

# TSPA-MP SPA PACK



The **Quick Reference Card** provides a quick overview of your spa's main functions and the operations accessible with your digital control pad.

## Starting Pump 1:



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

▶ The "Pump 1" icon lights up when Pump 1 is on at high speed. It flashes when pump is on at low speed.

## Starting Pump 2:



Press **Pump 2** key to turn Pump 2 on at low speed. Press a second time to turn pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.

▶ The "Pump 2" icon lights up when Pump 2 is on at high speed. It flashes when pump is on at low speed.

## Turning the light on:



Press **Light** key to turn light on at high intensity. Pressing a second and a third time reduces light intensity. A fourth time turns light off. A built-in timer automatically turns light off after 2 hours, unless light has been manually deactivated first.

**Fiber Box Option:** If your spa is equipped with an optional fiber box, press **Light** key once to turn fiber box (motor & light) on. Press a second time to turn fiber box motor off and leave light on. A third time turns both fiber box motor & light off. A built-in timer automatically turns fiber box off after 2 hours, unless fiber box has been manually deactivated first.

## Setting water temperature:



Use **Warm** or **Cool** arrow key to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

ℹ The "Set Point" icon indicates the desired temperature, NOT the current water temperature!

Water temperature can be adjusted by 1-degree increments from 59 to 104 °F (15 to 40 °C).

## Economy mode:



Press **Econo.** key to override the Economy mode programming (see overleaf). The override will last until midnight.

▶ The "Economy Mode" icon lights up when the system is in Economy mode.

## Quiet mode:



Press **Quiet** key to turn down pumps and blower. Simply press key to resume normal operations. The system will automatically return to Normal mode after 1 hour, unless it has been reactivated.

▶ The "Quiet Mode" icon lights up when the system is in Quiet mode.

## Temperature display:

The display toggles every 5 seconds alternately showing the hourly time and the current water temperature.

## Automatic water heater start:

When water temperature is 1 °F (0.5 °C) lower than the Set Point, the heater will automatically turn on until water temperature reaches Set Point plus 1 °F (0.5 °C).

ℹ The "Heater" icon lights up when the heater is on. It flashes when there is a request for more heat but the heater has not yet started.

## TROUBLESHOOTING



Pumps have started up for one minute on several occasions and "Filter Cycle" icon is flashing.

Not a bug but a feature!

Our **Smart Winter Mode** protects your system from the cold by turning pumps on for one minute several times a day to prevent water from freezing in pipes.



A service icon is displayed.

A problem has been detected.

Do not enter the water! Check and open water valves. Clean filters if necessary. Check water level. Add water if needed.

Shut power off and power your spa up again to reset the system.

Call your dealer or service supplier if problem persists.



Water temperature is flashing.

Water temperature in the spa has reached 112 °F (44 °C).

Do not enter the water! Allow the water to cool down. The system will reset itself when water reaches 109 °F (43 °C).

Call your dealer or service supplier if problem persists.



Filter cycle stops and "Filter Cycle" icon is flashing.

Not a bug but a feature!

To prevent excessive water temperature caused by too long filter cycles, the system will cancel a filter cycle after 3 hours if water temperature exceeds Set Point by more than 2 °F (1 °C).

40-minute filter cycle time-out.

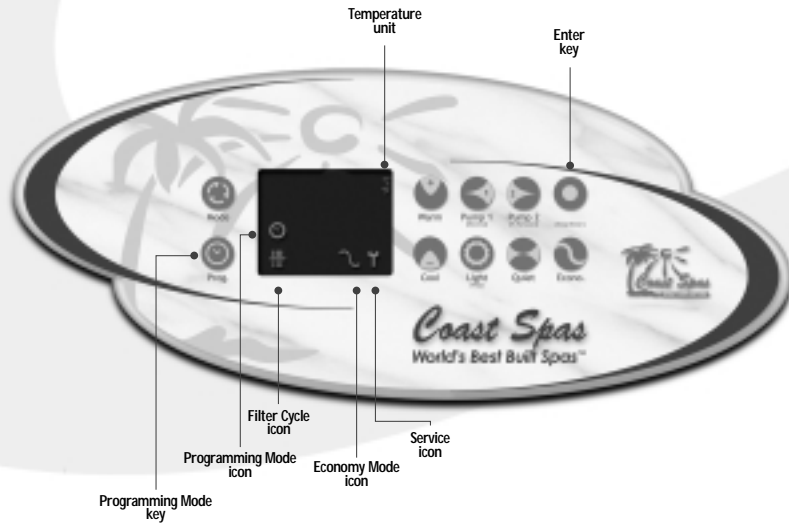
If you turn a pump, blower or light on during a filter cycle, the cycle will be interrupted and will only resume 40 minutes after you (or the system) have turned the last active output off. The "Filter Cycle" icon will flash.

The display is flashing.

A power failure has occurred. Press any key to reset the system, then reprogram all desired parameters.

Quick Reference Card

## PROGRAMMING INSTRUCTIONS



### Service message

Every 8,000 hours of use, the spa will display a "SER" message that will indicate that it is time for your spa check-up. To reset the message, press **Light** key for 5 seconds.

### Time of day

#### Setting the time:

- CL** 1- Enter Programming mode by holding **Prog.** key pressed down for 2 seconds. The "CL" message is displayed.
- 2:20 pm** 2- Press **Enter** key to display the current setting.
- 4:30 pm** 3- Use **Warm** or **Cool** arrow key to change setting.

### Filter cycle start time & duration

The system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, Pump 2 and blower run for one minute then Pump 1 (or circulation pump if installed) runs at low speed for the programmed number of hours. "Filter Cycle" icon is on during a filter cycle.

To program a filter cycle, you must enter two parameters: the start time of the cycle and its duration. If no filtering is required, the duration must be set to "OFF". If continuous filtering is required, the duration must then be set to "12:00".

#### Setting filter cycle start time:

- Flon** 1- Press **Prog.** key a second time.
- 2- The display will show "Flon", with "xx" representing the starting hour.
- 10:15** 3- Press **Enter** key to display the current setting.
- 11:30** 4- Use **Warm** or **Cool** arrow key to change setting.

#### Setting filter cycle duration:

- Fldu** 1- Press **Prog.** key a third time.
- 2- The display will show "Fldu", with "xx" representing the duration in hours.
- 1:00** 3- Press **Enter** key to display the current setting.
- 2:00** 4- Use **Warm** or **Cool** arrow key to change setting.

### Economy mode start time & duration

The Economy mode allows you to lower the temperature Set Point of the spa by 20°F (11°C) during a certain period of the day. When in Economy mode, the "Economy Mode" icon is displayed.

To program the Economy mode, you must enter two parameters: the start time and the duration. If the Economy mode is not required, the duration must be set to "OFF".

You can manually override the current Economy status (on or off) for the rest of the day by pressing **Econo.** key.

#### Setting Economy mode start time:

- ECon** 1- Press **Prog.** key a fourth time.
- 2- The display will show "ECon", with "xx" representing the starting hour.
- 10:00 pm** 3- Press **Enter** key to display the current setting.
- 11:00 pm** 4- Use **Warm** or **Cool** arrow key to change setting.

#### Setting Economy mode duration:

- ECdu** 1- Press **Prog.** key a fifth time.
- 2- The display will show "ECdu", with "xx" representing the duration in hours.
- 4:00** 3- Press **Enter** key to display the current setting.
- 8:00** 4- Use **Warm** or **Cool** arrow key to change setting.

### Temperature unit

Water temperature can be displayed in °F or °C.

#### Selecting the temperature display unit:

- Tu** 1- Press **Prog.** key a sixth time.
- 2- The display will show "Tu", with "x" for either °F or °C.
- F** 3- Press **Enter** key to display the current setting.
- C** 4- Use **Warm** or **Cool** arrow key to change setting.

### Keypad lockout

This function allows you to prevent unauthorized parameter setting of the unit. The basic functions of the spa will remain accessible (pump and light outputs) but it will be impossible to change the temperature Set Point, to override the Economy mode or to enter the Programming mode.

When the keypad is locked, the "Lock" icon will be displayed.

#### Locking the keypad:

- Loc** 1- Press **Prog.** key a seventh time.
- 2- The display will show "Loc" or "Uloc".
- OFF** 3- Press **Enter** key to display the current setting.
- ON** 4- Use **Warm** or **Cool** arrow key to change setting.

To unlock the keypad, press and hold **Pump 1** key for 5 seconds.

### Inverting the display

A simple key press sequence inverts the display to make it readable from inside or outside the spa. To invert the display:

- 1- Press and hold **Prog.** key for 2 seconds. The "CL" message will be displayed.
- 2- Press **Light** key. The "CL" message will disappear and the display will be inverted. The "°F" or "°C" icon will not be displayed.

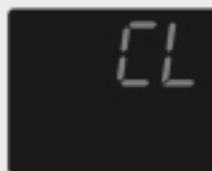
### Changing modes

The system can be configured in 3 different modes: SPA, VCR and CD. Simply press **Mode** key to change modes. The appropriate icon will light up to indicate which mode you are in. If keypad remains untouched for more than 5 minutes, the system will automatically revert back to SPA mode.

*In SPA mode:* **Pump 1** key..... **Rewind** key  
**Pump 2** key..... **Forward** key  
**Light** key..... **Play** key  
**Stop/Enter** key..... **Stop** key

*In Radio mode:*  
**Pump 1** key..... **Seek -** key  
**Pump 2** key..... **Seek +** key  
**Light** key..... **Mode** key (FM1, FM2 & AM)  
**Stop/Enter** key..... **Sources** key (On or toggles between CD and Radio mode)

### Summary of control panel parameters



**CL** Time of day  
**Flon** Filter cycle start time  
**Fldu** Filter cycle duration  
**ECon** Economy mode start time  
**ECdu** Economy mode duration  
**Tu** Temperature unit (°F or °C)  
**Loc** Keypad lockout

