



ET-7 CONTROL PANEL INSTRUCTIONS

START UP

When your hot tub is first activated, it will go into priming mode (after displaying some configuration information). The priming mode will last up to 4 minutes; then circulation will start, then heat icon will come on for 6 seconds, and then flicker for 1 minute. Then heater will come on to heat water to set temperature. It is recommended that priming mode be allowed to finish, preventing any pumps from operating dry. If you are positive all pumps are primed you can exit priming mode early by pressing or .

TEMPERATURE ADJUSTMENT

Temp range is: (80°F - 104°F/26.0°C – 40.0°C) The factory pre-set temperature is set at 100°F/37.5°C. The last measured temperature is constantly displayed on the LCD. See edit menu in Owner's Guide to select F° or C°. *Note: On non Hush Pump hot tubs the current water temperature will only be displayed if the 2 speed filter pump has been running for two minutes.*

WARM / COOL

Press the or button twice to display the set temperature. Each time either button is pressed again, the set temperature will increase or decrease depending on which button is pressed. After three seconds, the LCD will automatically display the last measured water temperature.

HEATING MODES

This button is used to switch between Standard, Economy, and Sleep modes. Press to enter mode programming, press to cycle through to desired mode (LCD flashes until confirmed), then press to confirm selection.

Standard Mode maintains the set temperature at all times. Note that the last measured hot tub temperature displayed is current only when the pump has been running for at least 2 minutes. The **STANDARD** icon will display until the mode is changed.

Economy Mode heats the hot tub to the set temperature only during filter cycles. The **ECONOMY** icon will display until mode is changed. Pressing while in Economy mode puts the hot tub in Standard-In-Economy mode, which operates the same as Standard

Mode, then reverts to Economy Mode automatically after 1 hour.

Use this mode to activate the heater if using the hot tub when not in filter cycle. During this time, a press of the button will revert to Economy Mode immediately

Sleep Mode heats the hot tub within 20°F (11°C) of the set temperature only during filter cycles. The **SLEEP** icon will display until mode is changed. Use this mode when going on holidays.

MESSAGE 1

Press button once to turn pump 1 on to low speed, press again for the pump's high speed, and once more to turn off the pump. Low speed turns off automatically after 2 hours and high speed turns off automatically after 15 minutes. Massage pump 1 comes on for a 1 minute purge at the start of each filter cycle.

MESSAGE 2

Press button once to turn pump 2 on to low speed, press again for the pump's high speed, and once more to turn off the pump. Low speed and high speed turn off automatically after 15 minutes. Massage pump 2 comes on for a 1 minute purge at the start of each filter cycle.

TURBO (optional)

Press the button to turn Turbo on and off. Turbo will automatically turn off after 15 minutes. Turbo comes on for a 10 second purge at the start of each filter cycle.

LIGHT

Press the button to turn the hot tub light on, press again to turn off. If an EverLite bulb is installed refer to a separate reference card to operate. Light will automatically turn off after 3 hours.

STANDBY MODE

Pressing or followed by will turn off all hot tub functions temporarily. **SBY** will appear on your display. This is helpful when changing a Microfilter cartridge. Press any button to exit standby mode. Note: If hot tub is in a heat cycle when standby is selected the 2 speed pump or Hush Pump will run for approximately 15 seconds.

TIME OF DAY AND FILTER CYCLES SETTING

On all systems, the 2 speed filter pump or Hush Pump and ozone generator will run during filtration. There are two filter cycles per day. The start/end times of each cycle are programmable. Programming filter times on Hush Pump equipped hot tubs are used to tell the system how many hours a day to turn the heater on when in Economy mode.

To Program:

1. Press then .
2. Use the and buttons to adjust the time of day in hours, press the again to adjust the time in minutes. Use the and buttons to adjust the minutes. Press to enter new time.
3. You will see **PROGRAM, FILTER 1 (F1), START TIME** appears on the display. Press or to choose the filter start time hour. Enter the hour by pressing .
4. Press or to choose the filter start time minutes. Each press will change the start time by 5 minutes. Enter the minutes by pressing .
5. Press to see the **PROGRAM, FILTER 1 (F1), END TIME**. Adjust the time as done above.
6. Press to see the **PROGRAM, FILTER 2 (F2), START TIME**. Proceed as above.
7. Press to see **PROGRAM, FILTER 2 (F2), END TIME**. Adjust the time as done above.
8. The time that now appears allows you to turn your hot tub light on automatically. Adjust time as done above.
9. Program the time you want your light to turn off.
10. Press will enter the new filter cycle times into the system and display the current water temperature.

PANEL INVERSION

Press the or button, followed by the or button to change the numbers in the display to read upside down. Press the same sequence to set back.

LOCKING THE PANEL

Press 1 then within 3 seconds. When locked, the **PL** indicator light will light up. All buttons are frozen except the button. To unlock the panel, press 1 then .

LOCKING THE SET TEMPERATURE

Press or then 1 and within 3 seconds to activate the lock. The **TL** indicator light will light up when temperature is locked. To unlock the set temperature, press or then 1 and .

PERIODIC REMINDER MESSAGES

(press the button to reset a displayed reminder message)

- rPH:** Test and adjust pH chemical levels as per Beachcomber instructions. Reminder is every 7 days.
- rCL:** Remove, clean, and reinstall Microfilter cartridge as per Beachcomber instructions. Reminder is every 30 days.
- rt9:** Test & reset GFCI as per Beachcomber instructions. Reminder is every 30 days.
- rdr:** Drain and refill hot tub as per Beachcomber instructions. Reminder is every 90 days.
- rCO:** Clean and condition Heatshield as per Beachcomber instructions. Reminder is every 180 days.
- rCH:** Install new Microfilter cartridge. Reminder is every 365 days.

To suppress reminders, refer to the edit menu section in the Owner's Guide.

DIAGNOSTIC DISPLAY MESSAGES

OHH or **OHS:** Overheat-DO NOT ENTER HOT TUB

ICE: Potential Freeze

SNA: Hot tub is shut down

SNB: Hot tub is shut down

SNS: Sensor out of balance

HFL: Could indicate flow problem

LF: Persistent low flow problems

DR: Inadequate water detected

DRY: Inadequate water detected

PR: Hot tub in priming mode

--: Temperature unknown

---: Temperature not current or in Economy or Sleep mode.

PLEASE REFER TO TROUBLE SHOOTING GUIDE ON PAGE 23 FOR A COMPLETE EXPLANATION OF DIAGNOSTIC MESSAGES.

WARNING SHOCK HAZARD! NO USER SERVICEABLE PARTS.

DO NOT ATTEMPT SERVICE OF THIS CONTROL. CONTACT YOUR DEALERSHIP OR SERVICE PROVIDER FOR ASSISTANCE. FOLLOW ALL OWNER'S GUIDE POWER CONNECTION INSTRUCTIONS. INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN AND ALL GROUNDING CONNECTIONS MUST BE PROPERLY INSTALLED.