencer on or off. The same spa jet pump jet may be turned on or off using the button on the *d r i v e* Control Panel.

#### Speed Button



The Speed button changes the amount of time between each step of the massage sequence (the default time is 5 seconds). Push the Speed button once to change it to 15 seconds, again to change it to 30 seconds. A third push will return it to 5 seconds. The status light below the Speed button will blink at the current speed.

#### Start/Stop Button



Press the Start/Stop button to start a massage sequence or pause one already underway. Pause does not stop the massage.

*For example:* If you want to massage any particular zone for a long time, press the Start/Stop button when the massage is working on that zone, and the system will remain there until the button is pushed again.

While paused, the lights on the human figure show the current massage pattern. To preview other patterns while in pause mode, press the Sequence button.



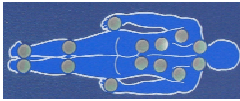
**Sequence Button**



The Sequence button chooses between the six different message sequences. The light glows to indicate the current sequence.

When all jets are operating at once (the default mode) none of the sequence lights will glow.

**Massage Zones**



The lights in the Massage Zone Indicator (Human Figure) show which zone is currently selected. When the desired sequence is found with the Sequence button, press the Start/Stop button to start your massage.

**Operating the Dynamic Message Sequencer**



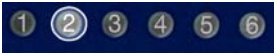
Push the Jets button to turn on the jet pump.



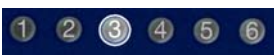
Select a sequence by pushing the Sequence button until the desired one is found (the lights in the Human Figure show the zones that will be active). Press the Start/Stop button to begin the massage. Use the Speed button to control how quickly the spa moves through the massage sequence.



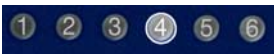
Sequence #1 steps through each individual zone one at a time, from zone A through F, then reverses the sequence.



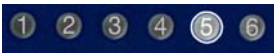
Sequence #2 activates all zones at once, then deactivates individual zones one at a time, from A through F. Then it reverses that sequence.



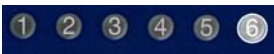
Sequence #3 activates alternate groups of zones. It activates Zones A, C, and E all at once, then switches to Zones B, D, and F.



Sequence #4 steps through each individual zone one at a time, from zone A through F, then it starts over in groups of two zones – activating zones A and B, then zones B and C, etc.



Sequence #5 starts with Zone A and adds new zones one at a time until all zones are active. Then it reverses the sequence by removing zones one at a time until all zones are inactive.



Sequence #6 activates random pairs of zones at one time, starting with adjacent zones, (A and B, then B and C, etc.), then opposite zones (A and F, then B and F, etc.), and finally the middle zones (B and E, then C and D, etc.).

## Features Unique to Certain Models

### Selector Valves, Flow Controls, Switches, and Jet Pillows

If the spa is equipped with any of the following features and controls, use them as described below to adjust the spa performance.

#### Jet Zone Selector

Rotate this knob to change the flow of water from one group of jets to another.



#### Fountain Flow Control

If the spa is equipped with certain types of optional fountains, turn this control knob to adjust the water flow from a trickle to a full stream.



Note: The valve will not shut the water feature off completely. See the Fountains section for more details.

#### NeckFlex Jet Pillow

The NeckFlex Jet Pillow has five adjustable height positions. Gently pull the bottom of the pillow forward and slide it up or down the guide rails. Adjust the water flow from the jets by rotating their nozzles clockwise or counterclockwise.



#### Underwater Switches

On certain hydrotherapy lounge seats change your jet flow. These buttons are located at the fingertips.



#### Skirt Lighting


The skirt lights will turn on and off automatically depending on the time of day. To stop the lights from turning on, there is a manual override switch located under the bottom left corner of the spa when facing the Upper Control Panel. When turned off, the skirt lighting will not turn on for any reason. Simply flip the switch back and forth to turn the lighting on and off.

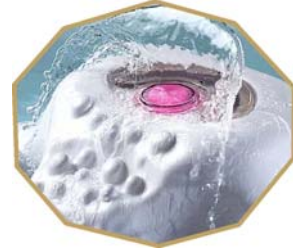




## Water Features

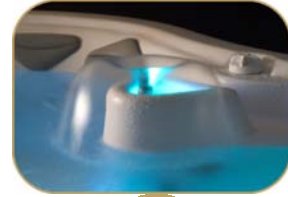
### Babbling Brook Feature

Depending on the model, the spa may have the babbling brook fountain shown at right. To adjust the flow of the fountain turn the flow control knob located near the spa's  drive Control Panel.




### Umbrella Feature

Depending on the model, the spa may have the umbrella fountain shown at right. The fountain contains two adjustable parts – the barrel and the spreader. Turn the spreader clockwise or counter-wise to change the shape of the fountain, or adjust the barrel to change its height. Remove the spreader head completely to create a “bubbler” effect.



Add an optional semi-circular spreader to change the fountain's shape to a ½ blossom. You can get this spreader from your dealer or through D1.com.

### Interchangeable Fountain Heads

Depending on the model, the spa may have a water feature with interchangeable fountain heads. To change the fountain head to a different style, twist the retainer cap, remove the inner acrylic fountainhead and replace with another. Make sure that the rubber “O” ring is properly in place. Adjust the fountain's flow by turning the flow control knob located near the spa's  drive Control Panel.



Additional fountain heads are available through your dealer or through D1.com.

## SoftTouch™ Lighting

### SoftTouch Lighting

See the Light Operation section on page 12 for more information.

### Pagodas

The light pagodas on the spa are interchangeable. Pull up on the pagoda to remove it from its slot and then insert another pagoda in its place.



## HydroSport Aquatic Fitness Gear (Aftermarket Accessory)

On certain models, the optional *HydroSport™* Aquatic Fitness Gear can convert the spa into a powerful upper-body exercise system.

The *HydroSport™* Rowing System and the *HydroSport™* Aquatic Fitness Bar install quickly onto the built-in OptiMount® fittings for a convenient workout any time.

Check with your dealer to see if your spa can accommodate *HydroSport™* Aquatic Fitness Gear. To order *HydroSport™* Aquatic Fitness Gear, contact your Dimension One Dealer or visit [www.D1.com](http://www.D1.com).

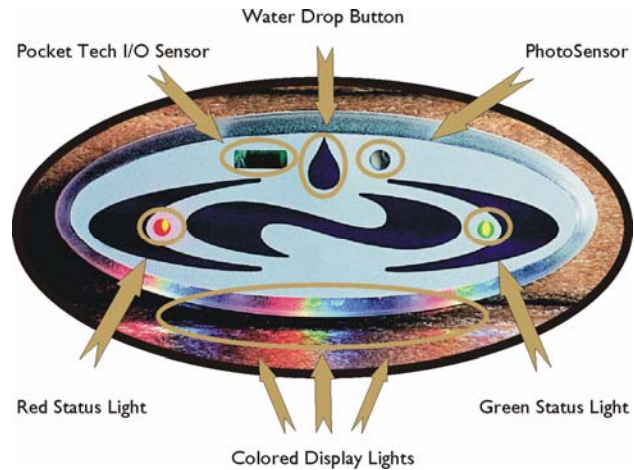


## iWatch Perimeter Lighting System

The **iWatch** control panel on the side of the spa skirt provides spa status information and colorful perimeter lighting. The iWatch functions can be controlled directly from this panel or by using the optional D1 Remote control.

The **iWatch** control panel includes:

- Green Status Light to indicate the spa is functioning normally (steady green), or requires scheduled maintenance (flashing green)
- Red Status Light to indicate the spa requires service
- Push-button control of perimeter lighting (which consists of 3 Red, 3 Green, and 3 Blue lights)
- Connection for up to three optional Auxiliary Modules to provide additional perimeter lighting
- Photo sensor to automatically turn the iWatch lights on at night and off during the day
- Palm pilot infrared interface port
- Receiver sensor for the IRMT-4 Remote Control device



The **iWatch** Master Control Module can support up to three Auxiliary Modules for additional skirt lighting on any or all sides of the spa.

The **iWatch** Master Control Module provides infrared support for optional Palm Pilot and Remote Control access. These items are available from your local Dimension One Spas dealer.

### Water Drop Button

The “Water Drop” Button controls the perimeter lighting. By pressing it repeatedly you step through various lighting sequences to find the one you want.

### Photo Sensor

The photo sensor detects the outside light and turns the lights on at night and off during daylight.

### Green Status Light

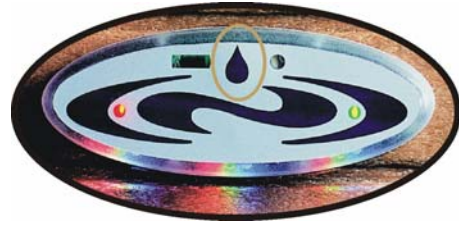
This light is always ON and indicates that the spa has power. A flashing green light means the spa requires scheduled maintenance. The Display Window on the **drive** Control Panel will tell you what maintenance is required. If the Green Status Light continues to flash after the scheduled maintenance has been completed, call your dealer.

### Red Status Light

The Red Status Light will be OFF when the spa is functioning normally. If this red light comes on, the spa requires service. Contact your local Dimension One Spas dealer.

## Using the iWatch Lighting

To control the iWatch perimeter lighting, press the **Water Drop Button** on the iWatch panel. Each press of the button switches to a different lighting effect, in the following sequence:



Press	Nighttime Lighting Effect
Once	Perimeter Lights are Red
Again	Perimeter Lights are Green
Again	Perimeter Lights are Red + Green
Again	Perimeter Lights are Blue
Again	Perimeter Lights are Blue + Red
Again	Perimeter Lights are Blue + Green
Again	Perimeter Lights are Blue + Red + Green
Again	Scan All Colors (Change every 10 seconds)
Again	Starts the color sequence over again

**iWatch** will automatically remember the selection and use it as the default lighting in the future.



When “Scan All Colors” effect is selected, the lights will cycle rapidly through all color sequences to confirm the choice. Then they will return to the normal 10-second cycle.



Feature

You can also change the iWatch lighting using the optional D1 Remote Control.



## Routine Equipment Maintenance

### Draining Your Spa

The spa is gravity-drained, without the need for a pump. To drain the spa, locate the hose bib, which was attached to the spa in the Initial Setup operation (described earlier), on the base near the lower left side of the equipment panel. Remove the cap (if any) from the hose bib. Screw a garden hose onto the hose bib, put the other end of the hose in a safe place for water run-off (do not drain onto lawn or plants), and then turn the valve on the side of the hose bib ninety degrees to release the flow of water. Do not forget to close the valve again before re-filling the spa.

For information about how often to drain and refill the spa, refer to the **Water Care Guide** that came with the spa.

### Filter Cleaning

**IMPORTANT:** To prevent debris from getting into the system during filter cleaning, shut off the power to the spa at the **GFCI circuit breaker** (see Initial Startup section of this manual for details). If the spa has the Scrolling Message Center or  drive Control Panel, put it in Standby Mode, which ensures that no pumps start up while cleaning the filters. With the Scrolling Message Center, press the Dimension One ICON (logo) Button, found on the right side of the Control Panel, for 5 seconds. With the  drive Control Panel, press and hold the center key on the 5-Key Context Keypad for 5 seconds. With either controller, exit Standby mode by holding down either the logo button or the center key for 5 seconds. The spa will leave Standby Mode automatically after 30 minutes.)



### Cleaning the Skimmer Filter



To clean the skimmer filter, remove the access lid that covers the entire filter area. Lift the center float of the skimmer assembly until it is fully extended. Hold the centerpiece of the assembly and turn it counterclockwise until the flats of the basket are aligned with the securing tabs. Then pull the basket assembly straight up to remove it.

Below the basket is the filter. Remove the filter by twisting it 1/4 turn counterclockwise to its stop and lift the filter out of its canister. Clean the filter with a high-pressure garden hose. Every other cleaning, soak the filter in filter-cleaning solution and rinse it thoroughly.

Reinstall the filter by reversing the removal process, then replace the skimmer basket assembly and the access cover. Then turn the power back on at the GFCI breaker or exit Standby Mode, if you used it, as described above. After cleaning the filter, run the pump for a few minutes at high speed before leaving the spa in its normal mode.



### Cleaning the UltraPure™ Filter Cartridge

To clean the UltraPure™ filter, first remove the access lid (see photo) by turning it counterclockwise. Remove and clean the filter in the same way as the skimmer filter.



## Cleaning the Filter Screens



The Filter Screen is a black plastic perforated cylinder located at the bottom of the canister that holds the filter. It normally requires no maintenance. However, if the spa frequently says to clean the filter, or if the spa is reporting “low water flow,” clean the screen in addition to the filter.

First, remove the filter(s) as described in the Filter Cleaning section above.



To prevent debris from getting into the pump, be sure to remove any floating debris **BEFORE** removing the Filter Screen.

Then locate the black plastic Filter Screen at the base of the filter canister (see photo at left).

Remove the filter screen by inserting the tip of a flat-blade screwdriver into the slot as shown, and gently apply outward pressure until the catch releases. Then lift the black screen to remove it from the filter canister. Outside the spa, rinse the screen with water using pressure from **inside** the screen.

## Cleaning the UltraPure Inner Filter Screen

The UltraPure filter (if the spa is equipped with it) contains a metal Inner Filter Screen inside the black plastic Filter Screen. (This inner screen is not present in the skimmer filter).



To clean the Inner Filter Screen, first remove the entire plastic Filter Screen as described above.



Then remove the Inner Filter Screen and clean both screens with water, using pressure from the **inside** of each screen.

Replace the Inner Filter Screen into the plastic Filter Screen by lining up the grooves (shown by the arrow in the photo) and pressing it snugly into position.

Then press the Filter Screen (with the Inner Filter Screen inside) back onto the base of the spa filter canister.

Finally, replace the filter into its canister and replace the lid.

Then turn the power back on or exit the “Standby” Mode, if it was used, as described above.



## Light Bulb Replacement

1. Turn the power off at the GFCI breaker and drain the water to below the level of the light.
2. Using the special tool provided in the owner's manual packet, unscrew the lens that covers the light housing.
3. Remove the old bulb and install the new bulb.
4. Use the special tool to replace the lens on the light housing.
5. Turn the light on and off to make sure it works before refilling the spa.



Do not attempt to remove the lens without draining the water to below the level of the light.



Do not attempt to remove the lens without the special tool. If it is lost, contact your Dimension One Spas Service dealer to have one sent.



Be sure the rubber O-ring behind the lens is undamaged and is properly positioned when replacing the lens. Contact your Dimension One Spas dealer if you need a replacement O-ring.

## Spa Surface Care

It is recommended that a “cheesecloth” rag, or other soft rag, is used to clean the entire shell surface with Water Line Cleaner or a similar product from your spa dealer. Or use ph/Alkalinity Increaser or a 50/50 solution of denatured alcohol and water. Be sure to thoroughly rinse the shell after cleaning. To restore the luster of the shell after cleaning, use Poli-Gloss or a similar product from your spa dealer.



Do not use “409” type cleaners or other caustic solutions as they may damage the shell surface and void the warranty. If you are using baking soda to clean the hot tub shell, be careful not to get it on the wood skirt. It may bleach the wood.



Do not use citrus-based cleaners on the shell surface.



**Colored Shells:** If the spa has a colored shell keep the spa covered even when it contains no water. Sunlight can damage the spa surface and cause it to peel or blister.



### Care for Envirotect™ Skirts and Vinyl Covers

The Dimension One Envirotect skirts are unaffected by most corrosive substances, and will not absorb moisture. To maintain the original skirt finish, clean with soap and water. No sealing or painting is required. To maintain a “nearly original” appearance on your vinyl cover, it is recommended that a protectant with a high SPF (sun protection factor) is applied, obtained from your spa dealer, at least once a month if exposed to direct sunlight.

### Care for Wood Spa Cabinets

When properly cared for, the wood cabinet of the hot tub will maintain its beauty for many years. Wood reacts to the elements by expanding and contracting. To protect the wood finish, re-stain it every 3-6 months with Redwood or Coastal Gray Stain, which seals the wood. Please note that the cabinet is not warranted against reaction to natural weather conditions. Check with your spa dealer for wood maintenance products.

### Care for TimberLite Cabinets

To maintain the original appearance of the TimberLite cabinet, clean periodically with any non-abrasive household cleaner. Should the TimberLite cabinet become stained, use the 3M Graffiti Remover System to remove the stain.

### Care for StoneLite Cabinets

Clean your StoneLite skirts with soap and lukewarm water, using a soft cloth to wipe the surface. Do not use liquid detergents or boiling water, as they will damage the skirt material. Do not use cloths containing grit or abrasive particles, such as household scouring compounds; these will scratch the skirt material. Blot the surface dry using a damp cloth or chamois. Wax the surfaces sparingly to protect your StoneLite skirts; D1 recommends using Simonize, Aero Wax or Glo-Coat. Apply the wax in a thin, even film with a soft, clean cloth. Polish lightly with a clean cotton cloth. After polishing, wipe gently with a damp cloth to ground any electrostatic charges which may attract dust. Light scratches may be rubbed out with Simonize wax and a soft cloth.

### Special Cold Weather Instructions

All Dimension One Spas are designed for year-round use. They are insulated for energy efficiency and to protect the plumbing and equipment when the system is operational. The system has a “Smart Winter” freeze protection mode to circulate water during freezing weather, assuming the system has electrical power and the proper water level. Therefore, keeping your system operational is your best defense against freeze damage.

However, if there freezing conditions present and shutting down the spa for the winter is unavoidable, or where conditions may get too cold for the spa’s “Smart Winter” mode to prevent freezing, the spa should be Winterized by a professional Dimension One dealer or authorized service representative. **Draining the spa will not prevent freeze damage, because small amounts of water in the plumbing can expand and damage the system.**



Draining or Winterizing the spa is specifically not covered by the warranty. This is why only a professional should be allowed to Winterize your spa if it becomes necessary.



The system is equipped with automatic freeze protection. However, a power outage can cause the equipment to freeze quickly. During freezing conditions, check the system frequently to ensure proper operation. Always check the system after any power failure to ensure that it is operational.

---

### **Springtime Startup of a Winterized System**

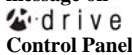
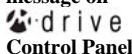
If the spa has been Winterized, Dimension One highly recommends that you contact an authorized dealer to restart it. The following is an outline of the procedures involved.

- Make sure o-rings for pumps are in place and undamaged.
- Make sure all the fittings that loosened are re-tightened.
- Replace all jet fittings, pump drain plugs, hose bib drains, and bleeder valves
- Fill the system with water in the normal way
- Turn the power back on.
- Run the jets on high speed for about 15 minutes.
- Drain the water.
- Put the filter(s) back in.
- Refill the system and treat chemically as one would after a normal water change

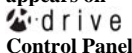
For more information about Winterizing the system, or restarting a Winterized system, please contact your local Authorized Dimension One Spas dealer.

## Troubleshooting Guide

### Heating System

Symptom	Problem	Corrective Action
Does not heat	1. Temperature setting is too low	1. Turn up the thermostat
	2. Dirty filter	2. Clean filter, including inner filter screen
	3. Flow switch malfunction	3. Call for service
Too hot	1. Temperature setting is too high	1. Turn down the thermostat
	2. High limit tripped	2. Call for service
Temperature sensor error message on  drive Control Panel	Possible temperature sensor failure	Call for service
Hot Tub Temperature erratic	Water level	Fill with water to approximately 6 inches below the top of the spa.
Overheat error message on  drive Control Panel	1. Too much filtration	1. Reduce the number of filter cycles and/or the filter cycle duration
	2. Temperature setting too high	2. Turn down the thermostat
	3. High limit or sensor problem	3. Call for service

### Electrical System

Symptom	Problem	Corrective Action
Will not turn on – in any mode	No power	Check circuit breaker and/or GFCI
Turns on by itself	Normal automatic daily power filtration, or anti-freeze cycle	No action required
Light is out	Burned out bulb	Replace bulb
Pump shuts down unexpectedly while in use	1. Automatic timer has shut pump off	1. Push JETS pad again to start another cycle
	2. Motor over-heated and automatic protective device has shut down pump(s)	2. If pump(s) will not restart when JETS pad is pushed, call for service  Make sure that the equipment panel vent area is not blocked. Vent blockage can cause serious damage to your equipment.
Warning message appears on  drive Control Panel	Possible sensor errors	Follow instructions on-screen
		If problem persists:
		Call for service
Interior spa lights always start in the default light sequence	Whenever the lights are turned off they always turn on in Color Fade Fast mode	Normal behavior. Because both lights are synchronized together, they always return to a “common starting point” after they have been turned off for more than five seconds. This ensures that they will remain synchronized.

**Dimension One Spas - Bay Collection - Owner's Manual**

**Water System**

<b>Symptom</b>	<b>Problem</b>	<b>Corrective Action</b>
<b>Pulsating jets</b>	Water level too low	Fill with water to approximately 6 inches below the top of the spa.
<b>No Jet Action, or action is poor</b>	1. Jets are turned off	1. Turn jets on by turning jet face clockwise
	2. Diverter Valve turned	2. Turn the Diverter Valve clockwise or counter clockwise
	3. Dirty Filter	3. Clean Filter, including inner filter screen
	4. Air lock	4. Loosen pump union to allow air to bleed
	5. Gate valve closed	5. Open gate valve
<b>The “Check Water Level....” message and /or 3 flashing lights appear on the display.</b>	Possible sensor errors	1. Check water level
		2. Clean filter, including inner filter screen
		3. If problem continues: a. Turn off power b. Restart the spa
		4. If problem persists: a. Call your dealer for service
<b>Fountain doesn't drain</b>	The bottom of the fountain has water that will not drain out.	The water level in the spa is too high. Remove enough water to return the water level to about 6 inches below the top of the spa, at a level where the fountain water can drain out.