MC-MP SPA PACK
• Gecko Alliance •
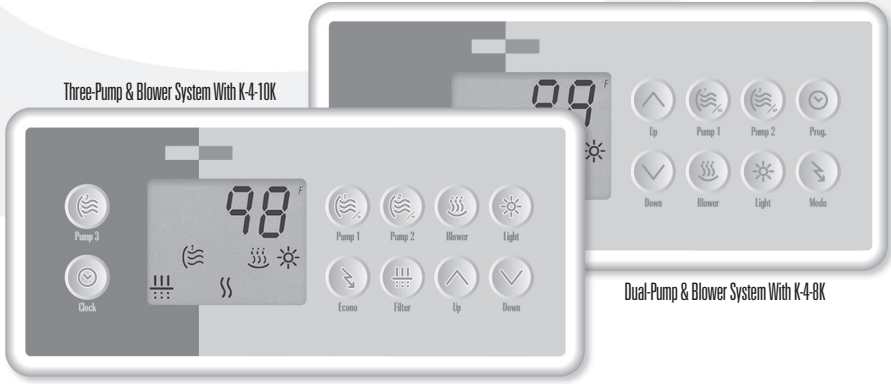
Three-Pump & Blower System With K-4-10K

Dual-Pump & Blower System With K-4-8K

*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** to turn pump on at low speed (for dual-speed pump). Pressing a second time turns pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after a predetermined period of time, unless manually deactivated first.

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

Starting Pump 2:

Press **Pump 2** to turn pump on at low speed (for dual-speed pump). Pressing a second time turns pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after a predetermined period of time, unless manually deactivated first.

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

Starting Pump 3 (K-4-10K):

Press **Pump 3** to turn pump on. Press a second time to turn pump off. A built-in timer automatically turns pump off after a predetermined period of time, unless it has been manually deactivated.

The "Pump 2" icon lights up when pump is on.

Turning the light on:

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

The "Light" icon lights up when light is on at high intensity. It flashes when light is on at medium or low intensity.

Fiber Box Option: If your spa is equipped with an optional fiber box, press **Light** key 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 motor and light off. The "Light" icon is displayed when fiber box light is on. It flashes when motor and light are on at the same time. A built-in timer automatically turns fiber box off after 2 hours, unless manually deactivated first.

Starting the blower:

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

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

Real-time clock (K-4-10K):

Use **Clock** to set real-time clock. The display toggles every 5 seconds alternately showing the hourly time and the current water temperature.

Setting water temperature:

Use **Up** or **Down** arrow key to increase or decrease water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

The "Set Point" symbol indicates 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).
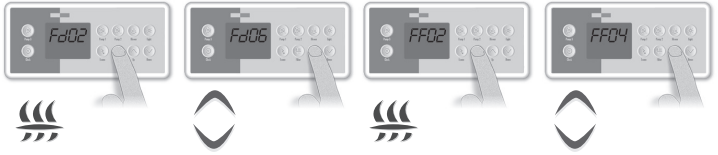
Automatic water heater start:

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).

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.

Programming filter cycles (K-4-10K)

The system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, Pumps 2 & 3 and blower run at high speed for one minute, then Pump 1 runs at low speed for a programmed number of hours and the ozonator is activated.

To set filter cycle duration and frequency:

Press **Filter** key. The display will show **Fdxx**, 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 **FFxx**, 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" icon lights up when a filter cycle is on.

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 spa from the cold by automatically turning pumps on for one minute several times a day to prevent water from freezing in pipes.

The display is flashing.

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

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 automatically when water temperature reaches 109°F (43°C).

Call your dealer or service supplier if problem persists.

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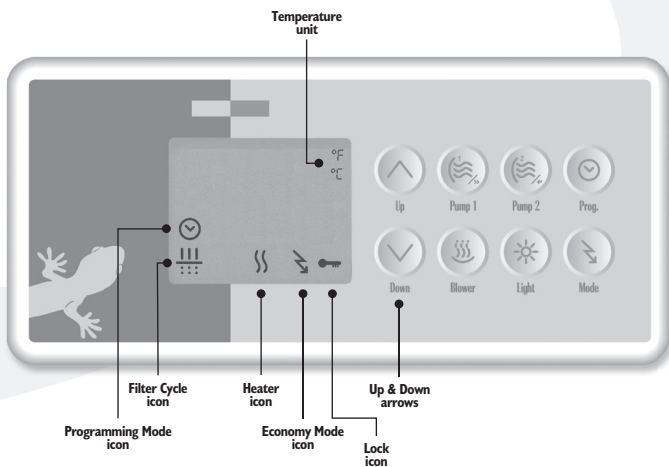
Shut power off and power your spa up again to reset the system.

Call your dealer or service supplier if problem persists.

Quick Reference Card

6 Step Programming Sequence

Temperature unit

Step 1	Time of day
Step 2	Filter cycle start time
Step 3	Filter cycle duration
Step 4	Temperature unit
Step 5	Keypad lockout
Step 6	Storing settings in memory & returning to Normal mode

Filter Cycle icon

Programming Mode icon

Heater icon

Economy Mode icon

Up & Down arrows

Lock icon

Step 1- Time of day (K-4-8K for Steps 1 to 6)

Setting the time:

1- Enter Programming mode by holding **Prog.** key pressed down for 2 seconds.

10:25 am   2- The display will show the current setting.

11:43 pm   3- Use **Up** and **Down** arrows to change setting.

Steps 2 & 3- Filter cycle start time & duration

The system automatically performs two filter cycles per day, at 12-hour intervals. During filter cycle, Pump 2 and blower run for one minute. Pump 1 will then run at low speed for a pro-grammed number of hours. The "Filter Cycle" icon lights up when a filter cycle is on.

To program a filter cycle, you must enter: 1) the time you want the cycle to start and 2) the duration of the cycle. If no filtering is required, the duration should be set to "0". For continuous filtering, the filter cycle duration should be set to "12:00".

Setting filter cycle start time:

1- Press **Prog.** key a second time.

FS01   2- The display will show **FSxx**, with "xx" representing the starting hour.

FS12   3- Use **Up** and **Down** arrows to change setting.

Setting filter cycle duration:

1- Press **Prog.** key a third time.

Fd00   2- The display will show **Fdxx**, with "xx" representing the duration in hours.

Fd12   3- Use **Up** and **Down** arrows to change setting.

Step 4- Temperature unit

Water temperature can be displayed in either Fahrenheit (°F) or Celsius (°C).

To display the temperature unit:

1- Press **Prog.** key a fourth time.

TU C   2- The display will show **TU X**, with "X" for either °F or °C.

TU F   3- Use **Up** and **Down** arrows to change setting.

Step 5- Keypad lockout

To lock or unlock keypad:

1- Press **Prog.** key a fifth time.

ULoc   2- The display will show "ULoc".

Loc   3- Use **Up** and **Down** arrows to change setting.

Step 6- Storing settings in memory

Press **Prog.** key a sixth time to store settings in the system's non-volatile memory and to return to normal mode.

Temperature unit (K-4-10K & 8K)

Press and hold **Light** key for 5 seconds to toggle between °F and °C.

Purge cycles (K-4-10K)

During a purge cycle, pumps and blower run for two minutes and "Filter Cycle" icon lights up.

Setting purge cycles:

1- Press **Filter** key.

P 24   2- The display will show **P xx**, with "xx" representing the currently set number of daily purge cycles.

P 20   3- Use **Up** and **Down** arrows to change setting.

4- Press **Filter** key to store settings.

Inverted display (K-4-10K)

Press and hold **Filter** key for 5 seconds to invert the display. If a power-up occurs, the display always returns to default mode.

Digital control pad lockout (K-4-10K & 8K)

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), but it will be impossible to change the temperature Set Point, to override the Economy mode or to enter the Programming mode.

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

Locking your digital control pad:

1- Press and hold **Pump 1** key for 5 seconds.

LocP   2- The display will show **LocP**, with "P" representing *Partial* lock.

LocF   3- Release key and 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 "LocF" 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.

Economy mode (K-4-10K & 8K)

Press **Econo** key (or **Mode** key for K-4-8K keypad) to switch from Normal mode to Economy mode. To save energy, the Economy mode Set Point is 20°F (11°C) below the Normal mode Set Point. The display toggles between the "Econ" message and the current temperature.

The "Economy Mode" icon lights up when Economy mode is on.

Summary of control panel parameters

FSxx	Filter cycle start time
Fdxx	Filter cycle duration
P xx	Purge cycles
Tu X	Temperature unit
LocX	Control pad lockout

F510

Smart Winter Mode