

# SPABUILDERS

• MC-MP-SBD •



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 1 to high speed. A third time turns Pump 1 off. A built-in timer automatically turns pump off after a predetermined period of time, unless it has been manually deactivated.

The "Pump 1" indicator lights up when Pump 1 is on at high speed. It flashes when Pump 1 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 2 to high speed (depending on system configuration). A third time turns Pump 2 off. A built-in timer automatically turns pump off after a predetermined period of time, unless it has been manually deactivated.

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

## Setting water temperature:



Press **Up** or **Down** arrow key to increase or decrease the desired temperature. The selected temperature setting will be displayed for 5 seconds to confirm your new selection.

The "Set Point" symbol displays the desired temperature, NOT the current water temperature!

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

## Starting the blower:



Press **Blower** key to turn blower on at high speed. Press a second time to turn blower to low speed. A third time turns blower off. A built-in timer automatically turns blower off after a predetermined period of time, unless manually deactivated first.

The "Blower" indicator lights up when blower is on at high speed. It flashes when blower is on at low speed.

## Turning the light on:



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

The "Light" indicator is displayed when light is on at high intensity. It flashes when light is on at low intensity.

If your spa is equipped with an optional fiber box, press **Light** key once to turn fiber box on (motor and light). Press a second time to turn fiber box motor off and leave light on. Press a third time to turn both fiber box motor and light off. When fiber box light is on, the "Light" indicator is displayed. When fiber box light and motor are on, the "Light" indicator is flashing. A built-in timer turns fiber box off after 2 hours, unless manually deactivated first.

## Standby mode:



Press **On/Off** key to shut the system down (i.e., to set it to Standby mode) for 30 minutes. The "OFF" message is displayed. All keys are then disabled, unless you press **On/Off** key again to reactivate the system before the expiration of the 30-minute delay.

## Automatic water heater start:

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

The "Heater" indicator lights up when the heater is on.

## Inverted display:

To invert the display, simply press **Filter** key for 5 seconds. If a power failure occurs, the display always returns to non-inverted mode.

## Temperature display unit:

Water temperature can be displayed in °F or °C. Simply press and hold **Light** key for 5 seconds to toggle between °F and °C. If a power failure occurs, the system returns to default mode.

Quick Reference Card

## PAD LOCKOUT

This function allows you to prevent unauthorized parameter setting of the unit. This feature is especially helpful when young children have access to the keypad.

There are two modes you can choose from: Full lock or Partial lock. Full lock means that all keypad functions are locked. Partial lock means that the basic functions of the spa will remain accessible (pumps, blower and light). When control pad is locked, the "Lock" icon will be displayed.

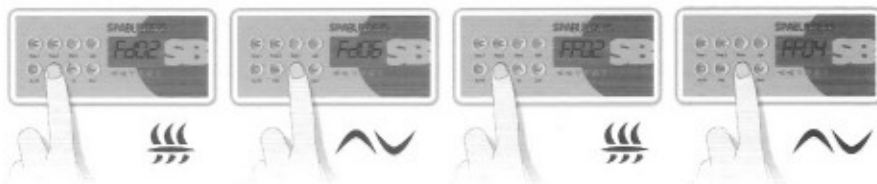
**Locking your digital control pad:** Press and hold **Pump 1** key for 5 sec. The display will show **LoCP**, with "P" representing Partial lock. Release the key and the keypad will be in Partial lock mode. Keep key pressed down for 5 more seconds if you want to be in Full lock mode. The "LoCP" message will then be displayed.

When control pad is locked, all automatic functions of the system run as usual. If a key is pressed down, a "LoCP" or "LoCF" message will be displayed for 1 sec. To unlock the keypad, simply press and hold **Pump 1** key again for 5 sec.

## PROGRAMMING FILTER CYCLES

The system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, Pump 2 and blower run at high speed for one minute then Pump 1 runs at low speed for a programmed number of hours and ozonator is activated.

To set the filter cycle duration and frequency:




Press **Filter** key. The display will show **F00x**, with "xx" representing the currently set filter cycle duration in hours.

Use **Up** or **Down** arrow key to change setting. 0 = no filtration 12 = continuous filtration

When the desired setting is displayed, press **Filter** again. The display will show **FF0x**, with "xx" representing the filter cycle frequency per day.

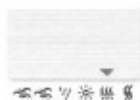
Use **Up** or **Down** arrow key to change setting (from 1 to 4, depending on selected duration). When the desired setting is displayed, press **Filter** to confirm. The "Filter Cycle" indicator lights up when the filter cycle is on.

 An irregularly flashing "Filter Cycle" indicator means that the system has stopped filtering after 3 hours because water temperature exceeds Set Point by more than 2°F (1°C). If the temperature cools down before the scheduled end of the cycle, filtering will resume for the remainder of the programmed cycle duration.

N.B.: After a power failure, the first filter cycle will start 12 hours after power has been restored.

**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.

## TROUBLESHOOTING



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

Not a bug but a feature!

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



3 flashing dots are displayed.

A problem has been detected.

Do not enter the water! Check and open water valves. Clean filter 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 water to cool down. The system will reset itself when water temperature reaches 109°F (43°C).

Call your dealer or service supplier if problem persists.

The display is flashing.

A power failure has occurred. Press any key to reset the system.

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