IntelliTouch™ Quick-Start Manual
Set-Up and Programming

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

⚠ WARNING

Before installing this product, read and follow all warning notices and instructions which are included. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage.
Call (800) 831-7133 for additional free copies of these instructions.

Important Notice

Attention Installer.

This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

In this Quick Start

System Requirements

This Quick Start helps you test and set up the IntelliTouch system. Use these instructions to make sure the system is working and properly set up for the homeowner.

This Quick Start is for the following systems:

- Wired only systems. If you are using a MobileTouch, this Quick Start is not for you.

- Only 1 expansion center. If you have multiple centers, this Quick Start is not for you.

- Only 1 iS10 **OR** multiple iS10s configured to the same circuits.

⚠ CAUTION
DO NOT OPERATE ANY OF THESE CONTROLS BEFORE READING THESE INSTRUCTIONS.

You can fold the Outdoor Control Panel downward to get to the rear circuit board while operating. In the unlikely event you need to plug in any low voltage devices, you must feed a cable up the Low Voltage Raceway on the left. Turn the power off and remove the High Voltage Cover Panel to make it easier to feed the cable.

Important Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the party responsible for FCC compliance could void the users authority to operate the equipment.

Before You Start

If you have more than 1 Indoor Control panel, you only need to configure 1 panel. Other Indoor Control panels will read that programming and use it.

Before you start, make sure you have:

- Pen and paper

- Marker or other way to label the circuits. Use the provided Circuit ID label sheet, a permanent marker, or other permanent means of labeling.

- If the system you are setting up is large or covers a large area, get an assistant to walk the property while you test the circuits

Setting up the IntelliTouch involves the steps detailed in the guide. Follow the steps in order to make sure the IntelliTouch is properly set up and working correctly.

Check the Load Center

1. Turn on the electrical power at the house breaker.

2. Turn on the Load Center. You may need to turn on the breakers on the Load Center.
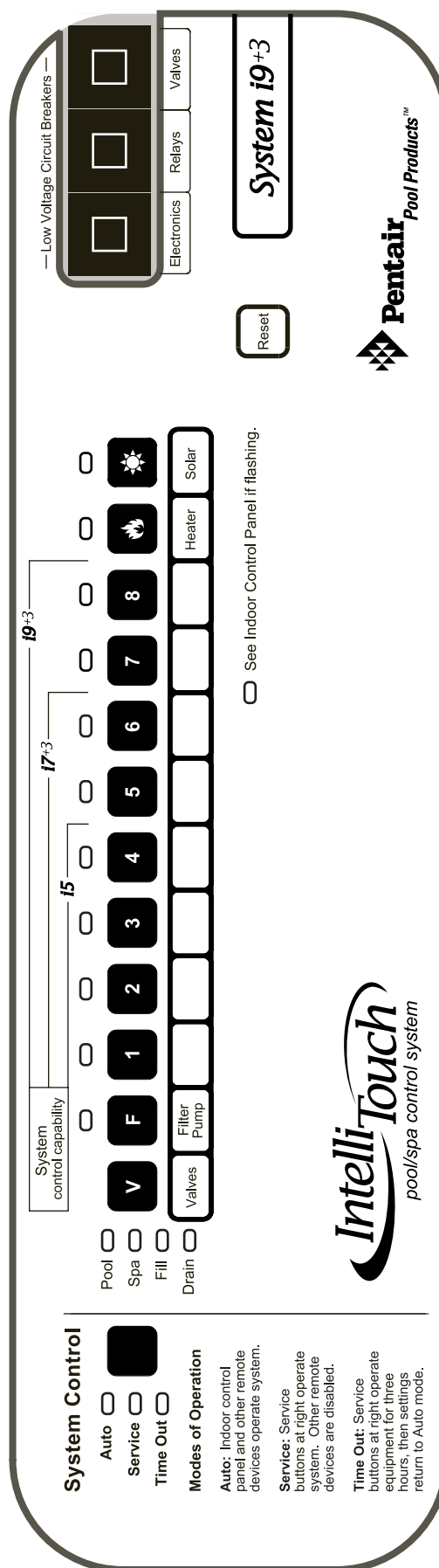
3. Wait for the following:

   · In the System Control lights area, only one light is on, usually the **Auto** light.

   · The light labeled **See Indoor Control Panel if Flashing** stops flashing.

4. Press the Service button to put the Load Center in Service Mode for testing.

   Note: If you are working with the i5, i7+3, or i9+3 systems, go to step 5. If you are working with the i5S, i9+3S, or i10+3D systems, skip step 5 and go to step 6.

5. Press the **Valves** button. Step thru all 4 valve positions: Pool, Spa, Fill, Drain. Make sure the valves turn on correctly and the water is moving in the correct direction for each position.

6. Press the **Filter Pump** button. Make sure the filter pump turns on correctly. If the pump has 2 speeds: Press the button 1 time to run the pump in low speed. Press the button again to run the pump in high speed. Press the button again to turn the pump off.

7. Step through the rest of the system control buttons. Notice which button turns on which equipment. You may need to walk the property to find what each button turns on.

8. Write down what each button turns on, including the number of the circuit.

9. Label the circuit buttons on the outdoor control panel. You need this information when you set up the Indoor Control Panel.
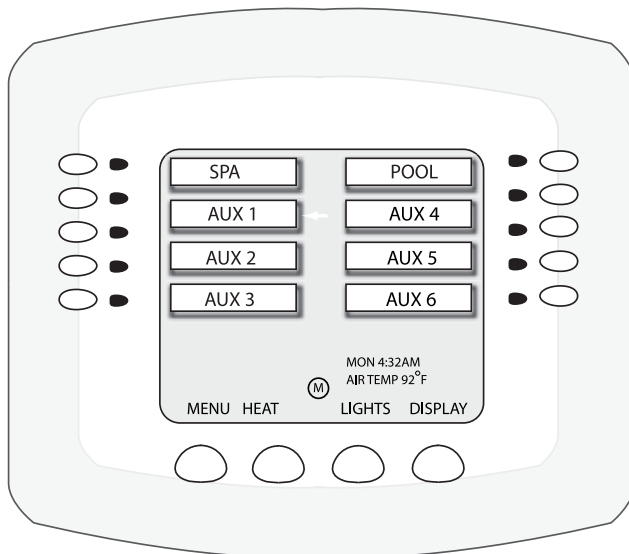
When you are done, you are ready to set up the Indoor Control Panel. See the next section.

Setting up the Indoor Control Panel

The Indoor Control panel looks like the following picture.

Select items on the screen by pressing the buttons on each side and the bottom.
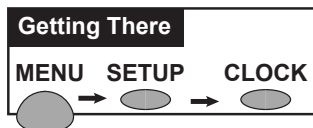
Testing the Indoor Control Panel

Press the button in the upper left labeled either Spa or Hi-Temp, depending on the model of Indoor Control Panel. An LED turns on.

If none of the LEDs turn on, you have a problem. Contact Technical Service for help at 800-831-7133.
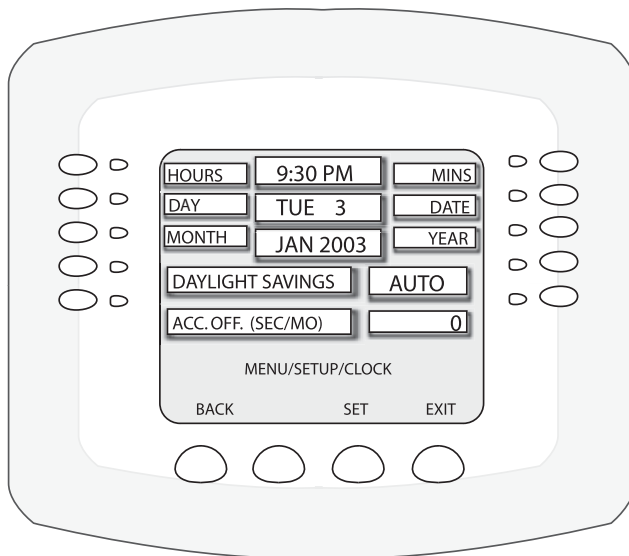
Setting the Clock

Setting the clock lets all automatic pool functions work correctly.

Getting There

MENU   SETUP   CLOCK

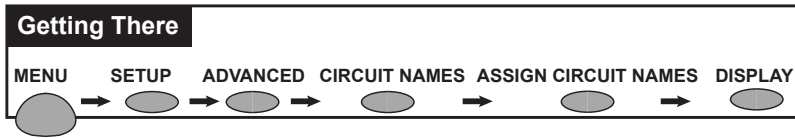Go to the Clock screen.

1. Using the buttons on either side of the panel, set the time and date.

2. Specify the Daylight savings setting. If you are in an area that observes Daylight savings, set this to Auto. If you are in an area that does not observe daylight savings, set this to Manual.

3. When you are done, press the **Save** button.

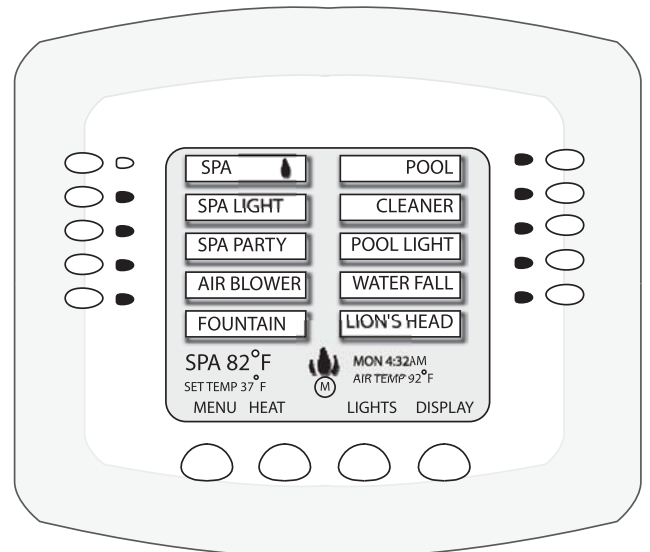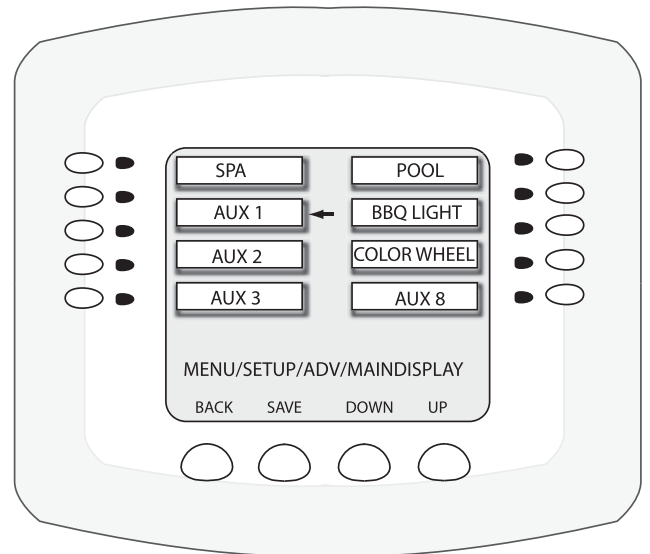4. Press the **Exit** button to return to the Main screen.

Setting the Circuit Names

Setting the circuit names lets the homeowner use the pool equipment from the Indoor Control Panel. Many common equipment names are already programmed into the Indoor Control Panel. If you need to program custom circuit names, refer to the IntelliTouch Setup manual.

Getting There

MENU   SETUP   ADVANCED   CIRCUIT NAMES   ASSIGN CIRCUIT NAMES   DISPLAY
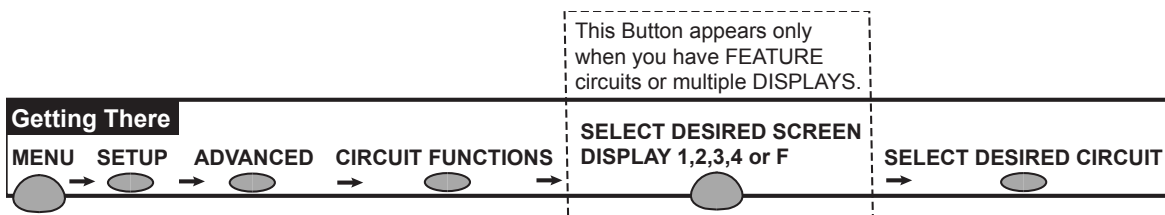
Go to the Assign Circuit Display screen.

1. Get the written list of circuit names you made while setting up the Load Center. Find what you labeled circuit button 1. The circuit names you assign must match the labels you put on the Load Center.

2. On the Assign Circuit Display screen, press the button next to the label **AUX 1**. You see a small arrow pointing to the name of that label.

3. Use the **Up** and **Down** buttons at the bottom of the screen to walk through the alphabetical list of programmed names.

4. When you find the name you want, press the button next to the label **AUX 2**. The small arrow moves to that label. You are done setting the first circuit name and are ready to program the next circuit.

5. Continue the process to assign the other circuits. Depending on the model you are programming, you may not have equipment for all circuits.

6. When you are done assigning names, press the **Save** button.

7. Press the **Exit** button to return to the Main screen.

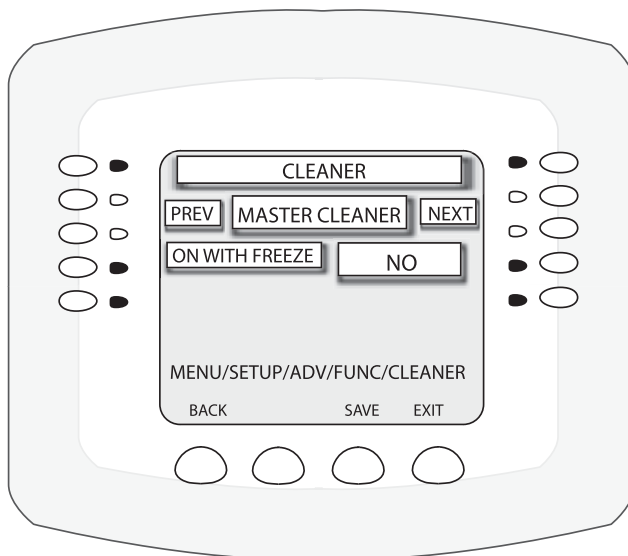## Assigning Circuit Functions and Freeze Protection

Assigning circuit functions lets you set special logic to a circuit. For example, you can set up an automatic pool cleaner to only run if the filter pump is on. Further, the automatic cleaner pump will turn off when the spa and/or solar is turned on.

Freeze protection turns on a circuit if the air temperature drops below 35° F. This is especially important if there is a pool and spa combination. If freeze protection is set to both the spa and pool circuits, the filter pump comes on and the pool and spa valves alternate every 15 minutes to keep the water moving in both until the freeze condition is over.

```
┌─────────────────────────────┐
¦ This Button appears only    ¦
¦ when you have FEATURE        ¦
¦ circuits or multiple DISPLAYS. ¦
└─────────────────────────────┘
```

Getting There

| MENU | SETUP | ADVANCED | CIRCUIT FUNCTIONS | SELECT DESIRED SCREEN DISPLAY 1,2,3,4 or F | SELECT DESIRED CIRCUIT |

To set the pool and spa freeze protection

1. Use the Getting There picture above. When you get to the Select screen, press **Pool**.

2. Find the **No** label. Press the button next to it to change the setting to **Yes**.

3. When you are done, press **Save**.

4. Press the **Back** button to return to the Circuits screen.

5. Press the button next to the label **Spa**, if there is a spa.

6. Find the **No** label. Press the button next to it to change the setting to **Yes**.

7. When you are done, press **Save**.

8. Press the **Back** button to return to the Circuits screen.

9. Repeat the above steps for any other circuits that you want to assign freeze protection.

Control panel display:

CLEANER

PREV | MASTER CLEANER | NEXT

ON WITH FREEZE | NO

MENU/SETUP/ADV/FUNC/CLEANER

BACK   SAVE   EXIT

To assign other logic to a circuit

1. Go to the Circuit Functions screen and select a circuit to assign special logic.

   Note: You must set pressure cleaners to Master Cleaner circuit function.

2. Press the **Prev** or **Next** buttons to make your selections. The options are:

Generic	No special Logic. Simple On/Off control of a circuit with all the programmable capabilities.
Master cleaner	Works with automatic pool cleaner pumps or cleaner valve actuator. It does the following: - Forces the filter pump on 5 minutes before the cleaner. - Turns the cleaner off when the spa is on. - Turns the cleaner off for 5 minutes when the solar heating begins.
Light	Allows special lighting features to work, such as ALL lights on or ALL lights off.
Dimmer	Allows light dimming features to work. Dimming relay must be installed.
SAM Light	Activates special color lighting programs on other screens on the Indoor Control Panel when used with SAM pool lights. For example, you can have ALL lights on or ALL lights off, or use Color Swim, Color Set, or Color Synch.
SAL Light	Activates special color lighting programs on other screens on the Indoor Control Panel when used with SAL spa lights. For example, you can have ALL lights on or ALL lights off, or use Color Swim, Color Set, or Color Synch.
Photon Generator	Lets Pentair Fiberworks fiber optic bulb be operated by Color Set or Color Swim programs when used with SAM and SAL lighting.
Color Wheel	Activates special color lighting programs on other screens on the Indoor Control Panel when used with Pentair Fiberworks. For example, you can have ALL lights on or ALL lights off, or use Color Swim, Color Synch, or Color Set.
Valve	Not currently used.
Spillway	For pool/spa combinations where the spa is raised above the pool. This setting moves the return valve so that the filter pump pulls the water from the pool and returns it to the spa, creating a water fall effect. Automatic pool cleaners are turned off when this feature is turned on.
Floor Cleaner	This setting moves a 3-way valve every 20 minutes alternating flow between 2 cleaner system valves that feed the pop-up heads.

3. When you are done, press **Save**.

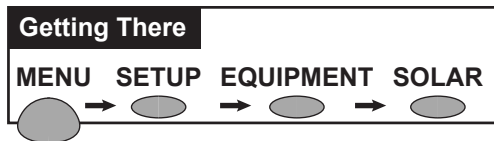4. Press the **Exit** button to return to the Main screen.

Setting up Additional Equipment

If any special equipment is attached, you need to set that up now. You may or may not have this equipment.
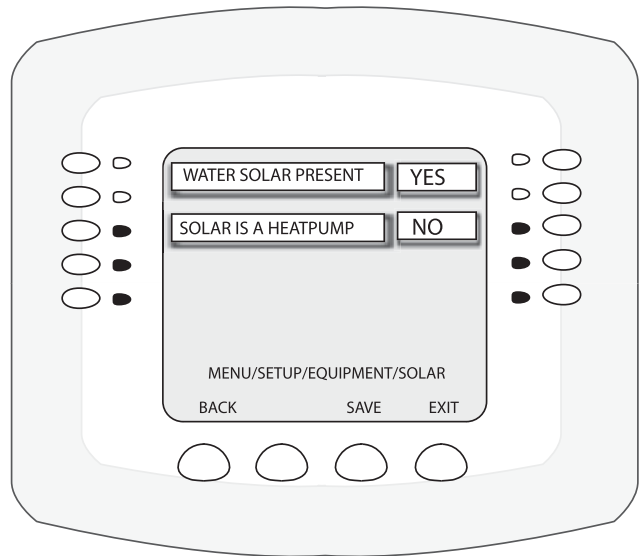
This section explains setting up the following:

• Solar or heat pump equipment - Lets you set solar or heat-pump heaters to work.

• 2 speed pump - Lets you set circuits that switch the filter pump to high speed.

• Cool-down cycle for the heater - Lets you set a cool-down cycle for heaters that need it.

• Automatic spa heating when the spa is manually turned on - Heats the spa using the Spa button on the Indoor Control panel or the spa-side control, even when the heater is set to OFF in the Heat screen. This lets the homeowner heat the spa on-demand. Timed programs will not heat the spa.

To set up the solar equipment

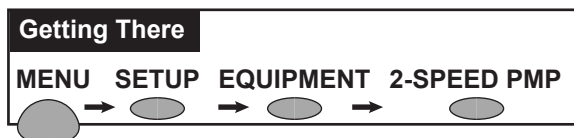| Getting There |
| --- |
| MENU → SETUP → EQUIPMENT → SOLAR |

Go to the Solar screen.

1. Press the button next to the **Water Solar Present** label to change it to Yes.

2. If a heat pump is being used instead of a solar heating system, press the second button to change it to Yes.

3. When you are done, press the **Save** button.

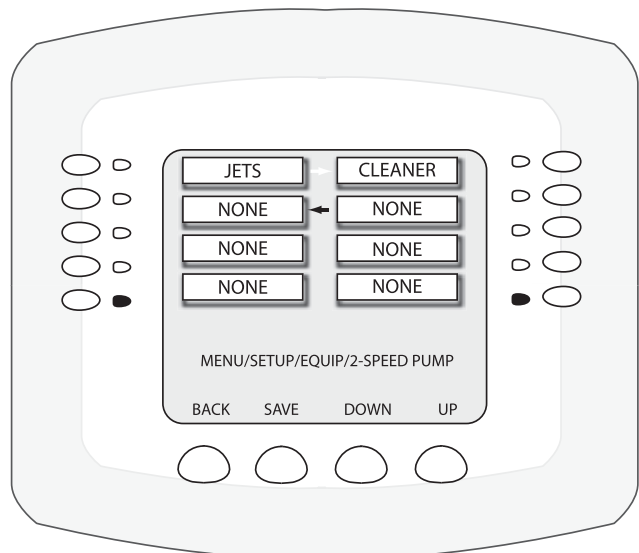4. Press the **Exit** button to return to the Main screen.

| WATER SOLAR PRESENT | YES |
| SOLAR IS A HEATPUMP | NO |

MENU/SETUP/EQUIPMENT/SOLAR

BACK   SAVE   EXIT

To set up a 2 speed pump

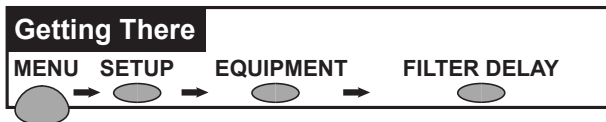| Getting There |
| --- |
| MENU → SETUP → EQUIPMENT → 2-SPEED PMP |

Go to the 2 Speed Pump screen.

1. Press the button next to a **None** label. You see a small arrow pointing to the name of that label.

JETS →	CLEANER
NONE	← NONE
NONE	NONE
NONE	NONE

MENU/SETUP/EQUIP/2-SPEED PUMP
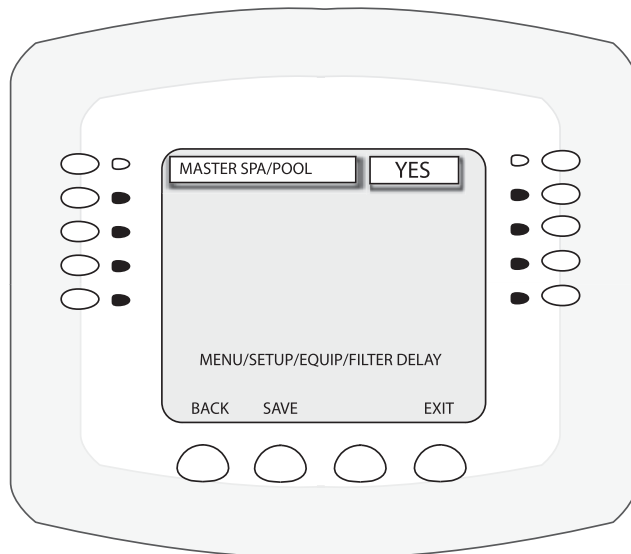
BACK   SAVE   DOWN   UP

2. Use the **Up** and **Down** buttons at the bottom of the screen to step through the alphabetical list of programmed names.

3. When you find the names you want, press the **Save** button.

4. Press the **Exit** button to return to the Main screen.

To set a cool-down cycle for the heater

Getting There

MENU   SETUP   EQUIPMENT   FILTER DELAY

Go to the Filter Delay screen.

1. Find the **Master Spa/Pool** label. Press the button next to it to change the setting to **Yes**.

2. When you are done, press the **Save** button.

3. Press the **Exit** button to return to the Main screen.

MASTER SPA/POOL   YES

MENU/SETUP/EQUIP/FILTER DELAY

BACK   SAVE   EXIT

To set automatic spa heating when the spa is manually turned on

Getting There

MENU   SETUP   EQUIPMENT   MANUAL HEAT

Go to the Manual Heat screen.

1. Find the **Spa Manual Heat** label. Press the button next to it to change the setting to **Yes**.

2. When you are done, press the **Save** button.

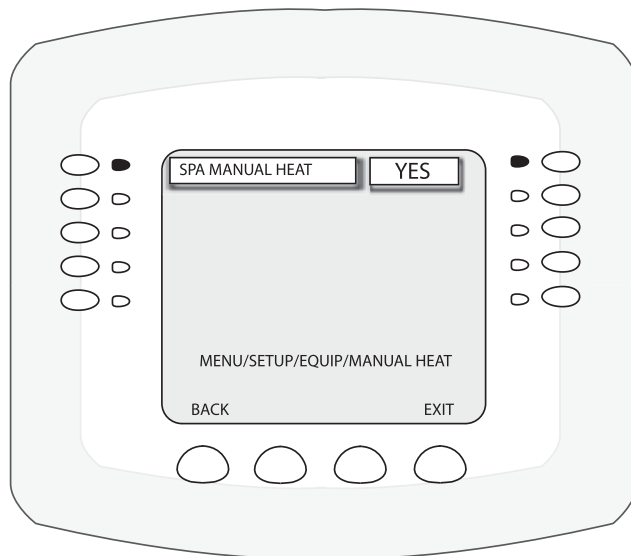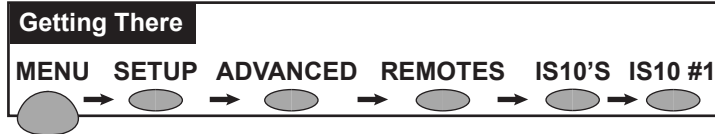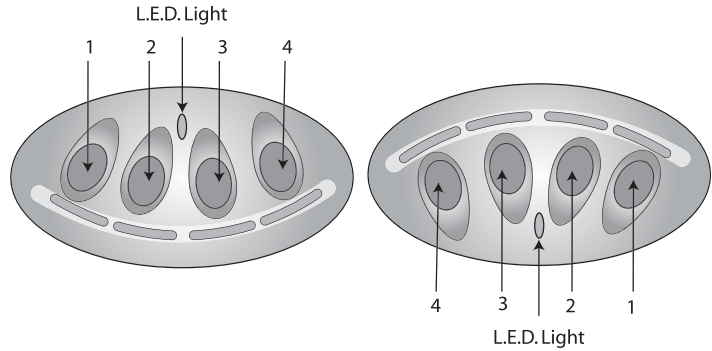3. Press the **Exit** button to return to the Main screen.

SPA MANUAL HEAT   YES

MENU/SETUP/EQUIP/MANUAL HEAT

BACK   EXIT
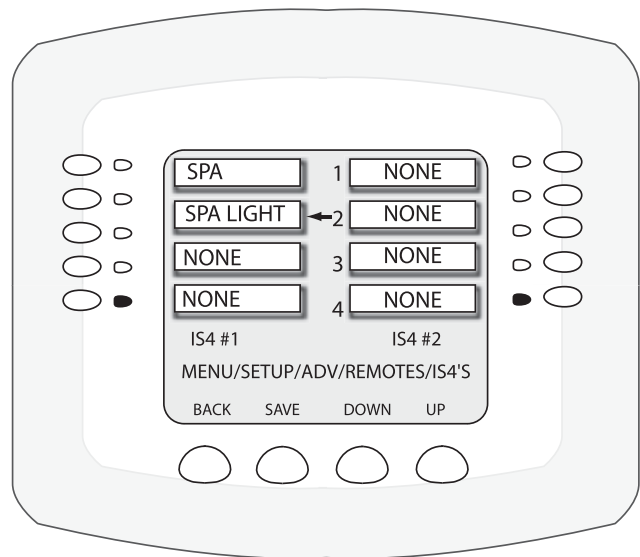
Configuring Spa-side Controls

You can configure any spa-side control to specify which button on the control activates which function.

Depending on which spa-side control is installed, you see a slightly different screen. All screens configure the same, regardless of how many buttons the control has.

L.E.D. Light

1 2 3 4

4 3 2 1

L.E.D. Light

Getting There

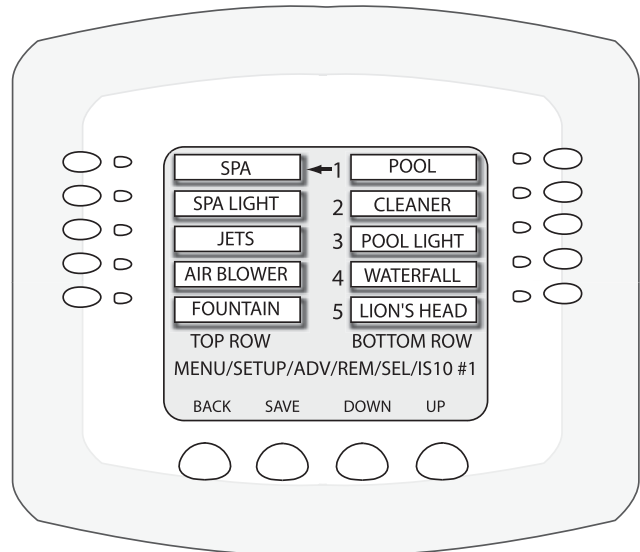**MENU   SETUP   ADVANCED   REMOTES   IS10'S   IS10 #1**

Go to the Spa Side Control Configuration screen and select the spa-side control you have.

1. On the Remote specific screen, press the button next to the circuit you want to change. You see a small arrow pointing to the name of that circuit.

2. Use the **Up** and **Down** buttons at the bottom of the screen to walk through the alphabetical list of assigned circuit names.

3. When you find the circuit you want, press the button next to another spa-side control button circuit you want to change. The small arrow moves to that label. You are done setting the first spa-side control button circuit and are ready to set the next.

4. Continue the process to assign other circuits to the spa-side control buttons.

5. When you are done assigning circuits to the buttons on the spa-side control, press the **Save** button.

6. Press the **Exit** button to return to the Main screen.

SPA	1	NONE
SPA LIGHT	←2	NONE
NONE	3	NONE
NONE	4	NONE

IS4 #1   IS4 #2

MENU/SETUP/ADV/REMOTES/IS4'S

BACK   SAVE   DOWN   UP

iS4 shown above

SPA	←1	POOL
SPA LIGHT	2	CLEANER
JETS	3	POOL LIGHT
AIR BLOWER	4	WATERFALL
FOUNTAIN	5	LION'S HEAD

TOP ROW   BOTTOM ROW

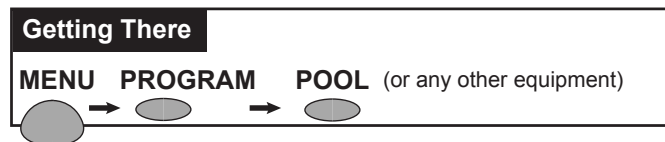MENU/SETUP/ADV/REM/SEL/IS10 #1

BACK   SAVE   DOWN   UP

iS10 shown above
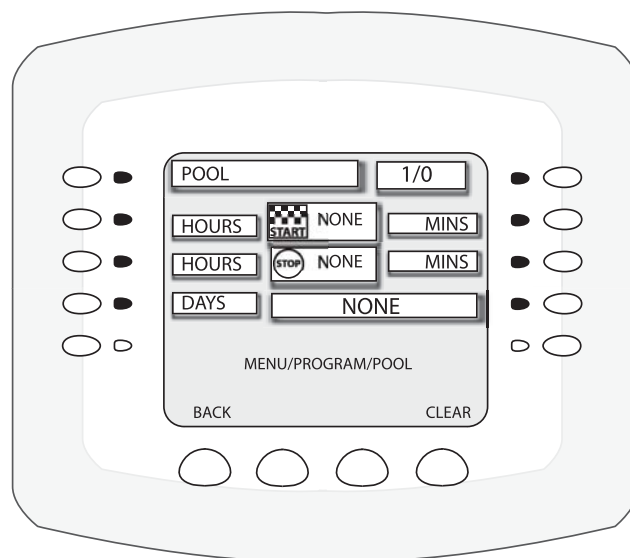
Programming Timed Circuits

You can set timers to automatically run equipment like pool filtration or lights. You can set the time the equipment turns on and off as well as the days of the week.

This section shows you how to set the timer for the pool filtration system but the process is the same for any equipment listed.

Getting There

MENU   PROGRAM   POOL   (or any other equipment)

Go to the Program Pool Timer screen.

1. To set the start time, find the top **Hours** label. Press the left button to change the hour. Press the right button to change the minutes.

2. To set the stop time, find the bottom **Hours** label. Press the left button to change the hour. Press the right button to change the minutes.

3. If you want the timer to work only on certain days, find the **Days** label. Press either button next to the label. You see a screen with the days of the week listed. The LEDs next to each day name are lit.

    • To turn off a day, press the button next to the day name you don't want. The light turns off. To set all days to on, leave all the LEDs lit.

4. When the day names you want are lit, press **Save**.

5. When you are done, press the **Save** button.

6. Press the **Exit** button to return to the Main screen.

Other Available Equipment

Other equipment can be installed or set up, such as setting up Swimming Colors™, setting Feature Circuits™, macros to combine circuits, setting a remote control that works by phone, and much more.

For more information about setting up these features, refer to the Set up and Programming Manual.

LIST OF CIRCUIT NAMES IN THE INTELLITOUCH SOFTWARE

AERATOR	JETS	USER NAME 01 _____
AIR BLOWER	LIGHTS	USER NAME 02 _____
AUX 1	LOW SPEED	USER NAME 03 _____
AUX 2	LOW TEMP	USER NAME 04 _____
AUX 3	MALIBU LTS	USER NAME 05 _____
AUX 4	MIST	USER NAME 06 _____
AUX 5	MOTOR VALVE	USER NAME 07 _____
AUX 6	MUSIC	USER NAME 08 _____
AUX 7	(NOT USED)	USER NAME 09 _____
AUX 8	OZONATOR	USER NAME 10 _____
AUX 9	PATH LIGHTS	USER NAME 11 _____
AUX 10	PATIO LTS	USER NAME 12 _____
BACKWASH	PERIMETER L	USER NAME 13 _____
BACK LIGHT	PG2000	USER NAME 14 _____
BBQ LIGHT	POND LIGHT	USER NAME 15 _____
BEACH LIGHT	POND PUMP	USER NAME 16 _____
BENCH	POOL	USER NAME 17 _____
BLOWER	POOL HIGH	USER NAME 18 _____
BOOSTER PUMP	POOL LIGHT	USER NAME 19 _____
BUG LIGHT	POOL LOW	USER NAME 20 _____
CABANA LTS	POOL SAM	
CHEM. FEEDER	POOL SAM 1	
CHLORINATOR	POOL SAM 2	
CLEANER	POOL SAM 3	
COLOR WHEEL	SECURITY LT	
DECK LIGHT	SLIDE	
DRAIN LINE	SOLAR	
DRIVE LIGHT	SPA	
EDGE PUMP	SPA HIGH	
ENTRY LIGHT	SPA LIGHT	
FAN	SPA LOW	
FIBER OPTIC	SPA SAL	
FIBERWORKS	SPA SAM	
FILL LINE	SPA WTRFLL	
FLOOR CLNR	SPILLWAY	
FOGGER	SPRINKLERS	
FOUNTAIN	STREAM	
FOUNTAIN 1	STATUE LT	
FOUNTAIN 2	SWIM JETS	
FOUNTAIN 3	WTR FEATURE	
FOUNTAINS	WTR FEAT LT	
FRONT LIGHT	WATERFALL	
GARDEN LTS	WATERFALL 1	
GAZEBO LTS	WATERFALL 2	
HIGH SPEED	WATERFALL 3	
HIGH TEMP	WHIRLPOOL	
HOUSE LIGHT	WTRFL LGHT	
	YARD LIGHT	