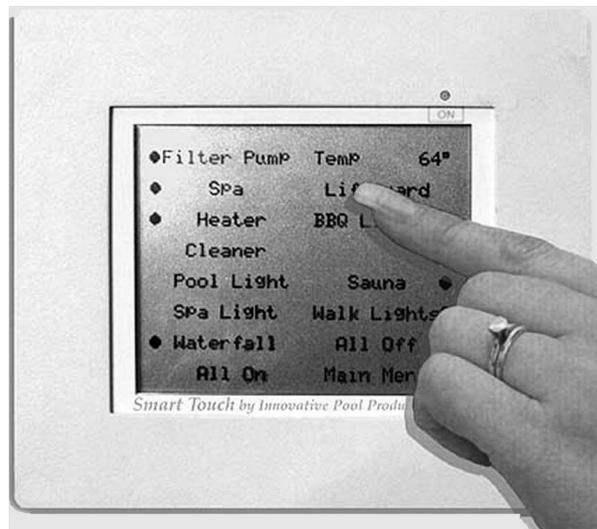


# Smart Touch Owners Manual

By INNOVATIVE POOL PRODUCTS LLC



For more information look us up on the web at  
<http://www.innovativepools.com>

# Safety Instructions

1. Read and Follow All Instructions

2. DANGER - to reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.

3. Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6 degrees F. The symptoms include dizziness, fainting, drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include:

- 1) unawareness of impending danger;
- 2) failure to perceive heat;
- 3) failure to recognize the need to exit the spa;
- 4) physical inability to exit the spa;
- 5) fetal damage in pregnant women;
- 6) unconsciousness resulting in a danger of drowning.

WARNING - The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

4. Keep Power Center door closed.

5. PLEASE SAVE THESE INSTRUCTIONS.

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# SMART TOUCH SYSTEM OVERVIEW

The Smart Touch system consists of the following:

- 1.) The Power Center can be either a Sub Panel Power Center or a Standard Power Center (without Sub Panel.)
  - 2.) Water Temperature Sensor.
  - 3.) Two Valve Actuators
  - 4.) An indoor controller that is either.
    - a.) Standard X-10 Controller used with the LE and LS models.
    - b.) Smart Touch II LCD Touch Screen. ( The Touch Screen can be either hard wired to the PowerCenter, or can use our Power Line Carrier option and simply plug the controller in to a 120 volt receptacle.)
- Regardless of the controller used the Power Center operates the same on all models. The Power Center is available in a two auxiliary version (LE) and a six auxiliary version (LS)

## Standard Power Line Carrier (PLC) or X-10 Controls

The Smart Touch System can be controlled by standard X-10 Commands. If you are using a Smart Touch II (Touch Screen) or a Smart Touch I (LCD screen controller) you may wish to shut off the reception of X-10 signals. See Standard X-10 Control in this manual. The House Code of the Smart Touch controller is set by your installer. This is done at the DIP switches in the Power Center.

The Standard X-10 Controls will operate the following functions.

<b>Smart Touch LE</b>			<b>Smart Touch LS</b>
X-10			
Unit 1	Open	Normal use is for Light Dimming Module	Open
Unit 2	Open	Normal use is for Light Dimming Module	Open
Unit 3	Spa		Spa
Unit 4	Aux 1	Can be used for Cleaner / 2 speed pump	Aux 1
Unit 5	Aux 2	Can be used for Solar Heater	Aux 2
Unit 6	Spa Overflow	(Suction from Pool return to Spa)	Aux 3
Unit 7	Filter		Aux 4
Unit 8	Heat Boost	(2 minute heater boost)	Aux 5
Unit 9			Aux 6
Unit 10			Spa Overflow
Unit 11			Filter Pump
Unit 12			Heat Boost
Unit 13	Solar Cool		Solar Cool
Unit 14	Pool Heat Enable		Pool Heat Enable
Unit 15	Spa Heat Enable		Spa Heat Enable
Unit 16	Lifeguard		Lifeguard

# Smart Touch Power Center Control Panel

The Smart Touch control panel allows local control (at pool equipment) of all functions of the SmartTouch system. Each function has an LED next to the switch to give the operator feedback on the status of the system. The temperature is displayed after the filter pump has been running for 1 minute. While the filter pump is off the display will show 3 lines (- - -). The temp set points for the pool and spa temp. can be adjusted at the pool control center. The entire front panel display (except the Lifeguard reset) is disabled while in the Auto Mode. The controls are only active when in the Service Mode and Manual Mode. While in the Service Mode the Smart Touch system will not respond to commands from the Touch Linc touch screen or standard PLC commands. The Smart Touch system will automatically revert from the Service Mode back to the Auto Mode after 3 hours. The Touch Linc touch screen will display a message that you are in the Service Mode until the screen is cleared. The Manual Mode will allow the operator to use both the front panel switched and the Touch Linc Touch screen and PLC commands. The Manual Mode will not revert to the Auto Mode.

## Temperature Display

Displays pool and spa water temperature. After the filter pump has run for 1 min. the display will show pool water temp when in the pool mode and spa water temp while in spa mode. The display will also show temp. set points when adjusting the temp.

## Temperature Up and Down

Adjusts temp. Pressing up or down arrow will display the current set point of either the pool or spa (depending on what mode your in). Holding the switch will adjust the set point up or down.

## Mode Switch

Changes the mode to allow local control. The Service Mode will revert to Auto Mode after 3 hours. The Manual Mode allows local control. Local Control is disabled while in Auto Mode.

## Valve Switch

Changes the position of Valve Actuators.

## Filter Pump Switch

Turns on Filter Pump. When LED flashes the filter pump is in the heater cool down cycle.

## Spa Mode Switch

Controls Spa Function. Filter Pump, Suction and Return Valves and switches to spa set point.

## Pool Heater Switch

Enables Pool Heater, LED flashes when heater is firing.

## Spa Heater Switch

Enables Spal Heater, LED flashes when heater is firing.

## Lifeguard Reset Switch

Resets the optional LIFE GUARD safety alarm system. Push switch to turn off sirens.

## Aux 1 / Clnr Switch

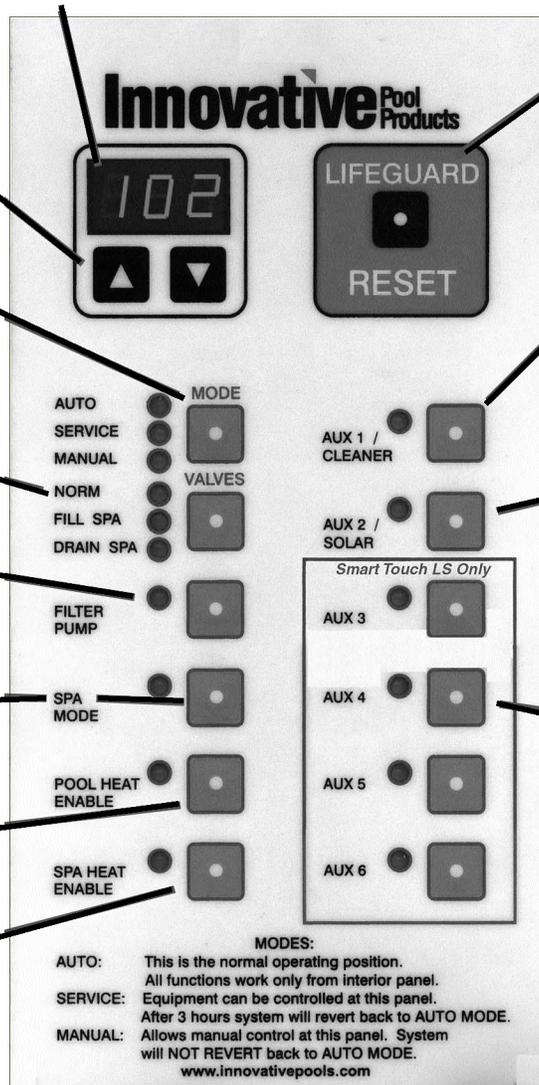
Controls Aux 1 or the Pool Cleaner or a 2 speed filter pump. Factory setting is for a standard Aux.. If DIP switch #1 is changed the cleaner logic is enabled. Cleaner will not operate if in the Spa Mode, enables "prime cycle". LED flashes when cleaning is suspended.

## Aux 2 / Solar Switch

Controls Aux 2 or the Solar Heater. Factory setting is for a standard Aux. If DIP switch #2 is changed the solar logic is enabled. Solar Heater will not operate if in the Spa Mode. LED is flashed when Solar Heater is ON.

## Auxiliary Switches

Controls for Aux 3 through 6 on Smart Touch LS. Auxiliary switches on Smart Touch adds controls for Aux 7 through 13 using PLC modules. These modules are available on our web site. [www.innovativepools.com](http://www.innovativepools.com)



# The Smart Touch Power Center

## TEMPERATURE DISPLAY

The Temperature Display on the Power Center uses a temperature sensor installed in the water pipe at the Pool Equipment area. The display will only read the temperature of the water that flows past the sensor. The temperature will be displayed if the Filter Pump has been pumping for one minute. Below the temperature display there are **up** and **down** adjustment arrows.

## ADJUSTING THE TEMPERATURE FROM THE POWER CENTER (outside at pool equipment)

**IMPORTANT: The Smart Touch system becomes your pool and spa thermostat. You must leave the Pool Heater turned on and the thermostats on the heater turned all the way up.**

The Smart Touch system has two temperature set points, one for pool which is factory set to 80 degrees F, and one for Spa which is factory set for 100 degrees F. You may adjust the temperature set point at the Power Center by pressing the up or down arrow buttons. If you are in the POOL mode you may adjust the Pool Temp., to adjust the Spa set point you must be in the Spa Mode. While in the proper mode, press and hold either the up or down arrow. The first temperature displayed is the current set point. Adjust the temperature up or down as desired.

- 1.) Press MODE button to change from Auto to either Manual or Service Mode. This allows the exterior controls to function.
- 2.) With filter pump running (for 1 minute) the temperature should be displayed in the window. If the control is in the Pool Mode you will be able to set the Pool temp. If the controller is in the Spa Mode you will be able to set the Spa temperature.
- 3.) Press either the up or down arrow buttons in the temperature window. The first temperature that appears in the current set point.
- 4.) Adjust the set point to the desired temperature. The display will adjust, after you have adjusted to the desired temperature the display will return to the actual water temperature.

## Temperature Adjustment from Touch Screen:

From the Touch Screen you can set the desired set point of either the pool or spa.

- 1.) Press **Heater** for the Heater Sub Menu.
- 2.) Press either **POOL TEMP.** or **SPA TEMP.**
- 3.) Using the numbered keys press in the desired set point.

If setting the SPA TEMP. you must use 3 digits. The Smart Touch will accept either a 0 or a 1. Use the 0 if you desire a temperature less than 100 degrees.

## MODE SWITCH

The Mode Switch allows you to control the connected pool equipment from the power center.

**Auto:** The Auto Mode allows the Smart Touch to be controlled by the indoor controller, whether it is X-10 controlled, or controlled by the Smart Touch touch screen. This is the Normal Mode for your system.

**Manual:** The Manual Mode will allow control either remotely (from inside the house) or local control at the Power Center. You may leave you system in this Mode if you like.

**Service:** The Service mode allows LOCAL CONTROL at the pool equipment ONLY, but it will revert to the Auto mode after 3 hours. Your Smart Touch system will track all commands that it receives but it will not act on them until it reverts back to the Auto Mode. When you change to this Mode your Touch Linc Touch Screen will display a message letting you know that you are in the Service Mode, and the system will revert back to the **Auto Mode** in three hours. This Message will remain until you press Main Menu. This feature lets you know if your pool man has been out to service your pool.

## **FILTER PUMP**

On all non programmable Smart Touch controllers the Filter Pump is controlled by the Time Clock in the Power Center. During normal use the Time Clock should have the white switch on the dial to the center (AUTO) position. This will allow the Filter pump to operate during the times that the trippers are pushed toward the center of the Time Clock. The OFF position will keep the Time Clock from operating the Filter Pump automatically. The (ON) mode will operate the Filter Pump continuously. To set the proper time on the Time Clock turn the dial clock wise. DO NOT FORCE THE DIAL OF THE TIMECLOCK COUNTER CLOCK WISE.

From The Power Center

The Filter button turns on and off the main filtration pump to begin circulation to the pool. This pump also activates if the spa is turned on, or if the pool cleaner is turned on. The main filtration pump circulates the pool or spa water through the filter and heater. The Filter pump must be on if you want to display the pool temperature, or if you want to heat the pool.

## **HEATER ENABLE SWITCHES**

The Smart Touch system has separate Pool Heater Enable and Spa Heater Enable switches. If you would like to heat the pool during daily filtering, you would enable the heater by changing to the Manual Mode and pressing the Pool Heat Enable button. The LED next to the button should be lit. When the heater is firing the LED will flash. Set the Spa Heater Enable if you would like to heat the spa while in the Spa Mode.

### **Aux 1 /Clnr**

The Aux 1 circuit can be either set up as a standard auxiliary or as a Pool Cleaner pump or valve actuator. The Pool Cleaner option is also used to control the low speed of a 2 speed pump. If your installer has the #1 Dip switch turned to the Cleaner position the logic circuits and lockouts will be turned on.

### **Aux 2 / Solar**

The Aux 2 circuit can be used as a standard auxiliary or as a Solar heating pump or Solar valve actuator. If your installer has the #2 Dip switch turned to the Solar position the logic circuits and lockouts will be turned on. You must have a Solar Temperature Sensor to operate the solar collectors automatically.

## **AUX 3 THROUGH 6**

Smart Touch LS only. These auxiliaries can be used for any motor load up to 240 volts 3 horse power.

## **LOCKOUTS AND DELAYS (FLASHING LED'S)**

When a function is in a delay mode or a lockout the LED for that function will flash.

**Heater Cool down Delay** - When the system is heating (water is circulating to the spa) and the Spa button is pressed, the system will return to the Pool Mode for seven minutes, and will continue to circulate the water. This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

**Heater Startup** - The heater will only come on if the water is circulating (e.g. filter pump is on and has been circulating for 1 min.) to the corresponding body of water (e.g. spa for spa heater) and the actual water temperature is below the temperature you set. If these conditions are not met, the heater will be enabled (ready to fire), but will not fire. When the heater is enabled, the LED next to the button will be red. When it is firing, the LED will flash red.

**Heater "short cycling" prevention** - When the heater is activated and the desired temperature is reached, heater will turn off and remain off for 3 minutes, even if the temperature falls below the desired temperature. This feature prevents heater short cycling (i.e. heater turning off and on in rapid succession).

**Cleaner Lockout** - The pool cleaner will only activate if the system is in pool mode (i.e. water circulating to pool). The pool cleaner requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

**Spa Overflow Lockout** - The Spa Overflow will only activate if the system is in pool mode (i.e. water circulating to pool). The Spa Overflow requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the waterfall.

**Solar Heater Lockout**- The Solar Heating system is designed to only heat the swimming pool while in the Pool Mode. The solar panels can contain a large amount of heat and if they were activated while in the spa mode super heated water could be dumped through the spa jets. Due to the possibility of scalding the solar heating system is locked out while in the Spa Mode.

### **FREEZE PROTECTION:**

Freeze protection is intended to protect equipment and plumbing for short periods of freezing only. The Smart Touch does this by circulating water so that it won't freeze inside of equipment or plumbing. Freeze Protection does not guarantee that equipment will not be damaged by extended periods of freezing temperatures. Or extremely low temperatures. In these conditions, the pool and spa should be shut down completely (i.e. drained of water and closed for the winter) until warmer weather exists. Innovative Pool Products does not warranty any equipment that is damaged by freezing conditions.

### **LIFEGUARD (option)**

***THE LIFEGUARD SYSTEM IS DESIGNED AS AN ADDED LAYER OF PROTECTION FOR SMALL CHILDREN TO ALERT YOU IF THEY ENTER THE POOL AREA. NO SYSTEM OF THIS NATURE CAN REPLACE THE WATCHFUL EYE OF A RESPONSIBLE ADULT. PLEASE WATCH CHILDREN CAREFULLY AROUND YOUR SWIMMING POOL.***

The Lifeguard system is a Child Safety system built in to the Smart Touch system. This Option can be added by your installer. The Lifeguard system consists of the following.

1. One pair of high quality Optex infrared beam sensors.
2. One hard wired siren for the pool equipment area.
3. One plug in Alarm / Chime.

The Optex infrared beams are sold in pairs and up to four pairs of beams can be used to completely surround the pool area.

The Lifeguard system has two modes:

The ALERT mode will sound the interior Chime every time the infrared beams are tripped. The ALERT mode will not activate the exterior siren. The ALERT mode is active when the Lifeguard icon is Off.

The ALARM mode is activated as a default, when the system is first powered up the Lifeguard will be in the ALARM mode even if the icon is OFF. Turn the Lifeguard ON and the icon will appear. The ALARM mode will sound a loud alarm from the interior Chime/Siren as well as sound the outside siren. The siren will sound for 10 seconds and be silent for five seconds and will alternate until it is reset out at the pool equipment Power Center Lifeguard Reset button. The siren will automatically reset after four minutes and remain active. If the Alarm is sounding you will see the LED on the touch screen in the upper right corner flashing. You may turn off the siren by turning off the Lifeguard from the touch screen, but you must wait until the LED stops flashing. You have five seconds to get the signal through until the alarm signal resumes. If you turn the Lifeguard OFF from the touch screen during an alarm you will have deactivated the exterior siren and turned the interior Chime/Siren back to the Chime mode. This chime will continue to sound for four minutes. **YOU MUST GO CHECK THE POOL AREA TO SEE THAT IT IS SAFE AND ALL CHILDREN ARE ACCOUNTED FOR AND RESET THE LIFEGUARD FROM THE POWER CENTER BOARD AT THE POOL EQUIPMENT.**

# Typical Lifeguard System Installation

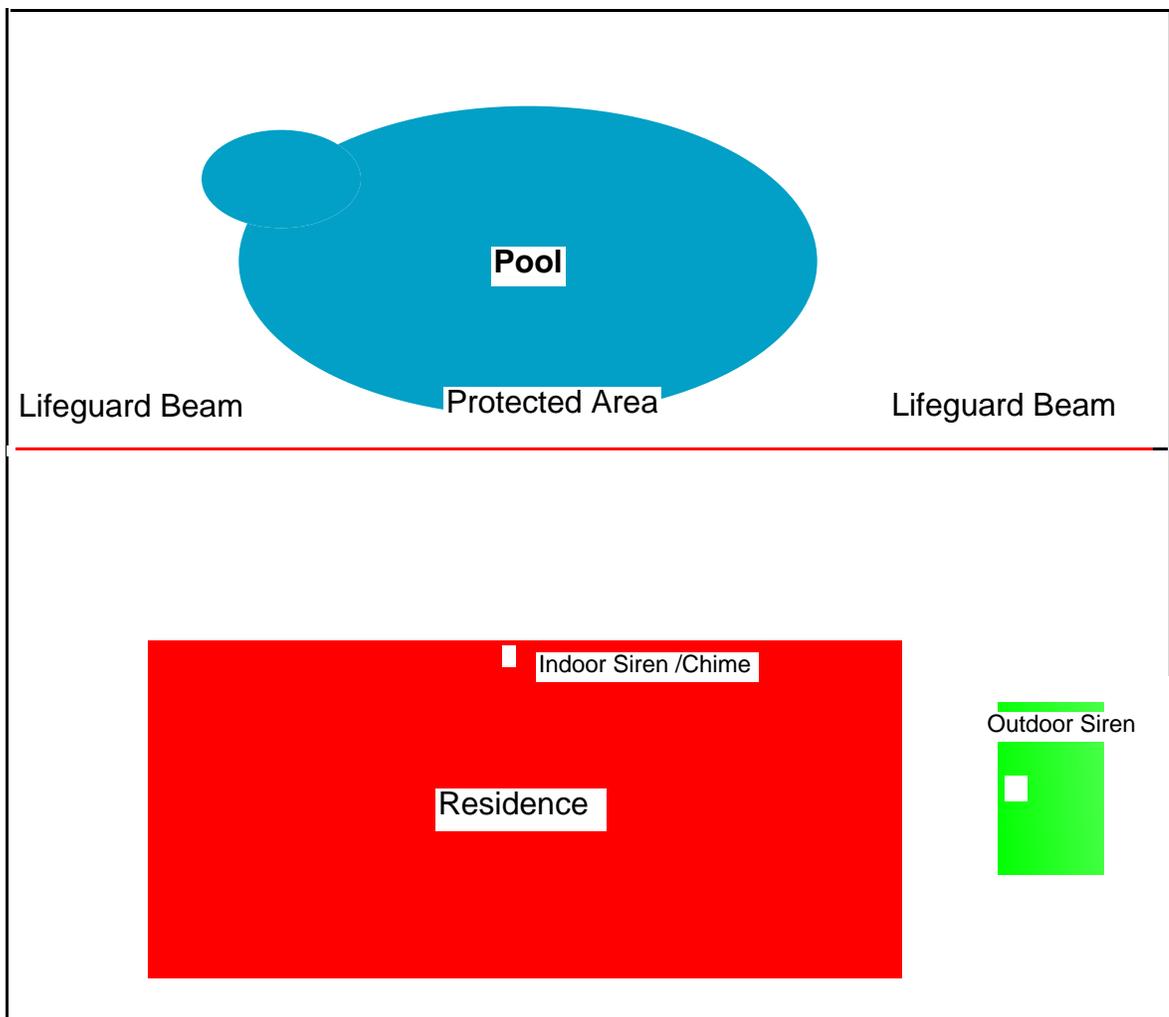
using 1 pair of beams an infrared beam can be set up from fence to fence to let you know when a child is on his way to the pool. You can install up to 4 pairs of beam emmitters to completely surround the swimming pool area.



**Infrared Beams**



**Indoor Siren / Chime**



# Touch Linc Touch Screen

## Getting Started

The Touch Screen for the Smart Touch system is very durable, but it can become scratched if you use a sharp or abrasive object on the screen. In the upper right corner of the screen you will notice an LED above the ON button. This LED has two purposes.

- 1.) It will help you see the screen in the dark. Touching the screen will activate the back light of the screen for one minute. This back light is designed to easily use the screen in the dark. It is not necessary for normal daylight viewing.
- 2.) The LED flashes during communication with the pool control board. Wait for the LED to stop Flashing before sending a command. (During initialization there will be about 10 seconds of activity on the line before the screen is ready to use.

### Pressing the screen

You will find that the most accurate way to press the touch screen is with the tip of your finger nail.

When you are activating a device. (Filter , Spa etc.) Pressing the device label on the left side of the label area turns the device on and you will see the ICON appear. Pressing the right side of the device label turns the unit off and the ICON will disappear.

NOTE. The label area is eleven characters wide. The Left side of the Label is the first five characters and the right side is the last five characters. Since the SPA label is only three characters long pressing the label slightly to the right of the A in SPA will still turn the SPA on. To turn off the spa you will need to press the label area to the Right.

### The Main Menu Screen.

When you first see the Main Menu you may notice the Left side of the screen is Labeled FILTER, SPA, AUX1 through AUX6. This corresponds to the Power Center board controls (at the pool equipment) . The Auxiliaries can be custom labeled. See Labeling Auxiliaries.

The Right side of the screen has the Temp Display as well as Clock controls and Sub Menus for Programming , Heater, and Home Controls. Sub Menus are designated with the double square ICON.

### Setting Time and Date

#### Setting Time

1. From Main screen press Clock. (Clock will appear)
2. Press the area that displays time. (A keypad will appear)
3. Enter the desired time. ( enter a Zero for the first digit if it is earlier than 10:00 )
4. Press AM or PM

The screen will now show the current time.

#### Setting Date

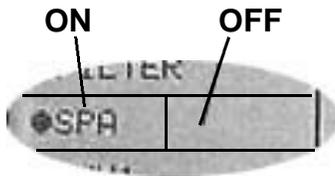
1. From the Clock screen press the area where the date appears. (A keypad will appear)

2. Enter the current date. (example 09/09/99) Smart Touch is Y2K compliant.

3. Press Return at the lower right side of the screen to return to the Main Menu Screen.

Smart Touch will now keep track of the time and Date. You may leave your Smart Touch Display set to the Clock Screen if desired.

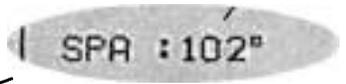
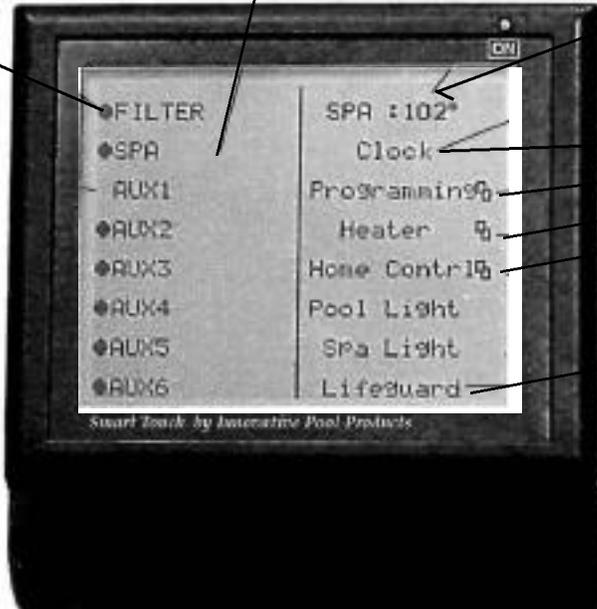
# Main Screen



Press the Left side of the label to turn the item ON and the Right side to turn it OFF. It works best to use the tip of your fingernail

ICON shows if item is on.

Auxiliary labels can be typed in on the Programming Screen. See page 16 & 17.



Displays current temp. and Pool or Spa Mode. Reads - - - until filter has ran for 1 min.

- Displays Clock
- Programming Menu
- Heater Menu
- Home Control Menu

Optional Lifeguard Alarm Infrared perimeter alarm system for child safety.

# Clock Screen



Press here to change time.

Press here to change date.

Press here to return to the Main Menu.

## Setting Temperature

The Smart Touch system has a temperature set point for the Pool temperature and a separate set point for the Spa temperature. These set points are factory set to 80 degrees F for the Pool and 100 degrees F for the Spa.

To reset the Temperature from the Main Menu.

1. Press the Heater sub menu.

The Heater menu shows controls for :

<b>Pool Heater</b>	When this is on the heater will heat the pool to the pool set point when in the filter mode.
<b>Pool Temp</b>	Takes you to the Pool set point menu.
<b>Spa Heater</b>	When this is on the heater will heat the spa to the spa set point when in the spa mode.
<b>Spa Temp</b>	Takes you to the Spa set point menu.

There is also a Delay Cancel button on this screen which will cancel the heater cool down when it is in progress.

2. If you would like to heat the Pool every day during filtration press the left side of the Pool Heater label and the Icon will turn on.

3. If you would like to heat the Spa automatically when the Spa is activated press the left side of the Spa Heater label and the Icon will turn on.

4. To Change the Spa Temperature press Spa Temp.

The SET SPA TEMP menu will appear. This menu shows the current Spa set point to the right of a keypad that is used to enter the desired temperature. If the current set point does not need to be changed Press Return at the lower right of the screen.

NOTE: The Spa Temp is a three digit number. A temperature of 98 degrees must be entered 098. The Maximum Spa set point is 104 degrees F. After the last digit is entered the Touch Screen will update the Power Center board with the new set point.

5. Pool Set Point is set the same manner as the Spa Set Point except it is a 2 digit number with a maximum set point of 99 degrees.

# Heater Menu

Enables Pool Heater  
Sets Pool Temp

Enables Spa Heater  
Sets Spa Temp

Solar Cool uses your solar panels to cool your pool at night.

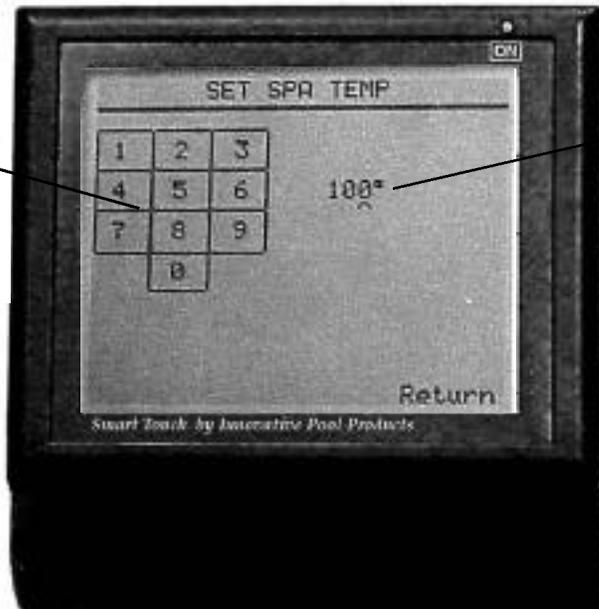


# Temperature Menu

There are two temperature menu's "Pool Temp" and "Spa Temp"

## Temperature Set Keypad.

Spa Temperature is a 3 digit number so you must start with a Zero or a One. Pool Temperature is a 2 digit number and can be set to a maximum of 99 degrees.



Displays the current set point. If you do not desire to change the set point press **Return** at the bottom right. If you would like to change the temp. Type the desired set point in on the Keypad. The Spa Temp is a 3 digit set point so if you would like the temp to be 98 degrees you will have to type in **098**.

## Programming Timers

The Smart Touch System is capable of programming up to four on and four off times per day for the Filter Pump, Spa, and Aux 1 and 2 on a Smart Touch LE or Aux 1 Through 6 on a Smart Touch LS. As well as the Standard X-10 functions that can be added to Aux 7 through Aux 13. All of the functions are programmed in the same manner. However on Aux 7 through 13 you will need to set the X-10 house code and unit code that correspond to the devices you have installed. This is done by pressing the small box (with the letter and number) above the Return button in the Programming Function Menu. This box is not programmable on the units that correspond to Pool Control functions. DO NOT USE THE SAME HOUSE CODE AS THE SMART TOUCH POOL CONTROLLER.

### 1. From The Main Screen Press **PROGRAMMING**

The Programming Menu appears.

### 2. Press **SET TIMES**

This will give you a list of all programmable functions. Press the device you wish to program. The Programming Function Menu appears.

From this menu, pressing: NAME allows you to change the name of an Auxiliary. For example you may change Aux 1 to SPA JETS

Pressing any of the ON and OFF slots allows you to enter an ON or OFF time. It is not necessary to enter both an ON and OFF time. For example if you will be away from home for an extended period of time you may want to set up an OFF time for each of the pool functions. This will shut OFF these functions once a day in case the pool maintenance person were to accidentally leave the unit ON.

Pressing the small box above the Return Button on Aux 7 through 13 will allow you to change the House Code and Unit Code for a standard PLC or X-10 device. This Box will show the House Code of the Pool system on Filter through Aux 6. This cannot be changed from the touch screen. The Power Center Pool Control Board must match this House Code.

## Labeling Auxiliaries

The Filter, Spa and AUX1 through AUX 13 can be relabeled from the touch screen for your convenience. In other words you can change the label from Aux 2 to be waterfall so that you don't have to remember what Aux 2 is.

- 1.) Press Programming
- 2.) Press Set Times
- 3.) Press Aux 2
- 4.) Press where it says NAME vertically on the left side of the screen.
- 5.) Use the Alpha Numeric keypad to type in any name you wish, up to eleven characters.

# Set Times Screen

To get to the Set Times screen from the Main Menu press **“Programming”** then press **“Set Times”**

From this screen you can see all of the devices you can program on your Touch Linc system. Press the item you wish to program. The items on the left are devices on your Smart Touch pool controller. The items on the right side of the screen are for optional off board PLC modules that you can control from your Touch Linc. These can be any lights or appliances around your home. These modules are purchased separately. Ask your contractor for details or see us on the web at [www.innovativepools.com](http://www.innovativepools.com)



**Interior Lighting.**  
**Landscape Lighting.**  
**Water Features.**  
**Fans.**  
**Drapes.**  
**Blinds.**  
**Christmas Lights.**

Almost anything you can think of can be controlled by the Touch Linc touch screen. Just add optional modules as you need them. You can even automatically feed your pets and water indoor plants. Ask your contractor for details or see us on the web at [www.innovativepools.com](http://www.innovativepools.com)

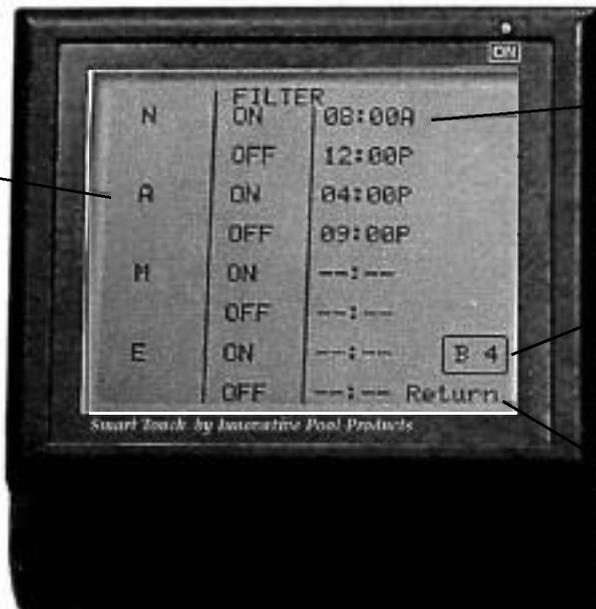
# Programming

The Filter, Spa and Aux 1 through 13 can be programmed for up to four on and four off times per day. The Name of the item being programmed appears at the top of the screen.

To change the label of any auxiliary. Press the area on the left of the screen where it says.

**N**  
**A**  
**M**  
**E**

Then simply type in any label you like up to 11 characters. See LABEL SCREEN on page 17.



The Timer Screen will display all of the ON and OFF times programmed for the device. To program a time press any of the On and OFF timers.

Displays pool system house code and allows you to change PLC codes on Auxiliary 7 through Auxiliary 13.

Returns to the Set Times Menu

## The Home Control Menu

The Home Control Menu contains the controls for Auxiliaries 7 through Auxiliary 13. These items are “Standard X-10 Controls” which means that the Touch Screen can control and program timers for seven standard X-10 modules which can be used anywhere on your property. Simply install any X-10 compatible device to control lights and appliances and set the house code and unit code on the X-10 module.

**THIS MUST BE SET TO A DIFFERENT HOUSE CODE THAN THAT USED BY YOUR POOL EQUIPMENT.**

Once the house code and unit code are established you can set the touch screen to control these devices from the **SET TIMES** menu on the **PROGRAMMING** screen.

1. Choose which “button” from Aux 7-13 you wish to use to control the device and Press it’s label.

A standard programming screen will appear. In this screen you can do the following.

A. Re label the Aux by pressing NAME and typing in the new label.

B. Change the House Code and Unit Code to match the device by pressing the small box with the Letter and Number above RETURN

C. Schedule ON and OFF times by pressing any of the four ON and OFF schedules. Enter the desired time on the keypad.

# Set PLC (X-10)

Aux 7 through 13 are used for Power Line Carrier of X-10 compatible devices. From the timer screen, press the X-10 code in the lower right corner in the box above Return to bring you to this screen. Then select the desired house code and unit code for the power line carrier device you are installing. Make sure it matches the code on the device.

**DO NOT USE HOUSE CODE A.**

Set House code of a PLC device. **DO NOT USE THE SAME HOUSE CODE AS THE SMART TOUCH SYSTEM** or you will control pool functions. Use a different house code for you PLC devices Aux 7- 13.



Set the unit code for standard PLC devices on Aux 7 - 13. The Smart Touch system used 1 entire house code.

You can see what house code the Smart Touch is on by checking the Filter Programming Screen. The Letter in the box on the lower right should be the pool equipment house code.

# Label Screen

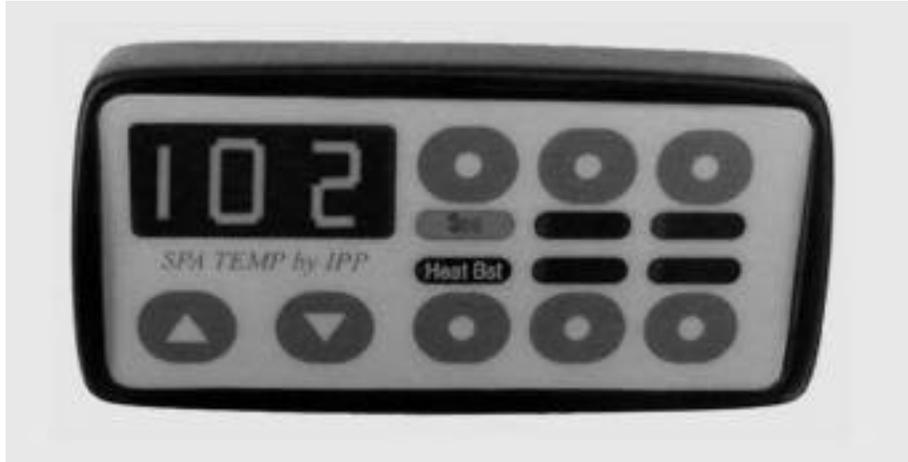
In this example we are re labeling AUX1. You can see the AUX1 label at the top of the screen. Type in any label you wish, up to eleven characters. Press **SPACE** to add a space. Press **BACK** if you make a mistake. Press Return when you are finished. The new label will help describe the device.  
Example: Change Aux1 to Waterfall.



# SpaTemp

## Optional Spa Side Control

The **SpaTemp** spa side control is back lit for good night time visibility and is fully programmable from spa side. It displays temperature and the status of the Spa Function and up to 5 additional functions. It also allows you to change the heater set point. Programming the auxiliary functions is a snap, so this unit is capable of controlling your entire system. The **SpaTemp** comes with peel and stick labels that can be placed over the LED indicator for a backlit label that can easily be seen in the dark.



### Programming Instructions

The **SpaTemp** comes from the factory with the following settings. Top Left button is always spa. Top Center is Aux 1, Top Right is Aux 2, Bottom left is Heat Boost, Bottom Center is PLC code 1 for Pool Lights on light dimming module, Bottom Right is PLC code 2 for Spa Light on light dimming module.

#### To change from the factory settings

- 1.) Press both the up and down arrows at the same time. The Display will read PRO
- 2.) Press the button you would like to change and it's LED will begin to flash.
- 3.) Press the up or down arrows until you reach the desired device that you wish to control from that button.
- 4.) When you have selected the device from the list you may either press another button to program on the SpaTemp and program it or.
- 5.) When you are finished press both the up and down arrow buttons at the same time. The Display will read **dun**. For Done. *Sorry but it's only a 3 digit display.*

#### List of items that can be controlled.

**Aux 1** through Aux 6.

**L1** and **L2** which send a PLC code to optional light dimming modules for pool and spa lights.

**PHE** or Pool Heat Enable

**SHE** or Spa Heat Enable

**Hb** or Heat Boost. This fires the heater for 2 minutes to take the spa above the spa set point if desired.

**FP** for Filter Pump

#### Display

The display will read the temperature of either the pool when in the pool mode or the spa when in spa mode. The display will read 3 dashed lines. - - -. Until the filter pump has ran for 1 minute.

#### Heater On Indicator.

The 3 digit LED display will light the left decimal point when the heater is actually firing.

Example: if the temp is 98 and the heater is not firing the display reads 98 If the heater is firing the display reads .98 a 100 degree readout will read 100 if the heater is not firing or 1.00 if the heater is firing.

# Decora Spa Control

## DSC-1 and DSC-2

### Programming Instructions

The **DSC-1** is the Master the **DSC-2** is a slave. You cannot run a **DSC-2** without a **DSC-1**. The **DSC-1** comes from the factory with the following settings. From top to bottom on the right side is Spa, Aux 1, Aux 2, L1 and L2 which are PLC code 1 for Pool Lights and PLC code 2 for the Spa light on optional light dimming modules.

### To change from the factory settings

- 1.) Press both the up and down arrows at the same time. The Display will read PRO
- 2.) Press the button you would like to change and it's LED will begin to flash.
- 3.) Press the up or down arrows until you reach the desired device that you wish to control from that button.
- 4.) When you have selected the device from the list you may either press another button to program on the DSC-1 and program it or.
- 5.) When you are finished press both the up and down arrow buttons at the same time. The Display will read **done**. For Done. *Sorry but it's only a 3 digit display.*

### List of items that can be controlled.

**Aux** 1 through Aux 6.

**L1** and **L2** which send a PLC code to optional light dimming modules for pool and spa lights.

**PHE** or Pool Heat Enable

**SHE** or Spa Heat Enable

**Hb** or Heat Boost. This fires the heater for 2 minutes to take the spa above the spa set point if desired.

**FP** for Filter Pump

### Display

The display will read the temperature of either the pool when in the pool mode or the spa when in spa mode. The display will read 3 dashed lines. - - -. Until the filter pump has ran for 1 minute.

### Heater On Indicator.

The 3 digit LED display will light the left decimal point when the heater is actually firing.

Example: if the temp is 98 and the heater is not firing the display reads 98 If the heater is firing the display reads .98 a 100 degree readout will read 100 if the heater is not firing or 1.00 if the heater is firing.

*Thank You for choosing the Smart Touch system. We are sure you will be happy with it.*

*Please fill out and send in your registration card. This helps our Technical support staff know exactly what system configuration and software your system is using and can help matters very much during Technical Support calls. You can also register your Smart Touch system online at [www.innovativepools.com](http://www.innovativepools.com).*