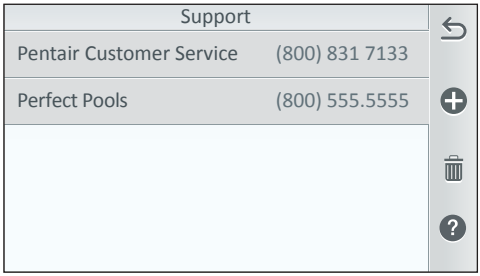
Support

The Support screen displays customer support contact information. Enter the pool service company contact information and the pool sales contact information. Also, you can upload a scanned image of a company business card or a company logo to display with the contact information.



Support screen: Displays contact name and Phone Number. Tap the Contact Name to display name, phone, E-mail and URL information.

Tap + to add a contact.

Delete a Contact: Tap the Trash Bin, tap the contact to delete, then tap Check and Yes to delete contact.



Support screen: Displays contact name, phone, E-mail and URL information.



To Add a Contact: Tap **+** on the Support screen to Enter Contact Name. Tap **Checkmark** to save contact name or X to exit without saving the information.

To edit contact information: Tap the contact name on the Support screen. Tap Edit to access the contact information. Edit the Name, Phone, E-mail and URL information. Tap the Return to return to the Support screen.

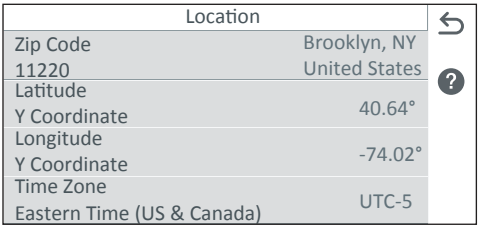


Import Logo: To load an image (JPG, GIF and PNG), insert USB device into USB port on IntelliCenter® Control System Outdoor Control Panel, Indoor Control Panel, or Wireless Remote and Tap **OK**. Follow the screen instructions.

General

Location - page 40
Date & Time - page 40
Units - page 41
Features and Lights List Order - page 41
Backlight - page 42
Temperature Sensor Calibration - page 43
Day / Night Themes - page 44
Manual Operation Priority - page 44
Manual Heat - page 44
Chemistry Readings Badge - page 44
Show Badge Colors - page 44

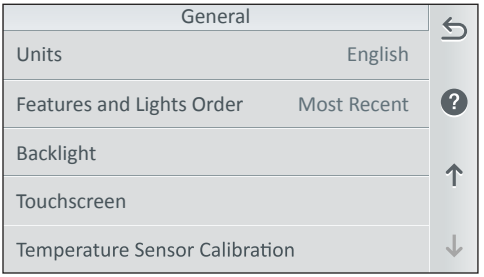
Location (General)



Note: If you do not enter a Zip Code, you have to manually enter the Longitude/ Latitude coordinates for your location.

Location: The US Zip code, Latitude, and Longitude coordinates and Time Zone information will automatically populate via a Broadband Internet connection. You can also enter the information manually.

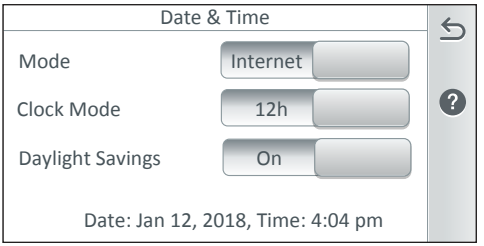
To enter information manually, tap the Location then Zip Code to enter your Zip code for your location. Tap Check to save. The US Zip code information will automatically populate the Latitude and Longitude coordinates and Time Zone via a Broadband Internet connection.



Time Zone (UTC): Use the - and + button to set your time zone if no Internet connect is available. UTC–05:00 (Brooklyn New York) is a time offset that subtracts five hours from Coordinated Universal Time (UTC). In North America, it is observed in the Eastern Time Zone during standard time, and in the Central Time Zone during the other eight months (see Daylight saving time). The western Caribbean uses it year round.

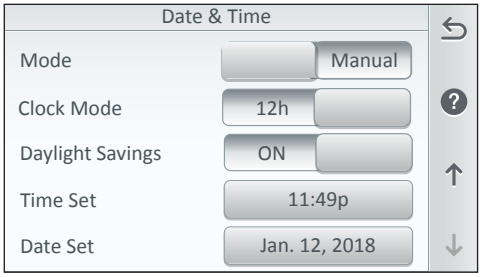
Note: Time and date synchronization for all systems may take a few minutes.

Date & Time (General)



Date & Time: The displayed date and time on the General screen is synchronized with the Internet connection time. If needed. Tap Date & Time to manually change the IntelliCenter Control System clocks, including the Outdoor, Indoor, and Wireless Remotes. If the PC time and date do not match the time and date displayed on the Home screen, you need to reset the PC time and date to the time and date set in IntelliCenter Control System.

Date & Time (Continued) (General)



Mode: Manual: Date and time is manually entered. **Internet:** Date and time retrieved from the Internet.

Time Set: Manually set IntelliCenter system time, am/pm. If the system is connected to the Internet, resetting the system date will override the Internet time.

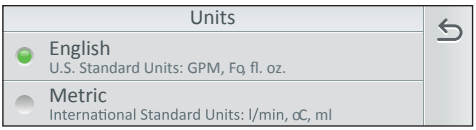
Date Set: Manually set IntelliCenter system date. If the system is connected to the Internet, resetting the system date will override the Internet date.

Offset (min/month): Sets the month offset from 0 to 120 (e.g. leap years).

Clock Mode: Select either a 12-hour or 24-hour clock.

Daylight Savings: Set to ON will adjust the time automatically for the region you are located in. Offset (min/month): Sets the month offset from 0 to 120 (e.g. leap years).

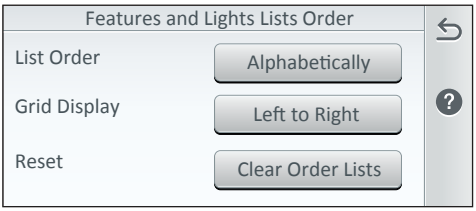
Units (General)



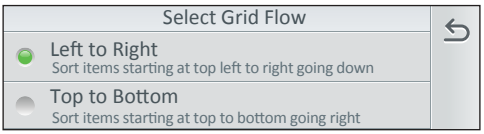
Units: Sets the system units of measure to English or Metric.

Features & Lights Order (General)

Use this feature to define the order of the circuits displayed on the Features and Lights screens. For example, the order of the named circuits can be displayed alphabetically (up and down) or left to right.



List Order (User Define): Tap List Order and select the list order: Alphabetically (Default): Sort in ascending name order.
Most Recent: Sorted in descending from most recently used.
Most Frequent: Sorted in descending from most frequently used.
Custom Order: User defined order.

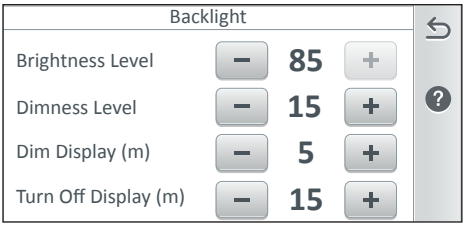


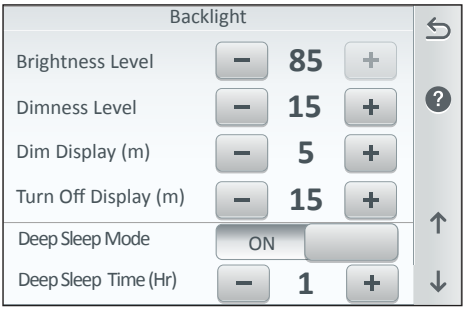
Grid Display: Select Left to Right (Default) or Top to Bottom.

Set Grid Flow: Select Left to Right or Top to Bottom.

Reset: Tap Clear Order Lists to reset the List order and Grid Display to default settings.

Backlight (General)





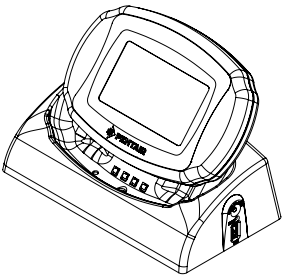
Back Light: Brightness Level: Adjust the screen brightness level from 33 to 100%.

Dimness Level: Adjust the contrast level from 10 to 100%.

Dim Display (min): While in other screens, sets the time to return to the Home screen (from 0 to 240 minutes (20 hrs).

Turn Off Display (min): Set the time to turn off the screen from 0 to 240 minutes (20 hrs). Note: The time set to turn off the screen also affects the start time of the Deep Sleep feature, see below for more information. ***Also see*** **Day/Night Theme Selection Settings > Advanced System Configuration > General > Day/Night Theme, page 44.**

Wireless Remote only:



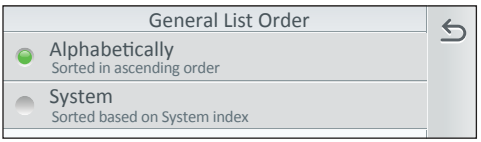
Battery Conservation Mode (Deep Sleep): Tap Deep Sleep Mode to turn on this feature. The default setting is ON. This feature allows you to save the battery life while the Wireless Remote is in its cradle.

Deep Sleep (Hr): Deep Sleep time can be set from 1 to 3 hours (Default 3 hrs). Select when you want the device to go to sleep to conserve battery life.

Example: While device is of its cradle: Go to Settings > General> Backlight. Tap On to turn on Deep Sleep. The default setting is (ON). The Deep Sleep time is set for three hours. The device will go in to Deep Sleep after the screen goes black which will start **after** current time set in the **Turn Off Display** feature. The device is now in save battery mode. The device is still responsive up to an hour, so you can still use the device. This will stop Deep Sleep mode, then the Backlight settings are in effect.

General List Order

Any screen where there is a list can be displayed alphabetically or based on the system definition (default).

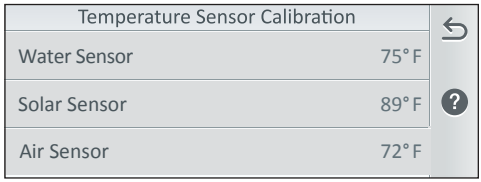


Select List Order: Sort Alphabetically, Most Recent, Most Frequent or Custom Order.

Temperature Sensor Calibration (General)

Temperature Sensor Calibration: Lists the installed sensors. The current sensor temperature is displayed. Tap sensor name bar to access Sensor Calibration screen.

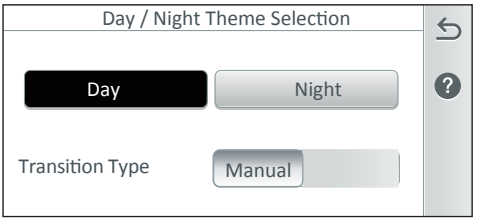
Sensor Calibration: Adjust the sensor temperature value. Use Up/Down arrow to Increase or decrease temperature value compared to actual reading. Tap Check mark to save setting. Tap X to exit without saving setting.



Temperature Sensor Calibration Procedure: Before you start, you need an accurate all weather thermometer. Calibrate the air sensor in the shade. The Home screen displays the Pool, Spa Water Temp and Air Temp setting. Calibrate the Spa and Pool temperatures the same way as described below for Water and Air temperature sensor. Be sure the air temperature sensor is located in the shade for accurate readings. To calibrate the air, pool and spa sensors:

1. First, tap the Pool or Spa button on the Temperature Sensor Calibration screen to switch on the spa or pool filter pump.
2. Tap Pool Sensor to start the pool calibration.
3. Place the thermometer in the spa or pool. Take an accurate temperature reading. When calibrating the air sensor, place the thermometer next to the air sensor. The sensor is normally located near or under the Load Center or Power Center enclosure, not inside the enclosure. Take an accurate temperature reading in the shade.
4. On the Calibrate Sensors screen, use the Up or Down buttons to raise or lower the Air, Pool and Spa temperature to match the corresponding thermometer temperature reading.
5. Press the OK Calibration button when done.

Day / Night Theme Selection (General)



Day/Night Theme Selection:
Select either Day or Night screen contrast levels.

Day: In Day mode the LCD screen uses a white background for normal day light viewing.

Night: Select Night mode for low light conditions. This mode uses a black back ground with white text.

Transition Type:

- **Manual:** Allows you to manually select either Day or Night Theme modes.
- **Auto:** This option will automatically transition between Day and Night screen mode based on the 24 hour system clock.

Manual Operation Priority (General)

Manual OP Priority: ON: This feature allows for a circuit to be manually switched OFF and switched ON within a scheduled program, the circuit will continue to run for a maximum of 12 hours or whatever that circuit Egg Timer is set to (see page 56), after which the scheduled program will resume. This feature will turn off any scheduled program to allow manual pump override.
The Default setting is OFF.

Manual Heat (General)

Manual Heat: ON (Default OFF): If a GAS heater is configured for the Spa, but the Heat Source is set to OFF in the Spa screen, enabling this option will result in the heater being temporarily enabled whenever the body is manually turned on.
For more information, see 9 and 12.

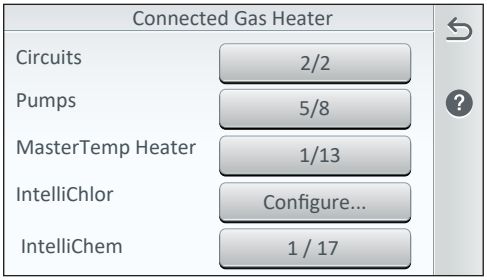
Show/Hide Chemistry Readings Badges (General)

Show Chemistry Readings Badges (ON/OFF): Change this setting to ON or OFF to show or hide the pH and OPR readings badge (if an IntelliChem Controller is being used). The Default setting is OFF.

Show Badge Colors (ON/OFF) (General)

Badge Colors (ON/OFF): Change this setting to ON or OFF to show or hide the Pool and Spa color badges (Yellow (Delays), Blue (manual enabled filter pump circuits). The Default setting is ON. The badges are displayed on the Home screen Pool and Spa icons.

Alerts & Warnings (Status - Settings)

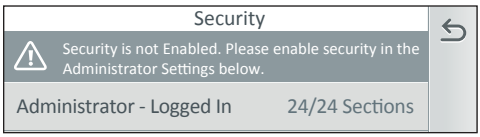


Alerts & Warnings Shown in Status: Displays a Badge icon on the Status Home screen icon for selected items show on this screen. ***See page 33.***

Configure: Tap **Configure** to display selectable items. From the Select Shown in Status screen, tap on items or **Select ALL** items to shown on the Home screen Status icon. If Configure is displayed on the option button, Alerts & Warnings Status Badge will not be displayed.

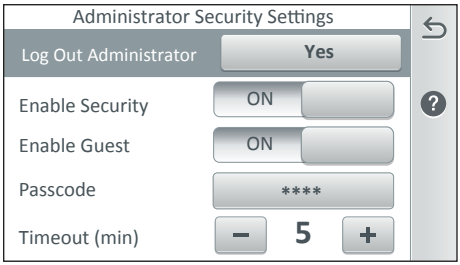
Circuits (2/2): Select 2 status conditions: Valves delay and heater cool down.
Pumps (8/8): Select up to 8 common pump and filter warnings and alarms.
Connected Heater: MasterTemp and Max-E-Therm (1-13) : Select 13 status conditions: Water Pressure, Stack Flu Sensor alarm, High Water Temp., Lost Communication and more. **Hybrid Heater (22/22):** Select 22 status conditions: Air flow switch, temperature status, condensate filter, freeze and more.
Chemistry IntelliChlor (6/6): Select up to six common SCG warnings and alarms.
Chemistry IntelliChem(17/17): Select up to 17 common Chemical Controller related warnings, errors, alarms and more.

Security (Settings)





Enable Security (ON): (Admin only): Tap Administrator then tap **ON** to Enable Security. Enter a Passcode for the Administrator. To log out the Administrator, tap Administrator and Yes.



Log Out Administrator (Yes - No Passcode required): Tap Log Out Administrator to log out of the system and return to the Home screen.

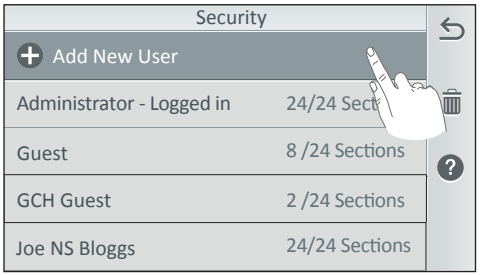
Enable Administrator Security (ON/OFF): Tap ON to Enable Administrator Security. Tap OFF to disable Administrator Security (no Administrator or Guest passcode required to access the system).

Enable Guest: ON: The Administrator assigns a **Guest** access to the system without a passcode. From the Security screen, tap **Guest**, then tap **Can Access** and select the system Sections that the Guest has access to.

Passcode (****): Displays the current 4-digit admin passcode. Tap the Passcode button to change the Passcode.

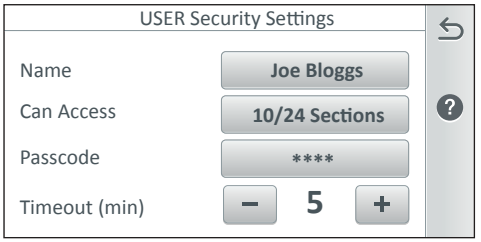
Timeout (min): Tap the **plus or minus** button to set the screen elapse time (1-10 minutes) before a screen message is displayed for the passcode. ***Note: A padlock icon displayed on the Home screen (top right) indicates there is an Administrator logged in (passcode assigned to the system).***

Security (Settings)



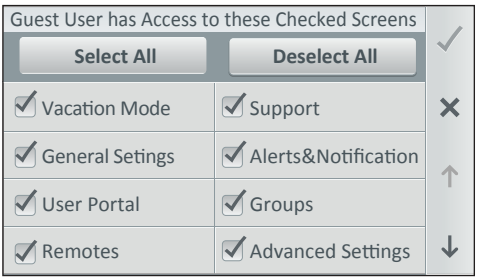
Security: This screen shows the Administrator is logged in, and lists Guests assigned by the Administrator and their allowable system Sections. 0/24 Sections indicates no access to the system.

Administrator Log out: Tap Administrator to enable or disable the system security. To log out the Administrator, tap Yes.



User List: Tap a name to display the User Security Settings screen: Change the user name, passcode, access to sections and timeout setting.

Add New User (Admin only): Tap Add New User, enter the new user's name. Select up to 24 sections that the user has access to. Up to 10 users can be assigned access to the sections. Tap Check to save the name and return to the previous screen. Note: Tap Guest to access the Guest Security Settings screen to allow the Guest to access 0 to 24 system settings.



Delete Guests: Tap the Trash icon and select the Guest(s) to delete from the Security screen.

Can Access: Tap this button and select the system sections that the guest has access to.

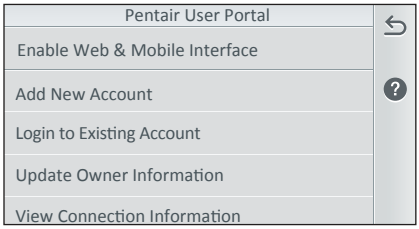
Select All: Tap Select All to select all of the system functions listed, or select individual selections. Tap Check to save selections. Tap X to exit without saving changes.

Deselect All: Tap Deselect to deselect all of the system functions selections in the list.

Passcode (****): Displays the current 4-digit Guest passcode. Tap the Passcode button to change the Passcode. **Timeout (min):** Tap plus or minus button to set the screen elapse time (1-10 minutes) before a screen message is displayed for the passcode.

A padlock icon displayed on the Home screen (top right) indicates there is an Administrator logged in (passcode assigned to the system).
If the incorrect Passcode is entered multiple times, the Access Denied screen is displayed. This screen will time out for 60 seconds. After 60 seconds has elapsed, tap OK to enter the correct Passcode.

Pentair User Portal (Settings)



Web and Mobile Interface: Tap to access the Web and Mobile Interface screen. The default setting for Web Interface is ON. This enables the Web App and Mobile Interface which allows local network and Internet communications to your home network. To disable Web based and mobile interface, set to OFF.

Add New Account: Enter the owner's information, Email Address, Property Name, Password. The system will attempt to connect to the owner's account Email address (via the Internet) to www.**intellicenter2.com.**

Connecting to your pool using the Web App: Go to www.intellicenter2.com and sign in using the pool owner's user email address. Select your pool listed on the Installations screen to display the Home screen.

Login to Existing Account (www.intellicenter2.com): Enter email address and password. The system will attempt to connect to the owner's account Email address via the Internet connection.

Update Owner Information: Edit owner information: Property Name, Name of Owner, Address, City, State, Zip Code, County, Time Zone, Phone number, Email. Location information is populated when entered in General > Location , Date & Time. **See page 40.**

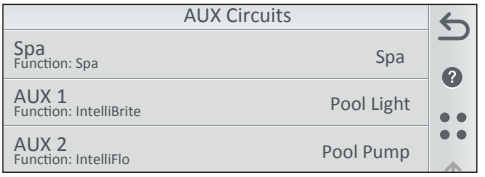
View Connection Information: View server connection information: Last messages received, total number of server connects.

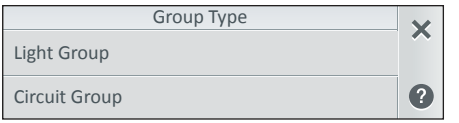
Add a new Account

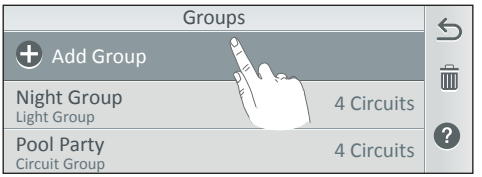
1. Tap **Enable Web & Mobile Interface**. Change the toggle to **ON** and tap the Return arrow. Tap **Add New Account**. Tap **Property Name** and enter the name of the property, and tap the Checkmark. Tap **Email** and enter the users E-mail address, and tap the Checkmark. Tap the Checkmark to go to the next screen.
2. The users E-mail address should be shown on the first button. If it is not shown, tap the button and add it as described in the steps above. Tap **Enter Password** and enter a Password, then tap the checkmark. Note: The password should have a least one uppercase letter. Tap the Re-Enter Password button and retype the password, and tap the Checkmark. Tap the Checkmark to complete the process. Once the account setup is complete, return to the home screen and wait for the Pentair logo to appear.

Groups (Circuits) (Settings > Groups)

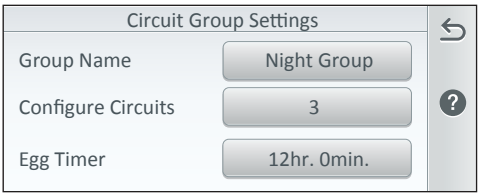
The Groups feature allows multiple Light circuits and AUX circuits to be grouped together and assigned to one ON/OFF button that is displayed on the Home screen Lights Groups screen. Up to 40 groups of light circuits and AUX circuits can be assigned.
To access the **Add Group (GROUPS)** page: Tap **Settings > Groups or tap the 4-Dots on the AUX Circuits page.**





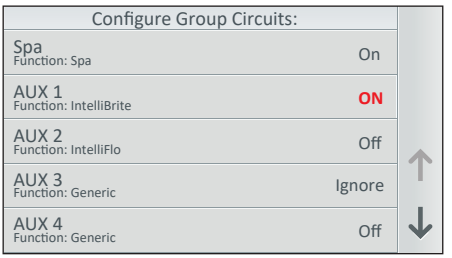


+Add Group (Circuits): Tap Add Group, and select either Circuits Group.
Circuits (Group Settings):
Group Name: Tap the name button to access the keyboard. Enter a name for the group of circuits.
Configure Circuits: Tap Configure Circuits to access the available circuits.
Note: The circuits displayed depend on the model of the Personality Card installed. Light circuits (AUX circuits) are assigned in the AUX circuits screen.



Egg Timer: Tap the Egg Timer button to display the Hours and Minutes button. Tap the Hours and Minutes button to select a manual timeout for the circuit. The Egg Time is a specified time delay for the circuit, once it is turned on manually. **Don't Stop:** Tap the Hours button until 23 hours is displayed, then tap the button again to display **Do Not Stop**. The Do Not Stop feature will continuously run the circuit until the it is manually turned off.

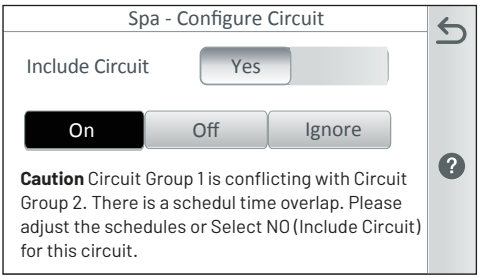
From the AUX Circuits (4 Dots Icon), you can also create a group of light circuits and AUX Circuits. Go to **Advanced System Configuration > Installation Setup > Circuits > AUX Circuit (page 56) and Feature Circuits (page 58).**



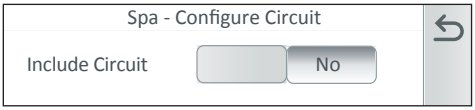
Configure Circuits: Tap Configure Circuits to access the circuits in the selected group. **Tap the name of the circuit to access the settings for the circuit.**
Note: The circuits displayed depend on the model of the Personality Card installed. Light circuits (AUX circuits) are assigned in the AUX circuits screen.

Each Circuit within a circuit group can be configured as **ON, OFF or IGNORE**. If On, Off or Ignore is indicated in **ORANGE** for a circuit, this indicates a possible schedule time overlap could occur. In this case, the last schedule created will take effect.

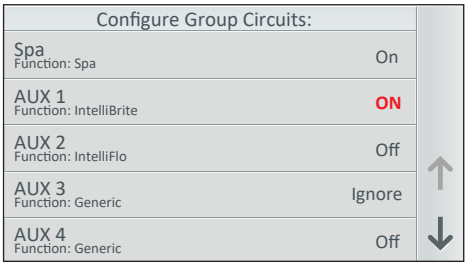
Groups (Circuits) Continued



Included Circuits: Yes/No: Include or exclude this circuit in the selected Circuit Group.
ON: When the Circuit Group turns ON, the individual circuits will be set to the state in which it's configured (ON).
OFF: Turns the circuit OFF in the group.
IGNORE: The Circuit Group is included in the group regardless of the On/Off state.
Return: Return to the previous page.



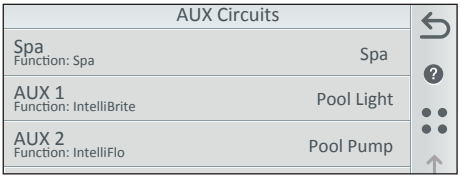
Example 1: If AUX1 in the circuit group is currently running on schedule, and AUX 1 in the circuit group is set to OFF, then AUX 1 would turn OFF during the duration of the Circuit Group being active.
Example 2: If AUX1 in the circuit group is currently running on schedule, AUX1 in the group is set to OFF, if the amount of time the group has run is less that the total time of the schedule, then when the group is turned OFF, AUX1 will turn back ON.
Example 3: A possible circuit schedule time overlap could conflict if more than one Circuit Group has AUX1 set to is ON, In this case, the last schedule to go ON has priority and will take effective. The AUX circuit in conflict is indicated in ORANGE for the individual circuits in both circuits groups.



A group of AUX Circuits or Light Circuits can be switched ON/OFF from one button in the Features/Groups screen, and the Lights/Groups screen.

Groups (Lights) (Settings)

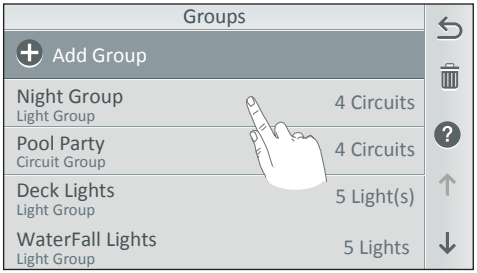
Use the Light Groups feature to group multiple light circuits together and assign them to one ON/OFF button on the **Home screen Features Groups screen**. Groups of circuits are displayed on the Lights screen (page 14), and Lights Groups (page 16).



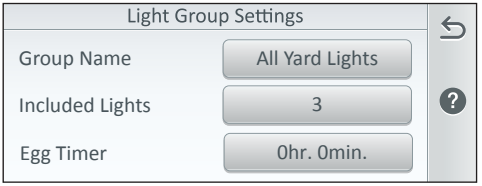
To access the **Add Group (GROUPS)** page: Tap **Settings > Groups or tap the 4-Dots on the AUX Circuits page. +Add Group (Lights):** Tap Add Group, and select the Lights Group and enter a name for the light group. Tap Check to save and continue to the Lights Group Settings page. Tap the group name in the Groups list.

A group of light circuits or AUX circuits can be turned ON/OFF from one button in the Features (Circuits), Lights (circuits) screen on the Home screen. **See page** 14.

Groups (Lights) (Settings) Continued







Included Lights: Tap the Included Lights button to access the available light AUX circuits. The displayed light circuits depend on the model of the Personality Card installed. AUX circuits are assigned in the AUX circuits screen. **For more information, see, Advanced System Configuration > Installation Setup > Circuits > AUX Circuit - OCP 0 or Feature Circuits, see page 56.**

Egg Timer: Tap the Egg Timer button to display the Hours and Minutes button. Tap the Hours and Minutes button to select a manual time-out from 0 to 23 hrs. 59 mins. for the circuit. The Egg Time is a specified time delay (hrs/mins) for the circuit, once it is turned on.

Dont Stop: Tap the Hours button until 23 hours is displayed, then tap the button again to display **Do Not Stop**. The Do Not Stop feature will continuously run the circuit until the it is manually turned off.

Nested Groups: If necessary, you can create a Group of circuits within another Group of circuits, as long as they are from the same group of Lights, or AUX Circuits.

Delete Groups: Tap the Trash icon; check the desired Groups to delete. Tap Yes to delete.



Color Settings: Tap this button to display the assigned light circuits and the current delay time and selected light color.

The Color Swim feature synchronizes any IntelliBrite or Landscape color lights. The color swim effect starts from the first light, then the color change is delayed across to the adjacent lights creating a wave delay effect. For more information about light features, see Circuit Function in Advanced System configuration > Installation Setup > AUX Circuits > AUX Settings (Circuit Function). See page 56.

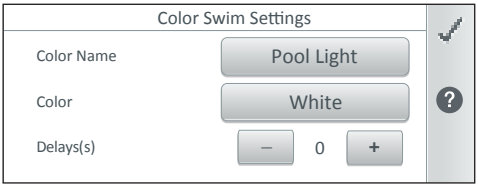


Groups (Feature Circuits (Generic or Spillway) (Settings)



Select Circuit to Edit: Tap any of the lights displayed to change the current light color and delay time (from 0 to 60 seconds). Color options are: White, Light Green Green, Cyan, Blue, Lavender, Magenta and Light Magenta.

Color Name: The name of the light is assigned in the circuits screen. See **See page 56.**



Color: Tap the Color button to display the Select Swim Color screen. Select a different color for the light from the list.

Delays(s): Tap the - /+ button to set the delay for the light from 0 to 60 seconds.

Delete Circuits: Tap Feature Circuits, tap the Trash icon, select the circuit(s) to delete, then tap X to delete the circuit(s) and exit to the previous screen.

Feature Circuits Overview
Up to 32 individual Feature Circuits can be configured to combine various circuits together to a single ON/OFF button to turn on or off at one time. For example, you can create a Feature Circuit to turn on the spa, spa light, fountain, and fountain light, and patio lights all from one button in the Feature screen (Home screen). Feature Circuits can be setup to control equipment which is not controlled by an AUX circuit such as pumps and lights. Use Feature Circuits to control multiple valve actuators, a dual speed pump (turn on high speed), or a spa spillway effect (in a pool spa combination, all of the pool water can be diverted to the spa then spill back into the pool). To create a Feature Circuit, first assign the Feature Circuit a name, then assign the circuit a function (Circuit Function).

Restore Factory Defaults: Use this feature to overwrite the system configuration with the default factory settings. Follow the screen prompts.

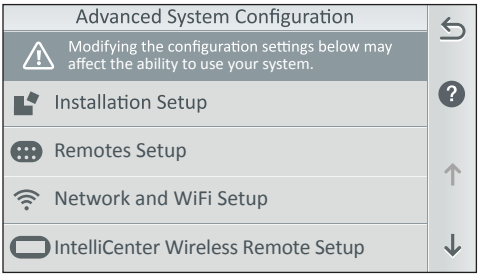
Guest Security Settings: Displays the guest user(s) that have been assigned a passcode and access to system sections (0 to 24).
Tap 0 /24 Selections to access the next screen to allow the Guest to access 0 to 24 system settings.

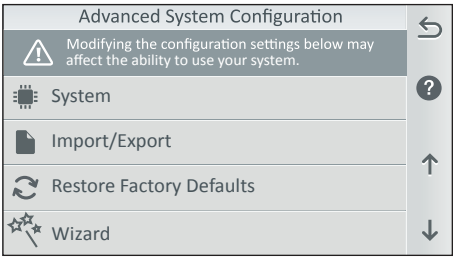
System Reboot (Settings)

Tap the System Reboot button to reset the system. Immediately after tapping System Reboot a message is displayed to confirm that you wish to reset the system. If you want to stop the system reset, there is a five second delay in which you can cancel the system reset.

Advanced System Configuration (Settings)

The Advanced System Configuration settings may affect pool and spa operation. Before making changes be sure you have the latest system settings backed up to a memory stick, see Settings > Advanced System Configuration > System. See page 89 for details.





Installation Setup: Configure the IntelliCenter system. Body Configuration (page 53). Circuits (page 56), Pumps (page 62), Heaters (page 72), Valves (page 77) , Chemistry (page 79).

Remotes Setup: Add Spa-Side Remote: Select Spa Command, iS4, iS10, or QuickTouch Spa-Side Remote. See page 81.

Network and Wireless Setup: Configure wireless network (SSID, Ethernet). Wireless Remote Setup: Configure Ethernet, Connect to a Wireless Network, Test Internet Connection and Reboot Wireless Device. See page 85.

IntelliCenter Wireless Remote Setup: Set up a wireless remote. See page 87.

Delays: Valve delay settings, Heater Cool Down ON/OFF, Freeze cycle time, Spa Freeze override settings. See page 88.

System: System Information, Detected Hardware, Firmware update. Seepage 89.

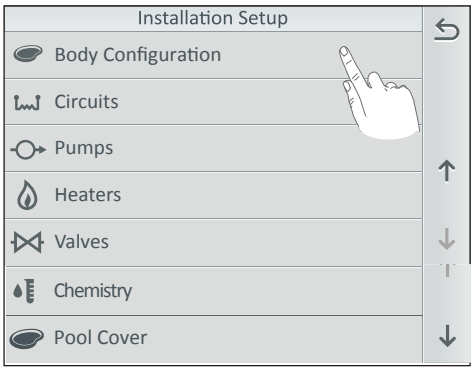
Import / Export: Import System Configuration, Export System Configuration, Export Status Logs, Export Historical Data, Export Debug Data. See page 90.

Restore Factory Defaults: Overwrite the current system configuration with the default factory settings. Follow the screen prompts. See page 92.

Setup Wizard: Configure the system using the step-by-step setup wizard assistant. See page **93.**

Advanced System Configuration (Installation Setup)

Installation Setup: From the Installation Setup screen you can setup pool/spa equipment for the each body of water (pool/spa).



Circuits: Setup the system auxiliary circuits (AUX), **see page 56.**

Pumps: Setup circuits for pumps, **see page 62.**

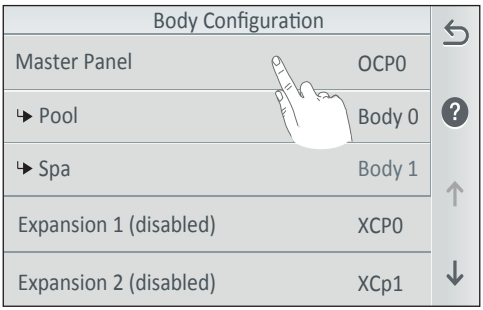
Heaters: Setup circuits for heaters and heat source, **see page 72.**

Valves: Setup circuits for system valves, **see page 77.**

Chemistry: Enable Chemical Controller or Salt Chlorine Generator, **see page 79.**

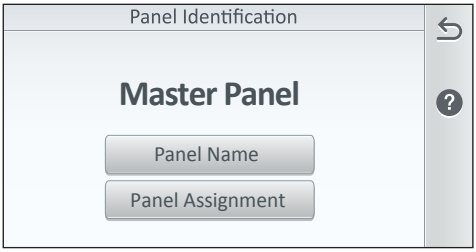
Pool Cover: Setup Pool Cover circuit settings, **see page 80.**

Body Configuration: Configure IntelliCenter Personality Cards, (Main Panel (OCP0), Expansion enclosures 1, 2, and 3), and the body of water capacity for the pool and spa.



Master Panel (Panel Identification) (OCP 0): Tap Master Panel to display the Panel Identification screen.

Expansion 1, 2, and 3 (see page 55):
A maximum number of three expansion enclosures can be connected via RS-485 to the Master Panel (Main Control Board). **See page 110 for more information about IntelliCenter configurations.**

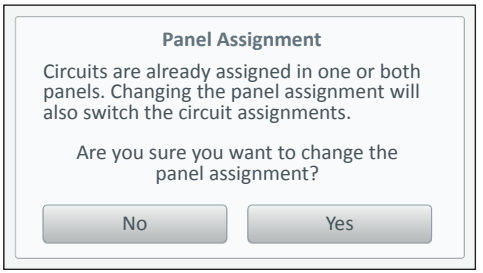


Panel Identification (Master Panel):
Panel Name: Tap Panel Name and enter the panel name for the main Master Panel. Tap Check to save.

Panel Assignment: Tap Panel Assignment to reassign circuits to another panel. Tap Check to save.

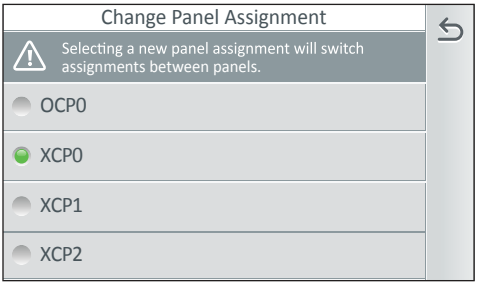
Advanced System Configuration (Installation Setup)

Panel Identification (Master Panel) (Continued)



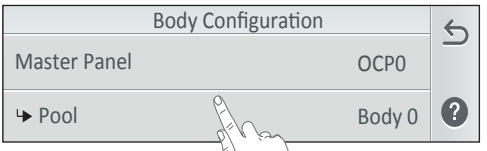
Panel Assignment: Tap Yes to change the panel assignment.

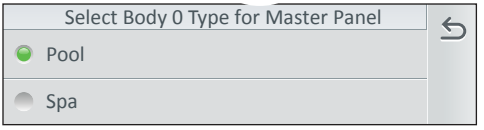
Show Identifier in Other Panels: Tap to select other installed panel to display in other panel screen. Tap Check to save.



Change Panel Assignment: To change the panel assignment, tap on the panel name. Tap Check to save and return to the previous screen.

Pool (Body 0) - For Pool and Spa combination (shared equipment).





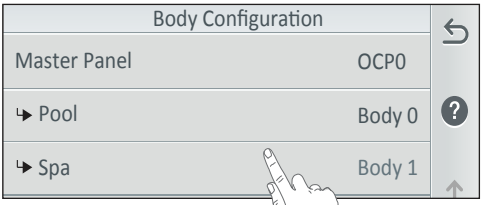
Pool (Body 0 Settings): From this screen you can reassign the body type/*, name and capacity.

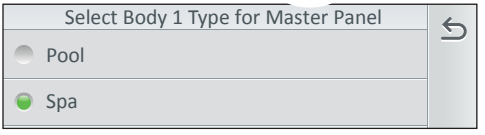
Body Type: Reassign the body type. Choose either Pool or Spa. Tap Return to return to the previous screen.

Body Name: Enter the body name.

Body capacity: Enter the capacity of the body of water from 1,000 - 150,000 gallons.

Spa (Body 1) -For Pool and Spa combination (shared equipment).





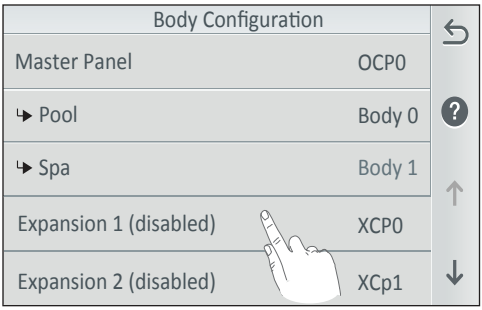
Spa (Body 1 Settings): From this screen you can reassign the body type, name and capacity.

Body Type: Reassign the body type. Choose either Pool or Spa. Tap Return to return to the previous screen.

Body Name: Enter the body name.

Body capacity: Enter the capacity of the body of water from 1000 - 40,000 gallons (US gallons/liters).

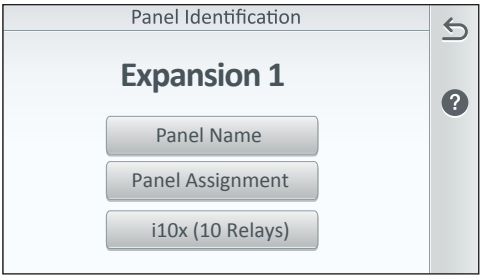
Installation [Body Configuration]



Expansion 1 (disabled) (XCP0)

Expansion 2 (disabled) (XCP0): For Pool and Spa combination (shared equipment).

Expansion 3 (disabled) (XCP0): For Pool and Spa combination (shared equipment).





Panel Identification (Expansion 1, 2, and 3):

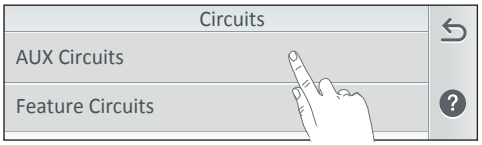
Panel Name: Tap Panel Name and enter the panel name for the Expansion 1 enclosure. Tap Check to save.

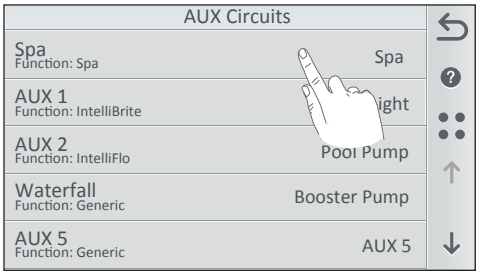
Panel Assignment: Tap Panel Assignment to Disable or Enable the Expansion Panel. Tap Check to save.

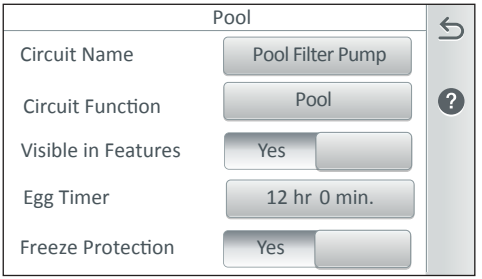
Expansion Panel Daughter card - i10x (10 Relays): This button displays the Daughter Card attached to the main Personality Card (if available) installed in Expansion enclosure number 1. Tap this button to enable an additional Daughter Card connected to the main Personality board (in this example i10x (10 Relays). Tap the Expansion Panel Daughter Card button to enable the card (Green light on).

See page 110 for more information about IntelliCenter system configurations.

Circuits







AUX Circuits: Tap AUX Circuits to display the available AUX circuits to assign a function.

Create individual (AUX) Circuits or Group of Circuits (4 Dots Icon): Tap this icon on right side of the screen to create Groups of circuits. **Note: For more about Groups (in Settings), see page 48.**

Circuit Name: Select one of the displayed circuit names and tap Check to save. **For a complete list of Circuit Names see page 61.** To customize a circuit name, tap on the keyboard icon on the right side of the screen and enter the new name.

Circuit Function: Assign the circuit function. For a complete list of Circuit Functions, **see page 60.**

Visible in Features (Lights and Generic Circuits only): Select ON to display this circuit in the Home, Features screen, **see page 8.**

Freeze Protection: Assign freeze protection for this circuit. **See page 59 for details.**

Egg Timer: Tap the Egg Timer button to display the Hours and Minutes button. Tap the Hours and Minutes button to select a manual timeout for the circuit. The Egg Time is a specified time delay (hrs/mins) for the circuit, once it is turned on manually.
Don't Stop: Tap the Hours button until 23 hours is displayed, then tap the button again to display **Do Not Stop**. The Do Not Stop feature will continuously run the circuit until the it is manually turned off.

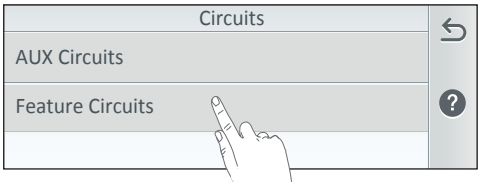
Feature Circuits

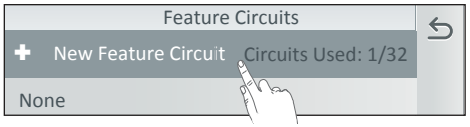
Up to 32 individual Feature Circuits can be assigned as Generic circuits or Spillway (Pool/Spa) circuits. A Feature Circuit can be assigned to activate the Spa Spillway effect, where in a pool/spa combination, pool water is diverted to the spa then spilled back into the pool. Feature Circuits can be setup to control equipment which is not controlled by an AUX circuit such as pumps and lights.

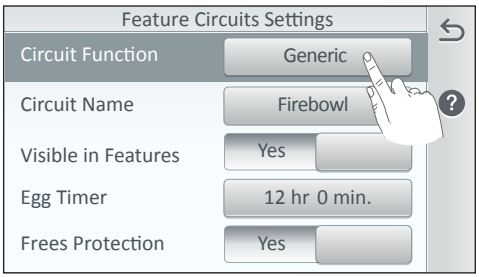
Use Feature Circuits to control multiple valve actuators, a Dual Speed pump (turn on high speed), or a spa spillway effect (in a pool spa combination, all of the pool water can be diverted to the spa then spill back into the pool).

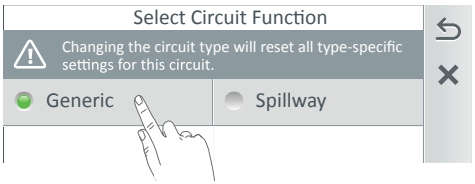
Home Screen Features Green Badge: Displays the number of active feature circuits. To display circuits in the Features screen, see **Settings > Advanced System Configuration > Installation Setup > Circuits > Feature Circuits > Feature Circuit Settings (Visible in Features (Y/N) option).**

Feature Circuits (Generic or Spillway): From the Home screen, tap **Settings > Advanced System Configuration > Installation Setup > Circuits > Feature Circuits.****See page 56 and previous page for details.**









+ New Feature Circuit (Generic or Spillway): Tap **New Feature Circuit** to create a new Feature Circuit (up to 32 total). Select the Feature Circuit Name, from the displayed list or tap the Keyboard icon and enter a custom name.
Circuit Function: Tap **Generic** and select either **Generic** or **Spillway** for the circuit function. Tap Check to return to the previous screen.
Circuit Name: Displays the assigned circuit name. To change the circuit name, tap the name button.
Visible in Features: Select ON or OFF to display the Feature Circuit in the Feature screen (Home screen).

Egg Timer: Set time duration of 0 to 12 hours.
Don't Stop: Tap the Hours Up button until 23 Hours displays, tap once again to display **DO NOT STOP.** Once the circuit is switched on, it will remain on until it is switched off.

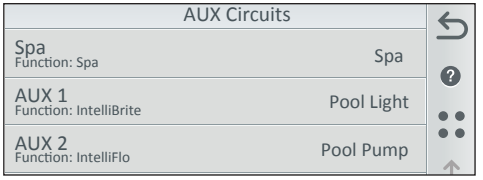
Note: *The Egg Timer sets a specified time delay (hrs/mins) for the circuit to function once it is turned on.*
Freeze Protection: Assign freeze protection for the circuit.
See page 59.

Using Feature Circuits

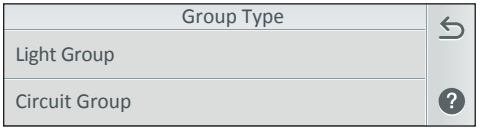
Create A Feature Circuit (Lights/Circuits): From Settings > Advanced System Configuration > Installation Setup > Circuits > Feature Circuits > Add Group (Four Dots Icon you can create a group of Lights or AUX auxiliary Circuits. These Groups of lights and auxiliary circuits are displayed in the Features > Groups screen. You can also create groups of auxiliary and light circuits in the GROUPS screen (see page 48), which will be displayed in the ***Features > Groups*** screen.
From the Feature Circuit screen you can create a group of circuits for Lights or Circuits (see page 56).For example, you could create a Feature Circuit assigned to one button to turn on your spa, spa light, fountain, fountain light, and patio lights.
A Feature Circuit also has the capability to switch a circuit off. You could also create your own custom name, for example, SPA PARTY could be used if there was a spa fountain which should not be on when spa is on (because it could put cold water in the spa) it can be set up in the Feature Circuit to automatically switch off when Spa Party is switched on. A Feature Circuit can also be used to switch off any number of lights with one button.

Note: A Feature Circuit may not be assigned to light dimmers although they can turn on light dimming circuits.

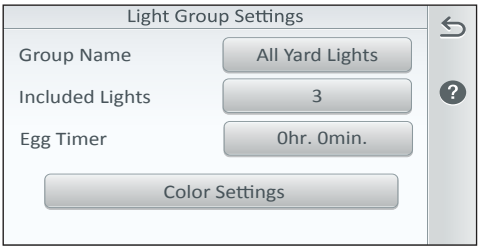
Feature Circuits (Create a Group of Lights or Circuits)



(4 Dots Icon): Tap the 4 Dots icon on right side of the screen to display the Add Group screen. ***Note: For more about creating groups of circuits, see page Groups on page 48.***



Select either the **Light** or **Circuit Group**. Enter a name form the group of lights or circuits.



Select Included Circuits: Tap Included Circuits (or Lights) and select the available AUX circuits and Features Circuits to be assigned to this group of circuits.

Color Settings (Delays): Adjust the AUX delay time (1-59 seconds) between lights.

Egg Timer: Tap the Egg Timer button to display the Hours and Minutes button. Tap the Hours and Minutes button to select a manual time-out for the circuit. The Egg Time is a specified time delay (hrs/mins) for the circuit, once it is turned on manually.
Don't Stop: Tap the Hours button until 23 hours is displayed, then tap the button again to display **Do Not Stop**. The Do Not Stop feature will continuously run the circuit until the it is manually turned off.

Feature Circuits

Feature Circuit: A total of 32 Feature Circuits can be assigned to Circuit and Light circuits. A Feature Circuit is assigned special logic to the and can control equipment that is not controlled by AUX circuits. Typically, AUX circuits are used for high voltage equipment like pumps and lights. Feature Circuits are used for low voltage equipment like valve actuators and pump speeds or pump speeds.

For example, an automatic pool cleaner pump, would assign the circuit function ***Master Cleaner.*** With this cleaner logic the cleaner pump would not run without the filter pump being on first, and, the cleaner pump would automatically shut off whenever the spa is switched on. The cleaner will go on after the five minute delay. Also, the automatic cleaner pump will turn off when the spa and/or solar is turned on. Be careful not to duplicate circuit names with these circuits. A Feature Circuit can be assigned to switch a two-speed Filter Pump from high speed to low speed.

Note: Individual and group circuit buttons only display on the Home Lights screen.

Valve Actuators and Feature Circuits: Feature Circuits can be assigned to control up to five (5) valve actuators per load center. To control a total of eight (8) actuators requires the installation of the optional Valve Modules (see page 110) which includes six (6) additional actuators outputs (C, D, E, F, G, H) per panel enclosure. **Note: When using solar heat, note that for shared equipment pool and spa combination, valve A is always used for solar. For dual body dual equipment, valve A is always the pool and valve B is always the spa.**

Freeze Protection: Freeze Protection ON, switches on all circuits during, if the outdoor air temperature sensor detects the temperature is getting close to freezing (36°F). The system cycles through all circuits that have been assigned freeze protection, and runs the circuits to stop the pipes from freezing. 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 switches on and the pool and spa valves alternate to keep the water moving in both the pool and spa. This process continues until the freeze condition is over.

Note: Freeze protection is activated when the air temperature drops to 36°F. If the spa is running a schedule or operated manually, this will override freeze protection. During freeze protection, FREEZE PROTECT ACTIVE is displayed on the Home screen.

The main pool filter circulation pump is freeze protected as long as FREEZE PROTECTION is set to ON. For all other equipment, Freeze Protect must also be specified on the individual device manager screen. Some devices default to freeze protect.

Heater Operation During Freeze Protection: The heater will not activate during a Freeze Protection period unless it is manually turned on.

Circuit Functions

Generic	No special Logic. Simple On/Off control of a circuit with all the programmable capabilities.
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.
Master Cleaner	Works with automatic pool cleaner pumps or cleaner valve actuator. - 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.
Chem Relay	Assign a dedicated relay for the IntelliChem Controller.
Light	Allows special lighting features to work, such as ALL lights on or ALL lights off.
IntelliBrite	Activates the colors of an IntelliBrite LED light.
GloBrite	Activates a GloBrite Color Light with IntelliBrite LED capabilities.
GloBrite White	Activates a GloBrite White LED light with dimmer capabilities.
MagicStream (IntelliBrite)	Activates a MagicStream laminar water feature with IntelliBrite LED capabilities.
Dimmer	Light with dimmer capabilities. Dimming relay must be installed.
Color Cascade	Activates a ColorCascade water feature with IntelliBrite LED capabilities.
Master Cleaner 2	Works with automatic pool cleaner pumps or cleaner valve actuator. - 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.

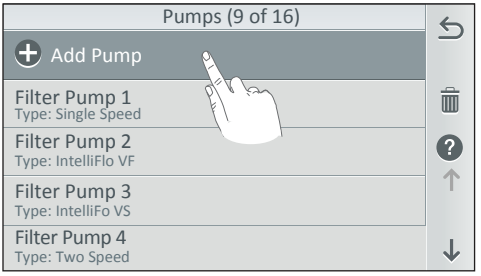
Circuit Names

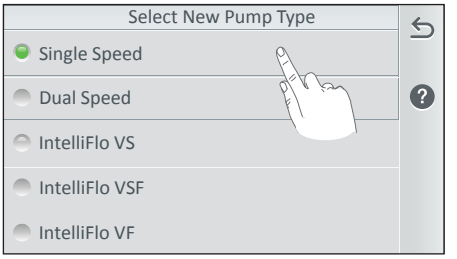
None
AIR BLOWER
AIR BLOWER 1
AIR BLOWER 2
AUX Extra
BACK LIGHT
BACKWASH
BBQ LIGHT
BEACH LIGHT
BOOSTER PUMP
BUBBLER
CABANA LIGHT
CAVE LIGHT
CAVE WATERFALL
CHEM. FEEDER
CHLORINATOR
CLEANER
COLORCASCADE
COLORWHEEL
DECK JET
DECK JETS
DECK LIGHT
DRIVE LIGHT
EDGE PUMP
ENTRY LIGHT
FAN
FILL LINE
FIRE BOWL
FIRE BOWLS
FIRE FEATURE 1
FIRE FEATURE 2
FIRE FEATURE 3
FLOOR CLEANER
FOUNTAIN
FOUNTAIN 1
FOUNTAIN 2
FOUNTAIN 3
FOUNTAIN LIGHT
FOUNTAINS
FRONT LIGHT
GARDEN LIGHT
GAZEBO LIGHT
HIGH SPEED
HIGH TEMPERATURE
IN-FLOOR CLEANER
INFINITY EDGE
JETS
JETS HIGH
JETS LOW
JETS MEDIUM
LAMINAR LIGHT
LAMINARS
LANDSCAPE LIGHT
LIGHTS
LOW SPEED
LOW TEMPERATURE
MAGICSTREAM BUBBLER
MIST
MUSIC
NOT USED
OZONATOR
PATH LIGHTS
PATIO LIGHT
PERIMETER LIGHT
POND LIGHT
POOL
POOL HIGH
POOL LIGHT
POOL LIGHT 1
POOL LIGHT 2
POOL LIGHT 3
POOL LIGHTS
POOL LOW
POOL PUMP
POOL SAM
POOL SAM 1
POOL SAM 2
POOL SAM 3
RAIN EFFECT
SECURITY LIGHT
SHEER DESCENT
SLIDE
SPA
SPA HIGH
SPA LIGHT
SPA LOW
SPA SAL
SPA SAM
SPA WATERFALL
SPILLWAY
SPRINKLERS
STATUE LIGHT
STREAM
SWIM JETS
ULTRAVIOLET
UV
WATER FEATURE
WATER FEATURE 1
WATER FEATURE 2
WATER FEATURE 3
WATER FEATURE LIGHT
WATER FEATURE LIGHT 1
WATER FEATURE LIGHT 2
WATER FEATURE LIGHT 3
WATERFALL
WATERFALL 1
WATERFALL 2
WATERFALL 3
WATERFALL LIGHT
WHIRLPOOL
YARD LIGHT

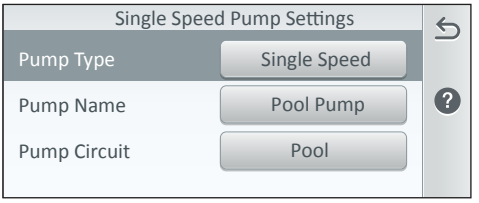
Pumps

Single Speed Pump

+ Add Pump: Tap + Add Pump to access the Select New Pump Type screen to setup the pump settings.





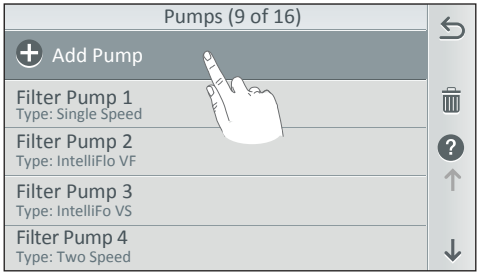


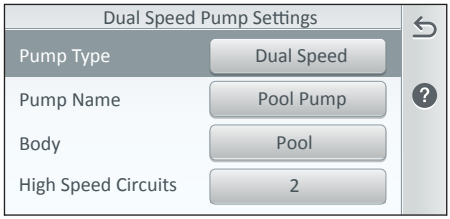
Single Speed Pump Settings: From the Single Speed Pump Settings screen you can change the pump type, name and assign the pump to a body of water (pool, spa, or pool/spa).
For information about priming the pump, see page 70.

Operating a Single Speed Filter Pump: To manually turn the filter pump on or off, tap the Pool Filter Pump button on the second Pool screen (on Home screen). If the heater is on and active, and Heater Cool down feature is enabled; when you tap Pool Filter Pump button to turn off the filter, only the heater will turn off and the pool filter pump will automatically turn off after 5 minutes of heater cool down period. You can override the heater cool down period by taping the button again to turn off the filter pump.

Pumps (Dual Speed)

+ Add Pump: Tap + Add Pump to access the pump type screen and select Dual Speed.





Dual Speed Pump Settings: Pump Type, Pump Name, Body, and High/Low Speed Circuits. **For information about priming the pump, see page 70.**

Pump Type: To change the pump type, tap Pump Type button to access the pump type screen. Select the pump for the list. Tap Check to save the new pump type and return to the previous screen.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

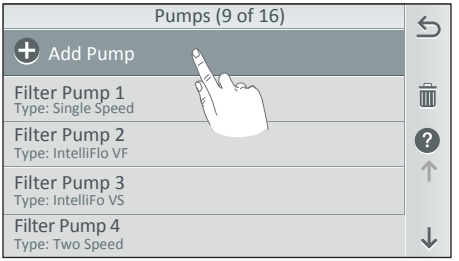
Body: Assign the pump to a body of water (pool, spa, or pool/spa (shared equipment).

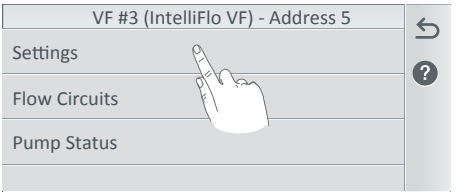
High Speed Circuits: Select a circuit for the high speed. You can choose up to eight (8) high speed circuits. Tap the High Speed Circuits button. Tap Add Circuit and select an AUX circuit to assign the high speed to. Tap Check to save the circuit and return to the previous screen.

Operating a Dual Speed Pump: To manually turn a dual speed filter pump on or off, tap the Pool Filter Pump button on the second Pool screen (on Home screen). When the pump is off, tap the Filter Pump button to turn on the high speed of the filter pump. Tap the button again switch to low speed operation. ***Note the pump will run the high speed to prime and establish normal water flow if the pump has been off for more than 30 seconds. If the heater is on and active, and Heater Cool down feature is enabled; when you tap Pool Filter Pump button to turn off the filter, only the heater will turn off and the pool filter pump will automatically turn off after 5 minutes of heater cool down period. You can override the heater cool down period by taping the button again to turn off the filter pump.***

Pumps (IntelliFlo VS)

+ Add Pump: Tap + Add Pump to access the pump type screen and select IntelliFlo VS.





IntelliFlo VS Settings: Pump Type, Name, Address, Min. Speed, Max. Speed, Step Size, Priming Time, and Priming Speed. **For information about priming the pump, see page 70.**

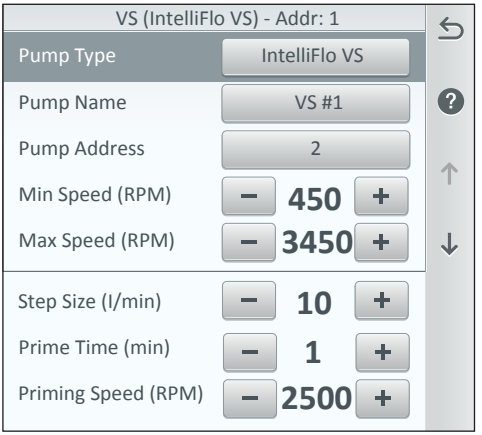
Pump Type: To change the pump type, tap Pump Type button to access the pump type screen. Select the pump for the list. Tap Check to save the new pump type and return to the previous screen.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

Minimum Speed (RPM): This is the minimum pump speed but still generating sufficient flow in the pool. The system will not run lower than 450 RPM. The lower you can establish this flow rate the better the energy savings. **Note: Other equipment may require higher pump speed to operate.**

Maximum Speed (RPM): This is generally the pump speed required for backwashing the pool filter. The pump will not allow a higher speed of 3450 to prevent damage to the pool system hydraulics.

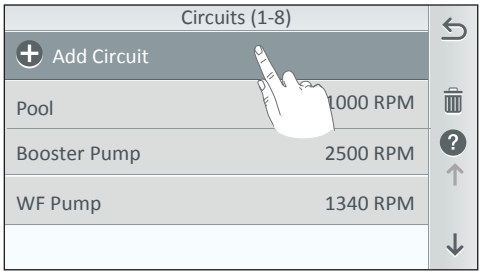


Step Size: The pump speed step size can be set from 10-250 RPM.

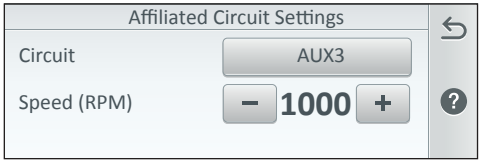
Priming Time (min): The system priming time can be set from 0-5 minutes.

Priming Speed (RPM): The system priming speed can be set from 450-3450 RPM.

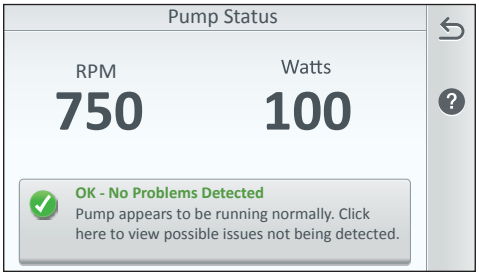
Pumps (IntelliFlo VS)



Speed Circuits: Assign the speeds to the circuits you wish to use. Tap Speed Circuits and tap Add Circuits to assign a new AUX circuit. To change the pump speed of a listed circuits, tap the AUX name to change the assigned RPM setting. Tap Return to save the setting and return to the previous screen.



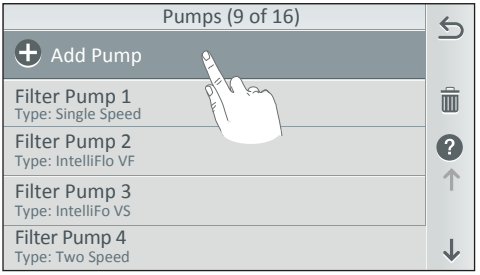
Affiliated Circuit Settings:
Circuit: The assign circuit to control the pump speed.
Speed (RPM): Assign pump speed from 450 to 3450 for the selected circuit.

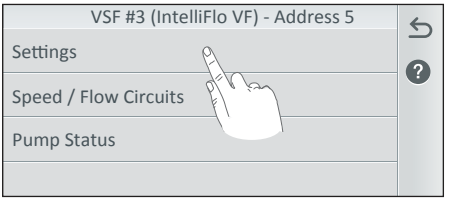


Pump Status: Shows the current power usage in Watts, speed, in revolutions per minute (RPM) while the pump is operating. Tap Return to return to the previous screen. Also see: Tap Status on the Home screen to display the current pump status and error condition.

Pumps (IntelliFlo VSF)

+ Add Pump: Tap + Add Pump to access the pump type screen and select IntelliFlo VSF.





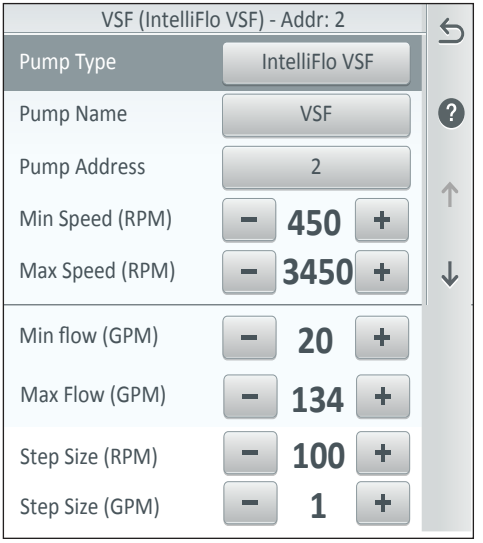
IntelliFlo VSF Settings: Pump Type, Name, Address, Min. Speed, Max. Speed, Min. Flow, Max. Flow, and Step Size. **For information about priming the pump, see page 70.**

Pump Type: To change the pump type (function), tap Pump Type button to access the pump type screen. Select the pump for the list. Tap Check to save the new pump type and return to the previous screen.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

Minimum Flow (GPM): This is the minimum flow rate speed but still generating sufficient flow in the pool. The IntelliCenter will not run lower than 20 GPM. The lower you can establish this flow rate the better the energy savings.

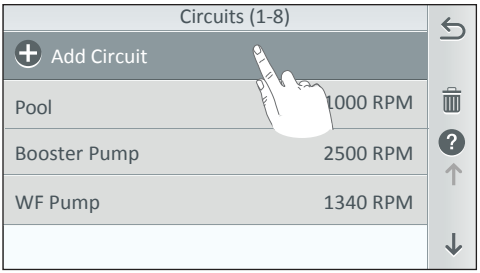


Maximum Flow (GPM): This is generally the flow rate required for backwashing the pool filter. The pump will not allow a higher flow rate of 140 GPM to prevent damage to the pool system hydraulics.

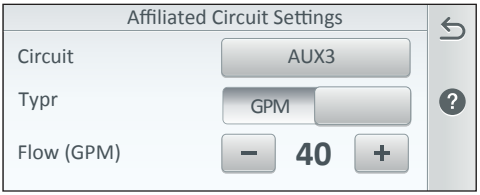
Step Size (RPM): The pump speed step size can be set from 10-250 RPM.

Step Size (GPM): The pump flow rate step size can be set from 1-10 GPM.

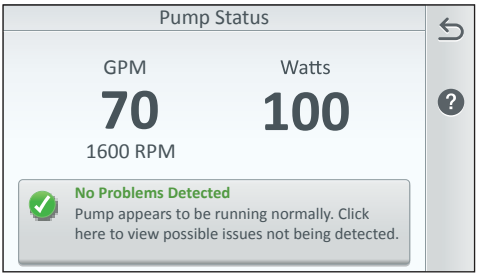
Pumps (IntelliFlo VSF)



Speed Circuits: Assign the speeds to the circuits you wish to use. Tap Speed Circuits and tap Add Circuits to assign a new AUX circuit. To change the pump speed, tap the AUX name to change the assigned RPM setting. Tap Return to save the setting and return to the previous screen.



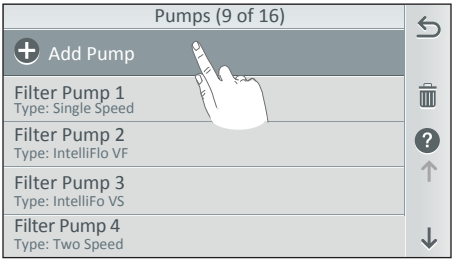
Affiliated Circuit Settings:
Circuit: The assign circuit to control the pump speed.
Flow (GPM): Assign pump flow rate from 20-140 for the selected circuit. **Speed (RPM):** Assign pump speed from 450 to 3450 for the selected circuit.

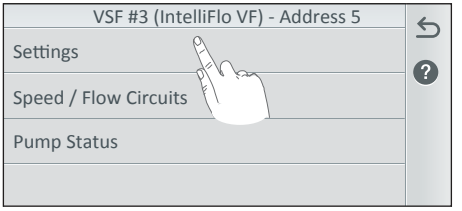


Pump Status: Shows the current power usage in Watts, flow rate in gallons per minute (GPM) or revolutions per minute (RPM) while the pump is operating. Tap Return to return to the previous screen. Also see: Tap Status on the Home screen to display the current pump status and error condition.

Pumps (IntelliFlo VF)

+ Add Pump: Tap + Add Pump to access the pump type screen and select IntelliFlo VF.



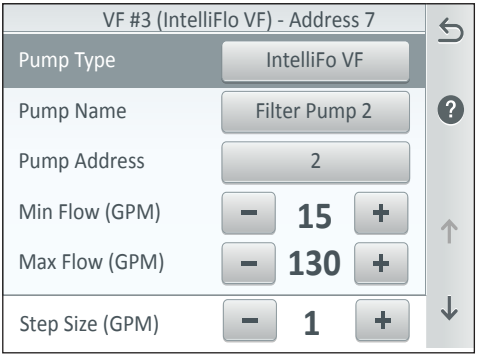


IntelliFlo VF Settings: Pump Type, Pump Name, Pump Address, Min. Flow, Max. Flow, and Step Size. **For information about priming the pump, see page 70.**

Pump Type: To change the pump type (function), tap Pump Type button to access the pump type screen. Select the pump for the list. Tap Check to save the new pump type and return to the previous screen.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

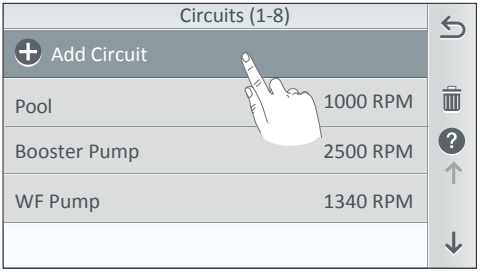


Minimum Flow (GPM): The pump's minimum flow rate can be set from 15-130. This is the minimum flow rate speed but still generating sufficient flow in the pool. The IntelliCenter will not run lower than 15 GPM. The lower you can establish this flow rate the better the energy savings.

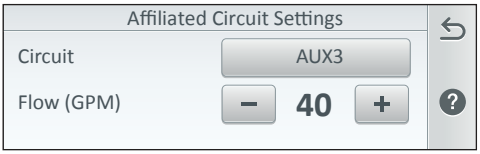
Maximum Flow (GPM): The pump's maximum flow rate can be set from 15-130 GPM. This is generally the flow rate required for backwashing the pool filter. The pump will not allow a higher flow rate of 130 in order to prevent damage to the pool system.

Step Size (GPM): The pump flow rate step size can be set from 1-10 GPM.

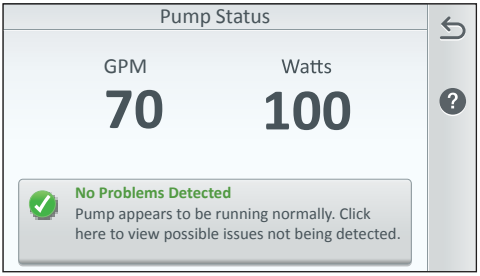
Pumps (IntelliFlo VF)



Speed Circuits: Assign the speeds to the circuits you wish to use. Tap Speed Circuits and tap Add Circuits to assign a new AUX circuit. To change the pump speed of a listed circuits, tap the AUX name to change the assigned RPM setting. Tap Return to save the setting and return to the previous screen.



Affiliated Circuit Settings:
Circuit: The assign circuit to control the pump speed.
Flow (GPM): Assign pump flow rate from 15 to 130 for the selected circuit.



Pump Status: Shows the current power usage in Watts, and flow rate in gallons per minute (GPM) while the pump is operating. Tap Return to save the setting and return to the previous screen. Also see: Tap Status on the Home screen to display the current pump status and error condition.

IntelliFlo Pump Alarms and Warnings

IntelliFlo pumps display all alarms and warnings on the control panel display. When an alarm or warning condition exists, the corresponding light will be lit on the display.

In the event of an alarm: The alarm light will illuminate and all control panel buttons will be disabled until the alarm is cleared. Pressing the Reset button will clear the alarm once the fault condition has been resolved.

In the event of a warning: The warning light will illuminate, but the pump will continue to run. The speed, flow or pressure limit that is causing the warning must be adjusted in order to correct the warning.

Power Out/OFF

The incoming supply voltage is less than required. The drive faults to protect itself from over current. The drive contains capacitors that keep it powered up long enough to save the current run parameters. If power is restored during this process, approximately 20 seconds, the drive will not restart until completed.

Continue to next page.

IntelliFlo Pump Alarms and Warnings (Continued)



Priming the IntelliFlo pump:

For more information about troubleshooting, refer to your pump manual.

Priming the Pump for the first time or after a service: First release all pressure from filter, pump, and piping system. The pump will prime itself when the suction and discharge valves are opened if the water source is higher than pump. If this is not the case, unscrew and remove pump's lid cover, fill the basket and pump with water. Do not lubricate the lid cover O-ring. The O-ring contains a permanent internal lubricant.

1. Turn the pump lid clamp and lid in a counterclockwise direction until it stops and remove them.
2. Fill the pump strainer pot with water.
3. Reinstall the pump clamp and lid onto the strainer pot. The pump is now ready to prime.
4. Make sure all electrical connections are clean and tight.
5. Open the air release valve on the filter, and stand clear of the filter.
6. Switch the IntelliFlo pump on at the circuit breaker. Ensure that the green power light is on.
7. Press the Speed 1 button to select the pump speed of 750 RPM.
8. Press the Start button to start the pump. Use the Up/Down button to increase the speed as necessary to prime the pump.
9. When water comes out of the air release valve, close the valve. The system should now be circulating water back to the pool without air bubbles showing in either the hair and lint pot or at the pool return fittings.
10. Use the Up/Down button to adjust the operating speed as desired.

Priming Failure: If the pump is not primed within the "Max Priming Time" it will stop and generate a "Priming Alarm" for 10 minutes, then attempt to prime again. The "Max Priming Time" is set in the pump's priming menu. If the pump cannot prime within five attempts it will generate a permanent alarm that must be manually reset.

Overheat: If the drive temperature exceeds 130° F (54.4°C), the pump will reduce speed until the over temperature condition clears.

Thermal Mode: The motor will run at the preset RPM until the drive internal temperature increases above the minimum. The pump's internal thermal protection is disabled when connected to an automation system. Thermal protection is provided by selecting Freeze Protection ON in the pump circuit option in the IntelliCenter menu (see page 62). To re-enable the internal thermal protection, the power to the drive must be cycled off then back on.

Over Current: Indicates that the drive is overloaded or the motor has an electrical problem. The drive will restart 20 seconds after the over current condition clears.

Over Voltage: Indicates excessive supply voltage or an external water source is causing the pump and motor to rotate thereby generating an excessive voltage on the drives internal DC buss. The drive will restart 20 seconds after the over voltage condition clears.

IntelliFlo Pump Alarms and Warnings (Continued)



Internal Error: Indicates that the self-monitoring motor control software has encountered an error. Clear the alarm and restart the pump. If this alarm persists, contact Pentair Technical Service at 1-800-831-7133.

Speed Limit (Warning): The pump has detected that it has met the maximum allowed speed set in the Min/Max menu. The pump will continue to run, but it will not achieve the desired speed.

Pressure Limit (Warning): The pump has detected that it has met the maximum system pressure set in the Min/Max pump menu (and IntelliCenter menu, see page 62). The pump will continue to run, but it is not achieving the desired flow rate or speed because of the pressure limit. The feature is enabled by default while running a program at a constant flow rate, but must be enabled manually to monitor maximum pressure while running a constant speed program.

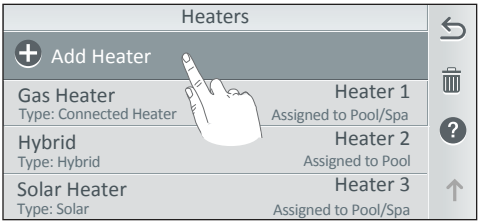
Flow Limit (Warning): The pump has detected that it has met the maximum flow rate set in the Min/Max menu. The pump will continue to run, but it is not achieving the desired speed because it is running at the maximum flow rate. The Maximum Flow can be set in the Max/Min menu. This feature must be enabled in the Min/Max menu to be active while running a speed program.

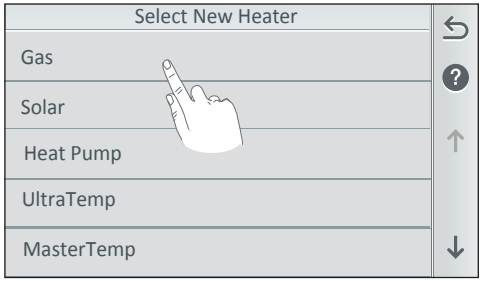
- **Freeze Protection:** When set to ON, the pump motor will run at a user defined speed.

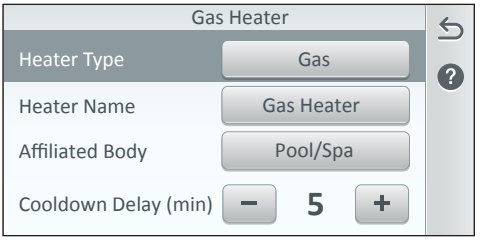
  Note: The IntelliFlo pump's internal anti-freeze protection is disabled when connected to the automation control system. To re-enable the IntelliFlo pump's internal freeze protection, the power to the drive must be cycled off then back on. When active FREEZE PROTECT ACTIVE is displayed on the Home screen.
- **Blocked system:** Detects a blocked suction line. This alarm resets automatically after 30 seconds and the pump restarts.
- **System service soon:** Alerts the operator that the pump discharge pressure has reached the Clean Filter Pressure as setup in the Filter Menu. The filter status will be displayed as 100%. The green warning LED will be on until a backwash cycle is operated. The IntelliFlo pump will automatically reduce speed as necessary to not exceed the Clean Filter Pressure.

  Note: The IntelliFlo VS pump alarm and warnings are indicated by flashing LEDs on the pump's control panel. For example, if a "Drive Temperature" warning occurs, the LED will blink two times, then Off, then blink two times. This sequence is repeated until the condition is cleared.
- **Warning condition:** If a warning condition occurs the pump will continue to run but at a reduced speed. The Green LED displays a sequence of blinks to indicate which alarm or warning has occurred.
- **Alarm condition:** If an alarm condition occurs the pump will stop running. The red LED flashes continuously to indicate the presence of an alarm. The alarm LEDs will reset when the condition clears.

Heaters (Gas) Add a Heater







Add Heater: Up to three heaters can be assigned. **Only one gas heater for each body of water. For shared equipment; one gas heater (pool/spa).**

Select Add Heater: Select: **Gas, Solar, Heat Pump, UltraTemp, MasterTemp, Max-E-Therm and Hybrid (see page 76).**

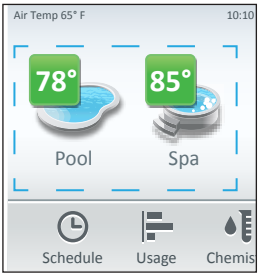
Gas Heater Settings: Heater Type: Displays the Heater Type selected.

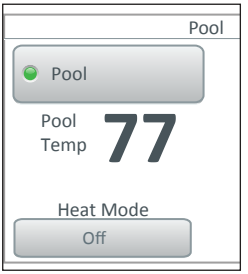
Heater Name: Tap the heater name button to change the heater name. Enter the new name and tap Check to save the name and return to the previous screen.

Affiliated Body: Assign the heater to a body of water: **Pool, Spa or Pool/Spa (shared equipment).**

Cool Down Delay (min): The Cool Down Delay can be set from 0 to 10 minutes (5 min. default). After the heater is turned off, this feature keeps the pump on to circulate water through the heater to avoid corrosion.

HEATER OFF: Pool/Spa System without a Heat Source: If the pool/spa system does not have a heat source installed, the Home screen and Pool and Spa screens will not display the Heating Set Point buttons. The Pool/Spa badge (Yellow, Blue, Green) displays the current water temperature.

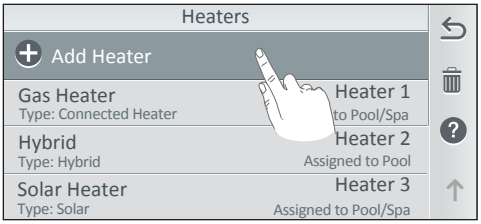


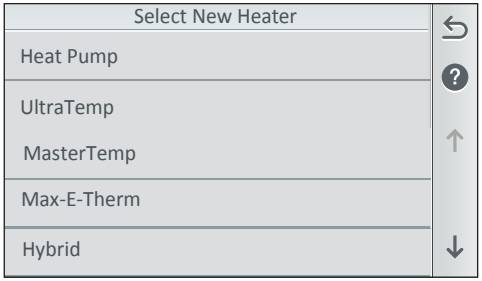


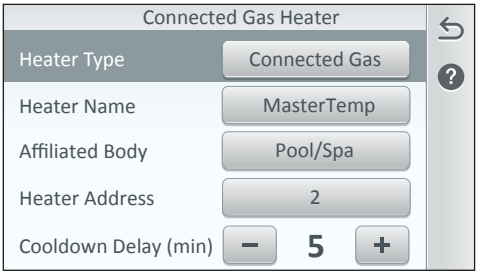
Heat Mode Off: No Heat Source Assigned.

HEATER CONNECTIONS: Note: iS5PS/i10D: Pool/Spa Heater Connections - It does not matter which body of water is connected to each heater connector. The heater on the main i5P board is for body 1 (pool or spa), and the heater on the i10D board is for body 2 (pool or spa).

Heaters (MasterTemp & Max-E-Therm)







Add Heater: Tap Add Heater. Select **MasterTemp or Max-E-Therm.** Up to three heaters can be assigned. **Only one gas heater for each body of water. For shared equipment; one gas heater (pool/spa).**

MasterTemp/Max-E- Therm Settings:
Heater Type: Displays the Heater Type selected.
Heater Name: Tap the heater name button to change the heater name. Enter the new name and tap Check to save the name and return to the previous screen.
Affiliated Body: Assign the heater to a body of water: **Pool, Spa or Pool/Spa (shared equipment).**
Heater Address: Select the heater address between 1-16.
Cool Down Delay (min): The gas heater Cool Down Delay (min) can be set from 0 to 10 minutes (5 min. default). After the heater is turned off, this feature keeps the pump on (up to 10 mins) to circulate water through the heater to avoid corrosion.

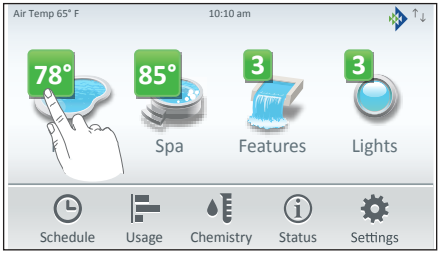
Connecting Multiple Heaters (RS-485 COM Port) (MasterTemp & Max-E-Therm): MasterTemp or Max-E-Therm heaters can be wired to the IntelliCenter via a RS-485 connection. Up to 16 heaters can be connected. The default address of a heater is 1. If additional heaters are connected, each heater must have its own address. The address range is 1 to 16. The address for each heater is set from the heater's front LCD panel menus.

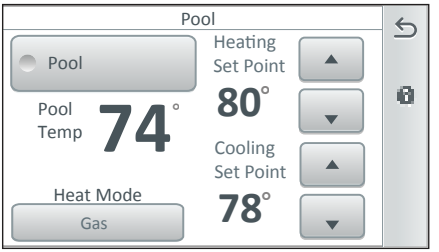
When a heater is being controlled via RS-485: The heater front panel buttons are inactive. Press a panel button to turn on the LCD display. **"RS485 Control" is displayed.** Heater Alarms/Errors are displayed on IntelliCenter's control panel(s) Status Home screen (see page 33). **For more information, see page 5.**
The heater's 3-wire interface Fireman's switch is used to power the heater On/Off. The 3-wire interface must be disabled. To disable the 3-wire interface, place a shunt across pins 1 and 2 of JMP1 on the heater main circuit board. Note: The heater main circuit board is factory shipped with a shunt across pins 1 and 2 of JMP1.

Note: For more information about connecting multiple heaters via RS-485, see the IntelliCenter Installation Guide (P/N 522989), and the MasterTemp (P/N 472592) and Max-E-Therm (P/N S794) Installation and User's Guide.

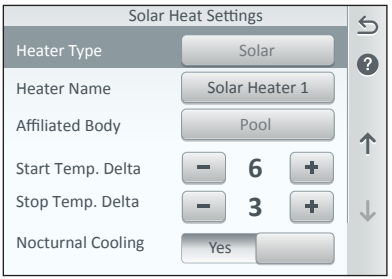
Solar (Nocturnal Heater Cool Down Delay)

For Solar and Heat Pumps: Use the Cooling Set Point temperature control buttons displayed on the Pool and/or Spa screen to adjust the nighttime temperature of the pool/spa water.





Heaters (Solar Heating)



Solar Heater Settings:

Heater Type: Displays the Heater Type selected.

Heater Name: Tap the heater name button to change the heater name. Enter the new name and tap Check to save the name and return to the previous screen.

Affiliated Body: Assign the heater to a body of water: Pool, Spa or Pool/Spa.

Start Temp. Delta: The minimum temperature difference to start heating. The temperature range is adjustable from 3° - 9°. Factory default is 6.

Stop Temp. Delta: The temperature difference at which heating will stop. The temperature range is adjustable from 2° - 5°. Factory default is 3.

Solar Nocturnal Cooling ON/OFF: ON: Provides automatic nocturnal (nighttime) cooling during night time hours for pools that overheat in hot climates. When enabled, circulates pool water to the collector panels when the solar sensor temperature and the pool temperature is hotter than the high limit setting. This process cools the pool water over time. Circulation will stop when the solar sensor temperature is 3 degrees (default) less than the pool temperature or the pool temperature is cooler than the high limit setting. OFF: SOLAR nocturnal (nighttime) cooling disabled.

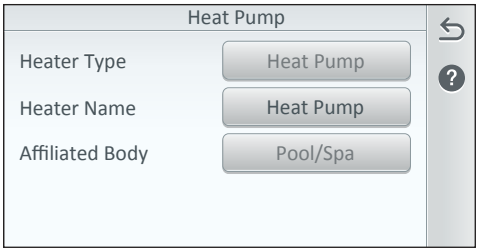
Note: Valves A & B and Solar Heating: For Single Body systems, Valve A is used for SOLAR if you choose the Solar Heater. For Dual Body systems, Valve B is used for SOLAR if you choose the Solar Heater.

Heaters (Solar Heating)

Solar Heating: Effective solar heat depends on the solar and water temperature and the start and stop differentials, When solar is available, then the system will rotate the 3-Way Valve and turn on the solar booster pump if applicable or increase the RPM if an IntelliFlo Pump is present. This allows the water to flow to the solar collectors. If a pressure cleaner pump is installed, the cleaner pump will turn off for 10 minutes every time solar turns ON. The solar roof sensor must be 6° higher (based on Start/Stop Temp. Delta) than the water temperature. The pump must be ON for a few minutes for operation. When the roof sensor and the water temperature are within 3° of each other (based on Start/Stop Temp. Delta), solar heat will switch off. The solar temperature start and stop differential settings are factory at 6° and 3°. These differential settings are adjustable. Refer to your solar service professional for the optimum setting. Changing the differentials could result in the system not working properly.

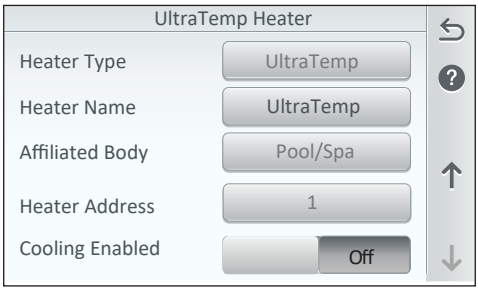
Heating: Heating will start when the Start differential condition is met and the water temperature is below the target temp. When these conditions are satisfied heating is turned ON. Example: Water Temperature is 75°F; The target temperature is 82°F. When the roof solar collectors temperature exceeds the water temperature by 6° Start Temp Delta (81°F), the solar valve rotates. If a solar booster pump is required, this pump will turn on.

Heaters (Heat Pump)



Heat Pump Settings:
Heater Type: Displays the Heater Type selected.
Heater Name: Tap the heater name button to change the heater name. Enter the new name and tap Check to save the name and return to the previous screen.
Affiliated Body: Assign the heater to a body of water: Pool, Spa or Pool/Spa.

Heaters (UltraTemp)



UltraTemp Settings:
Heater Type: Displays the Heater Type selected.
Heater Name: Tap the heater name button to change the heater name. Enter the new name and tap Check to save the name and return to the previous screen.
Affiliated Body: Assign the heater to a body of water: Pool, Spa or Pool/Spa.

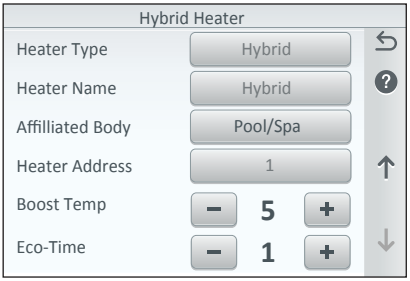
Heater Address (1-16): Assign the UltraTemp heat pump address.

Cooling Enabled (UltraTemp only): On/Off: **On:** Provides cooling for pools that overheat in hot climates. When enabled, circulates pool water through the exchanger and draws heat from the water and expels it through the fan.

UltraTemp Heat and Cool Mode: Heat Mode Temp: This is the set temperature when in Heat Mode. **Cool Mode Temp:** This is the set temperature when in Cool Mode.

Heaters (Heat Pump & UltraTemp)

Heaters (ETi Hybrid Heater)



Hybrid Heater Settings:

Heater Type: Displays the Heater Type selected (Hybrid).

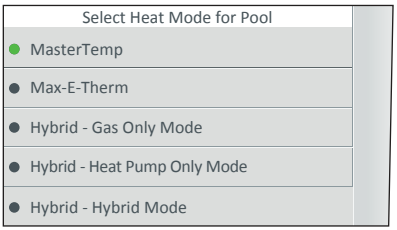
Heater Name (Hybrid): Tap the heater name button to change the heater name.

Affiliated Body: Assign the heater to a body of water: Pool, Spa or Pool/Spa.

Heater Address (1-16): Assign the Hybrid heater address.

Boost Temperature (From 5 to 10 degrees): Only active in Hybrid Mode. Use this feature if the unit is unable to heat incoming low temperature water to the active set point. When the difference between the actual incoming water temperature and the active set point exceeds a set amount, the gas heater will turn on to provide supplemental heat. The Boost Temp setting is the difference between incoming water temperature and the active set point which will activate the gas heater. Both the Pool Set Point and Spa Set Point have an individual Boost Temperature setting.

Eco-Time: Only active in Hybrid Mode. Use this feature if the unit is unable to heat incoming water to the active set point within a specific period of time, then the gas heater will turn on to provide supplemental heat. Eco-Time is the time the heat pump will attempt to heat to the active set point before the gas heater activates to provide supplemental heat. Both the Pool Set Point and Spa Set Point have an individual Eco-Time setting.



Heat Mode:

Heat Pump Only: Uses only the Heat Pump side during calls for heating.

Hybrid - Gas Only Mode: Use only the Gas Heater side during calls for heating.

Hybrid - Hybrid Mode: Uses Gas and/or Heat Pump depending on conditions during calls for heating, and will automatically switch between the two.

Hybrid - Dual Mode: Heat Pump and Gas Heater will run in tandem during calls for heating. Provides fastest possible heat ups.

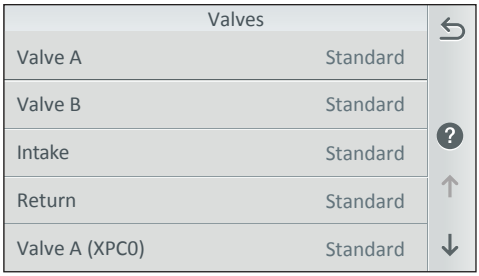
Installation [Valves]

Valve Actuators Circuit Assignments: IntelliCenter can control up to four automatic valve actuators (for shared equipment). An additional six valves can be added with Valve Expansion Cards. Two of the valve outputs are dedicated to the pool/spa intake (INTAKE) and return (RETURN) valves. Valve A or Valve B actuators are for general purpose use (solar, water-feature, in-floor cleaner, etc.). *Note: For a Floor Cleaner to operate properly, the Floor Cleaner circuit must be assigned to Valve A (Shared Equipment) and to either Valve A or Valve B (Dual Equipment).*

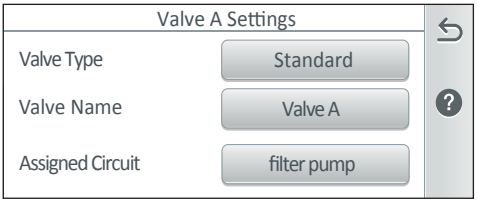
Valve A may not be used with any other circuit when Solar is selected as a heat source. Note: When using solar heat, note that for shared equipment pool and spa combination, Valve A is always used for solar. For dual body dual equipment, Valve A is for pool, and Valve B for spa.

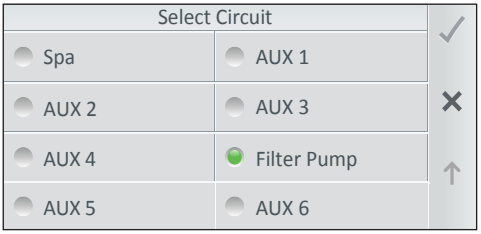
Also see Valve Delays: For Valve delay and Heater Cool Down settings and Freeze Cycle Time, ***see Settings > Advanced System Configuration > Delays on page 88.***

For Pool and Spa Shared Equipment: Return valve actuator (pool), Spa Return. Intake Valve Actuator (Pool Drain/Skimmer, Vacuum Line, Spa Drain/Skimmer).



Valves A & B and Solar Heating: For Single Body systems, Valve A is used for SOLAR if you choose SOLAR heating. For Dual Body systems, Valve B is used for SOLAR if you choose SOLAR HEATER.



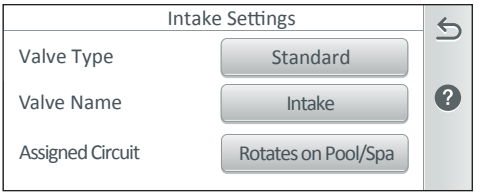


VALVE A Settings: Standard (2-Way/3-Way). For Single Body systems, Valve A is used for SOLAR if you choose SOLAR HEATER. Valve A is displayed if additional valve circuits are available.
Valve Name: Tap Valve A name to change the valve name.
Assigned Circuit: Assign the Pool circuit for VALVE A.

VALVE B Settings: Standard (2-Way/3-Way). For Single Body systems, Valve B is used for SOLAR if you choose SOLAR HEATER. Valve B is displayed if additional valve circuits are available.
Valve Name: Tap Valve B name to change the valve name.
Assign Circuit: Assign the Spa circuit for VALVE B.

Installation [Valves]

Valves: Intake and Return

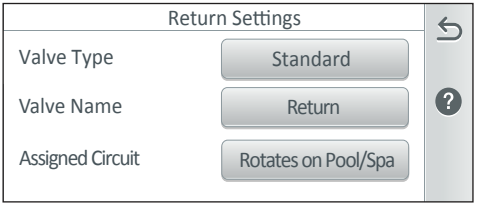


Intake Settings:

Valve Type: Standard (2-Way/3-Way).

Valve Name: Intake (predefined function/name) cannot be changed.

Assigned Circuit: Assign to the intake line valve that rotates between the pool and spa to circulate water.



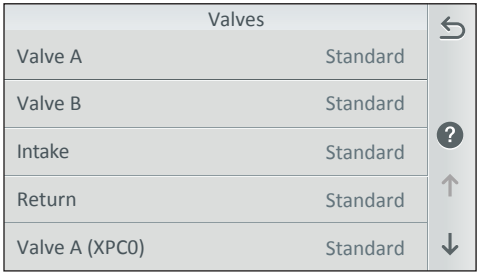
Return Settings:

Valve Type: Standard (2-Way/3-Way).

Valve Name: Return (predefined function/name) cannot be changed.

Assigned Circuit: Assign to the return line valve that rotates between the pool and spa to circulate water.

Optional Expansion Valve A(XPC0) / Valve B (XPC0)



Additional Valve Circuits: Optional Personality Card can provide additional valve circuits that will be displayed on the Valve screen as Valve A (XPC0) and Valve B (XPC0) depending on the system model. See page 110 for more about IntelliCenter models.

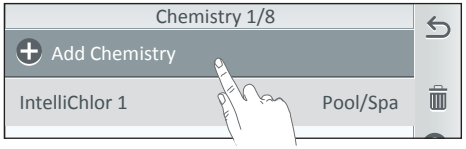
Configuring Valve Actuators (Controlled by AUX or Feature Circuit)

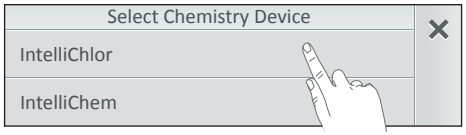
IntelliCenter can control two auxiliary valve actuators (A and B) for applications such as solar heating and water features. With the addition of the Valve Expansion Card, the system can accommodate up to six additional actuators (C, D, E, F, G, H) for a total of eight actuators.

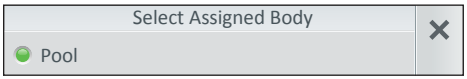
Before configuring auxiliary valve actuators, first assign names to the AUX or FEATURE circuits. Auxiliary valve actuators can be controlled by any AUX circuit or Feature circuit. By using FEATURE circuits to control valve actuators, you can conserve your AUX circuits for high voltage relays for controlling pumps and lights. You can also use a FEATURE CIRCUITS to couple valve actuators with AUX circuits for specific applications.

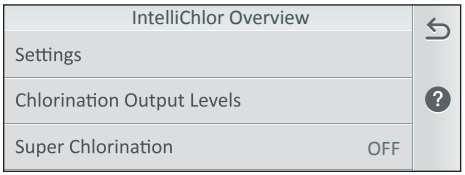
Chemistry [IntelliChlor SCG and IntelliChem Installation]

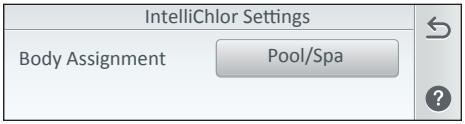
From the Chemistry screen you can configure one IntelliChlor SCG and one IntelliChem Controller.

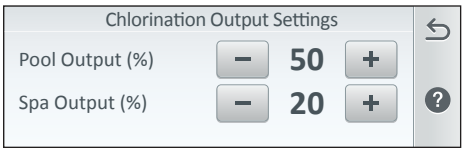


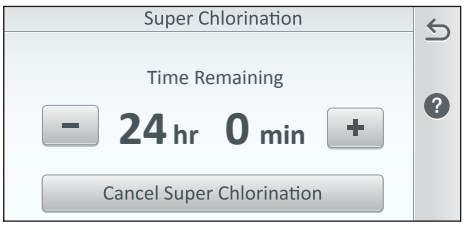


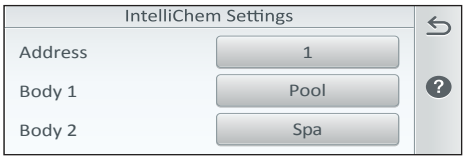












Add IntelliChlor and/or IntelliChem: Tap Chemistry on the Home screen. Tap Add Chemistry. Select one IntelliChlor SCG and address up to four (4) IntelliChem Controllers on the Select Chemistry Device screen.

IntelliChlor SCG Settings: For dual body systems, each device is assigned to pool/spa. For single body systems, select either Body 1 (pool), Body 2 (Spa).

Chlorination Output Levels: Set the Pool and Spa chlorine output levels. The system can only generate chlorine while the filter pump is operating. Set the percentage to produce chlorine. The Spa outputs 1/20 of the pool output when the Spa mode is switched on.

N*ote: If using the Filter Pump Relay select Filter Pump Relay and Tap Next. Choose either the Pool or Spa Relay and can set the chlorination output levels and turn Super Chlorination On/Off. Tap the Back arrow to return to the previous screen and Tap Next.*

Super Chlorination (1 to 96 hrs.) (ON): Tap the **Start Super Chlorination** button to temporarily override the current chlorination output levels with super chlorination (100% output for the selected time, typically 24 hours).

IntelliChem Settings:

Address (1-4): Select an address from 1-4 for the IntelliChem Controller. Up to four controllers can be connected to the IntelliCenter.

Body Assignment: For dual body systems, the device is assigned to pool/spa. For single body systems, select either Body 1 (pool), Body 2 (Spa).

(*) Show/Hide IntelliChem Badge on Home Screen: Go to Settings > General > Chemistry Readings Badge to show pH and ORP readings (set to ON or OFF).

Installation (Pool and Spa Cover)

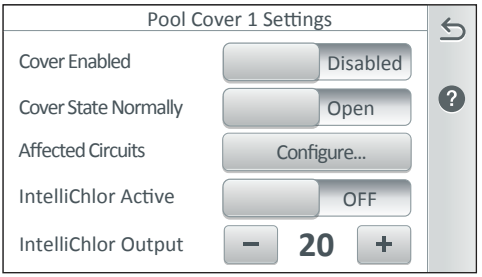


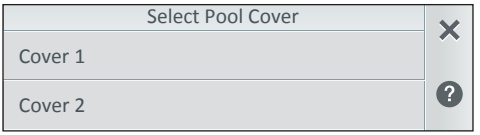
From the Installation Setup screen, tap Pool and Spa Cover to display the Pool and Spa Cover Select screen. IntelliCenter can support two covers, one for each body of water.

From the Pool/Spa Cover settings, select which circuits to switch OFF and ON when the pool or spa cover is closed or open.

Pool or Spa Cover Position: "OPEN" or "COVERED" is displayed to indicate the current position of the cover.

POOL COVER SETTINGS





Cover Enabled: Enable or Disable cover.

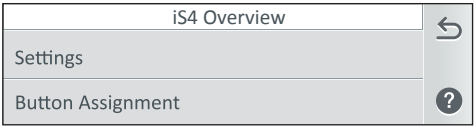
Cover State Normally: Select either Closed or Open for the state that the pool or spa cover is usually in.

Affected Circuits: Select the circuits that will switch OFF/ON when the cover is closed or open. Tap Check to save and return to the Settings screen.

IntelliChlor Active (0-40): Select ON to switch the IntelliChlor SCG circuit OFF when the pool or spa cover is closed.

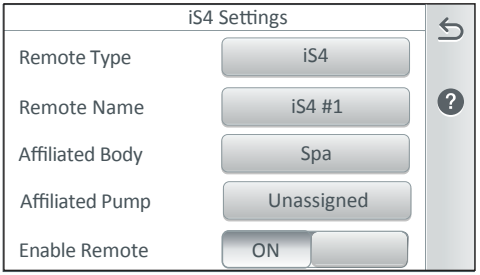
IntelliChlor Output: Set the IntelliChlor chlorine output from 0 to 50 % while the cover is closed.

iS4 Remote [Advanced System Configuration]



To configure a iS4 remote, tap **+ Add Remote** and choose iS4 from the Select New Remote screen.

iS4 SETTINGS



Remote Type: Remote Type is assigned as iS10.

Remote Name: Enter a name and tap Check to save.

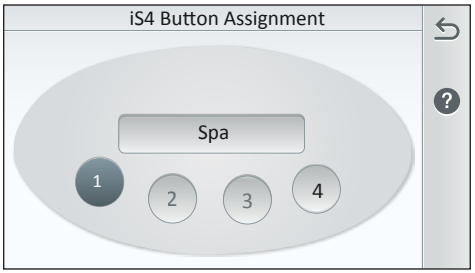
Affiliated Body: Select Spa or Pool and tap Return to save.

Affiliated Pump: Select the pump circuit assigned to the iS4 remote. Tap Check to save.

Enable Remote: Turn the remote ON or OFF.

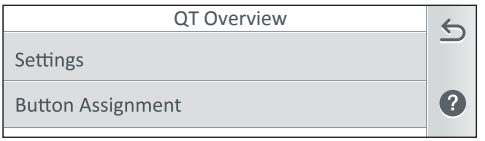
Body: The remote is assigned to Spa. To reassign to a different body of water see page 53.

BUTTON ASSIGNMENTS (1-4)



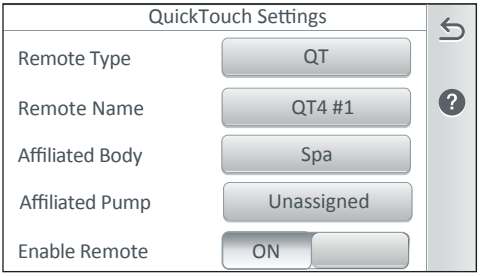
Button Assignment: Tap Button 1, then the *Unassigned* button to choose a button function. Repeat for buttons 2-4 as necessary. The available AUX circuits displayed are assigned in the Circuits option screen (***page 56).***

QuickTouch (QT) Remote [Advanced System Configuration]



To configure a QuickTouch II remote, tap **+ Add Remote** and choose **QT** from the Select New Remote screen.

QUICKTOUCH SETTINGS



Remote Type: Remote Type is assigned as QT.

Remote Name: Enter a name and tap Check to save.

Affiliated Body: Select Spa or Pool and tap Return to save.

Affiliated Pump: Select the pump circuit assigned to the QT remote. Tap Check to save.

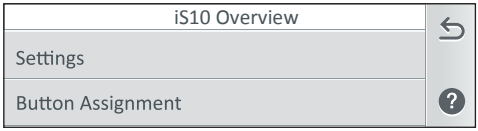
Enable Remote: Turn the remote ON or OFF.

BUTTON ASSIGNMENTS (1-4)



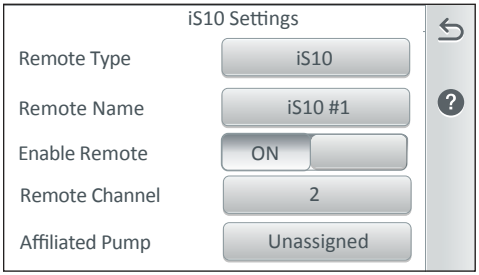
Button Assignment: Tap Button 1, then the ***Unassigned*** button to choose a button function. Repeat for buttons 2-4 as necessary. The available AUX circuits displayed are assigned in the Circuits option screen (***page 56).***

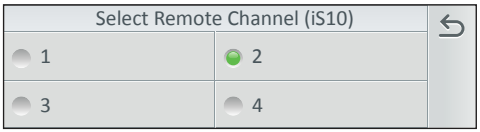
iS10 Remote [Advanced System Configuration]



To configure a iS10 remote, tap **+ Add Remote** and choose iS10 from the Select New Remote screen.

iS10 SETTINGS





Remote Type: Remote Type is assigned as iS10.

Remote Name: Enter a name and tap Check to save.

Enable Remote: Turn the remote ON or OFF.

Remote Channel: Select a communication address (1, 2, 3 or 4). The assigned channel will be used to communicate to multiple remotes or to operate individual remotes separately.

Affiliated Pump: Select the pump circuit assigned to the QT remote. Tap Check to save.

Body: The remote is assigned to Spa. To reassign to a different body of water see page 53.

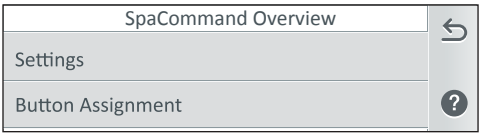
BUTTON ASSIGNMENTS (1-10)



Button Assignment: Tap Button 1, then the *Unassigned* button to choose a button function. Repeat for buttons 2-10 as necessary. The available AUX circuits displayed are assigned in the Circuits option screen (*page 56).*

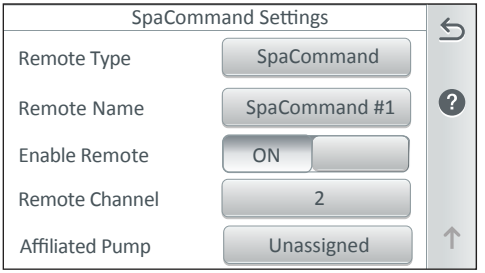
Address Mode ON/OFF: Enable or disable a Remote Channel (1-4).

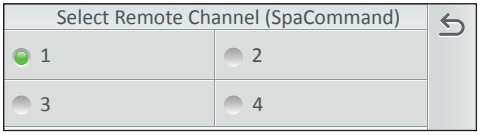
SpaCommand Remote [Advanced System Configuration]



To configure a SpaCommand remote, tap **+ Add Remote** and choose SpaCommand from the Select New Remote screen.

SPACOMMAND SETTINGS





Remote Type: Remote Type is assigned as SpaCommand.

Remote Name: Enter a name and tap Check to save.

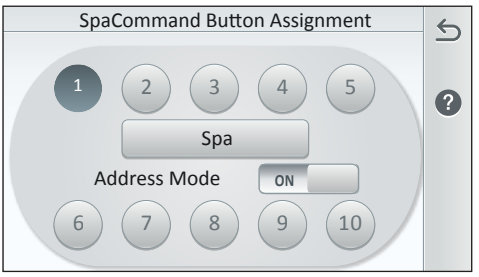
Enable Remote: Turn the remote ON or OFF.

Remote Channel: Select a communication address (1, 2, 3 or 4). The assigned channel will be used to communicate to multiple remotes or to operate individual remotes separately.

Affiliated Pump: Select the pump circuit assigned to the remote. Tap Check to save.

Body: The remote is assigned to Spa. To reassign to a different body of water see page 53.

BUTTON ASSIGNMENTS (1 -10)

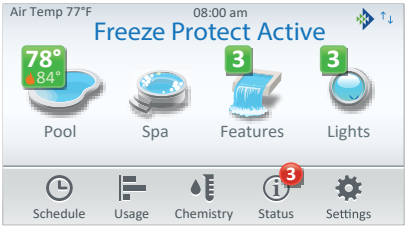


Button Assignment: Tap Button 1, then the *Unassigned* button to choose a button function. Repeat for buttons 2-10 as necessary. The available AUX circuits displayed are assigned in the Circuits option screen (***page 56).***

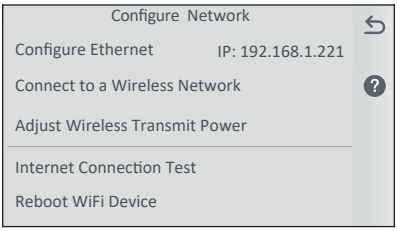
Address Mode ON/OFF: Enable or disable a Remote Channel (1-4).

Network and WiFi Setup [Advanced System Configuration]

1. At the IntelliCenter Home Screen, tap the *Settings Icon* (⚙) at the bottom right of the screen.
2. Scroll to and tap *Advanced System Configuration*.
3. Scroll to and tap *Network and WiFi Setup*.



Network and WiFi Setup Home Screen



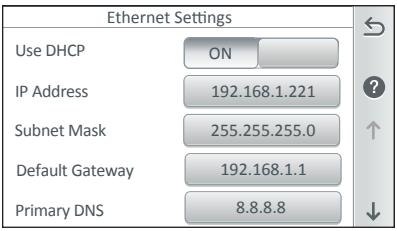
Configure Ethernet: Used to configure a 900 MHz Wireless Link Kit or direct Ethernet connection. Refer to *Configure Ethernet* below.

Connect to a Wireless Network: Used to configure a WiFi Bridge and Antenna connection. Refer to *Connect to a Wireless Network, page 86*.

Adjust Wireless Transmit Power: Wireless antenna transmit strength is no longer adjustable.

Internet Connection Test: Test the strength of the Internet connection between IntelliCenter and the paired WiFi router.

Configure Ethernet



Scan the QR code for a brief instructional video regarding configuring a 900 MHz Wireless Connection

Use DHCP:

- **ON (Default):** IntelliCenter automatically determines the IP address and automatically fills in the remaining information.
- **OFF:** Network information must be entered manually.

IP address: The IP Address assigned to IntelliCenter.

Subnet Mask: 255.255.255.0

Default Gateway: Obtained automatically if using DHCP. If not, it must be manually entered.

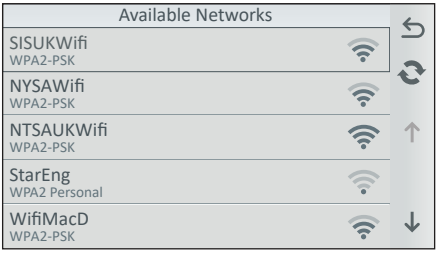
Primary DNS: Server should be provided by the Internet Service Provider.

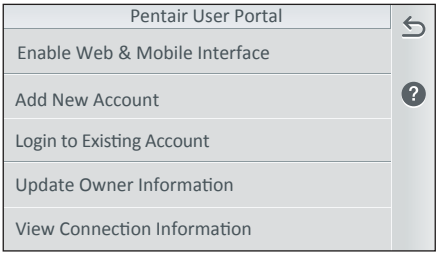
Secondary DNS: A primary DNS server should be configured for a zone, but you may have multiple secondary servers. Both primary and secondary servers provide the same data.

Network and WiFi Setup [Advanced System Configuration]

Connect to a Wireless Network

1. At the Network and WiFi Setup Home screen, tap *Connect to a Wireless Network*.
2. Select the desired network. If you do not see the network, tap the Refresh Icon ( ).
3. Enter the network password.
4. Return to the Network and WiFi Setup Home Screen and tap *Internet Connection Test*.
5. From the IntelliCenter Home Screen, tap the *Settings Icon* ( ) at the bottom right.
6. Tap *Pentair User Portal*.
7. Tap *Enable Web and Mobile Interface* and toggle to ON.

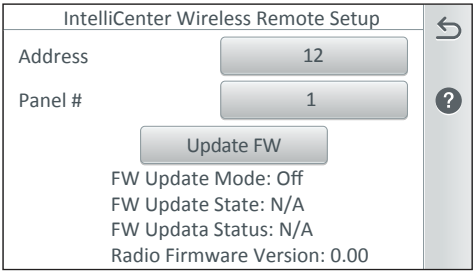


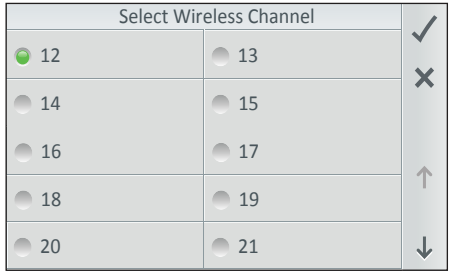


Wireless Remote Setup [Advanced System Configuration]

The IntelliCenter Wireless Remote Kit (P/N 522036) includes a Wireless antenna which connects to an RS-485 port on the Outdoor Control Panel circuit board located in the load center.

Note: Modifications made at the Outdoor or Indoor Control Panels and Wireless Remote automatically synced.





Address: Display the current wireless channel being used. **For most operations address 15 is the default address.** If you should need to change the address, tap the Address button to access the Select Wireless Channel screen and select a different channel from 12 through 25. The unique wireless address communicates to the wireless transceiver located at the IntelliCenter load center.

Panel #: Tap this button to select which Wireless Panel to transmit from. Select either Wireless Panel #1 or Wireless Panel #2.

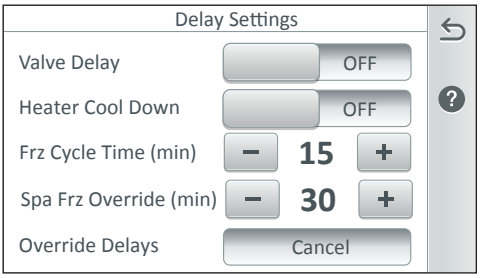
Update FW: Tap Update FW to update the firmware. Abort FW Update to abort the update.

Radio Firmware Mode: Displays the current firmware version of the wireless remote.

Note: The Wireless Remote signal strength and battery icon are displayed on the Home screen.

Delays [Advanced System Configuration]

Delay Settings



Valve Delay ON or OFF (Pool/Spa):
ON: Pool/Spa pump is off (1 minute) during the delay for pool/spa valve rotation.
OFF: No valve delay for Pool/Spa rotation.

Heater Cool Down Delay ON or OFF (Cancel Delay): Some heaters require a cool-down cycle before being turned off. This can be accomplished with a setup procedure in the IntelliCenter which runs the filter pump an additional 5 minutes to dissipate residual heat built up inside the heater combustion chamber. The delay feature is mainly for use by service technicians to shut the filter pump off immediately, and know the heater has not been running.

ON: Activate the pump during a heater cool down.
Pump on during heater cool-down: Select this option if you have a heater or other equipment that requires that the filter pump stay on for ten minutes after the equipment goes off.

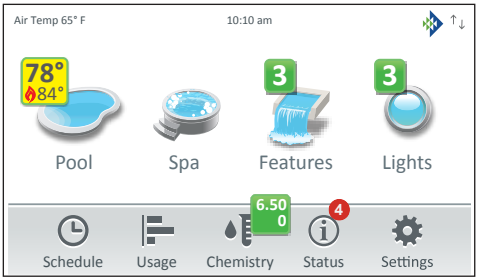
OFF: Heater cool down delay cancel: Shuts OFF the filter pump immediately.

Freeze Cycle Time (min): Set the freeze protection time from 5 to 60 minutes to run the pump during freezing temperatures. Default time is 5 minutes. When active, "FREEZE PROTECT ACTIVE" is displayed on the Home screen.

Spa Freeze Override Time (min): Set the Spa pump freeze override time from 0 to 240 (mins. - 4 hours). This feature overrides the spa pump circuit that has freeze protection active. This allows you run the pump and heat the spa during freezing temperatures. For more information about using the spa during freeze conditions, see page 12.

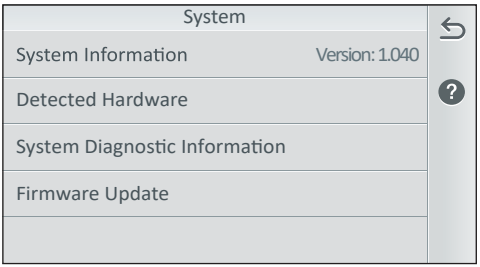
Override Delays: Tap this button to override (cancel) any system delays currently in progress. A Yellow badge displayed on the Home screen indicates a Valve delay is in progress.

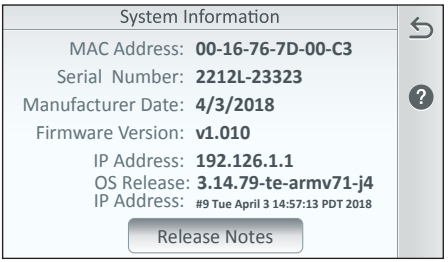
Delay Badge (Yellow): A Yellow badge displayed on the Home screen Pool/Spa icon indicates a Valve rotation (delay) is in progress.

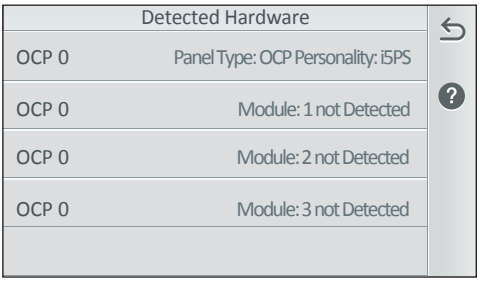


System [Advanced System Configuration]

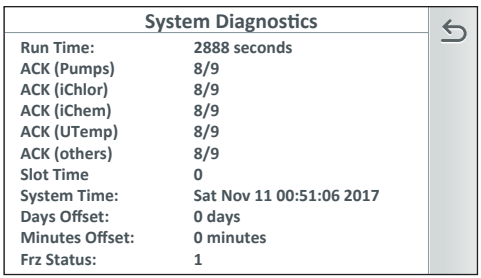
System: Displays the system firmware version: Version 1.010. Tap System Information to display MAC Address, Serial Number, Manufacturer Date, Firmware Version, IP Address and Release Notes.
Release Note: Information about the current system firmware release.



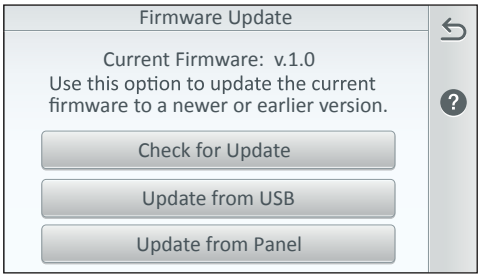




Detected Hardware: Displays the IntelliCenter Panel Type OCP and Personality Card installed): Panel type, and model type (installed Personality Card(s), optional modules). Tap Detected Hardware, then OCP 0 information bar to display installed hardware information.



System Diagnostic Information: Displays the IntelliCenter diagnostic information.



Check for Update: Tap this button to check for the latest firmware version.

Update from USB: Tap this button to display the **Select Firmware File for Update** screen. Using the Up/Down arrows, locate the Update file (.pfw). Tap the file name to begin the update.

Update from Panel: Tap this button to update the update the current firmware to a newer or earlier version from a USB device installed in the Outdoor Control Panel, Indoor Control Panel, Wireless Remote.

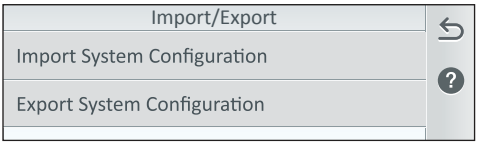
Over-The-Air (OTA) Software Updates

(From software version 1.047)

See page 106 for detail about automatic software updates.

Import/Export [Advanced System Configuration]

Import/Export System Setup Configuration: Use this feature to import or export a system configuration.



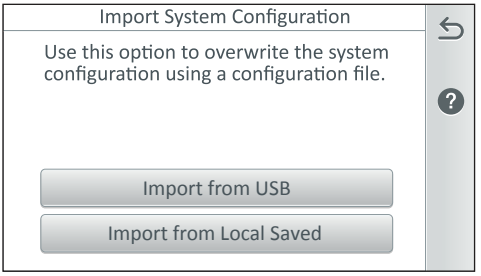
To access the Import/Export screen, tap Settings > Advanced System Configuration > Import/Export.

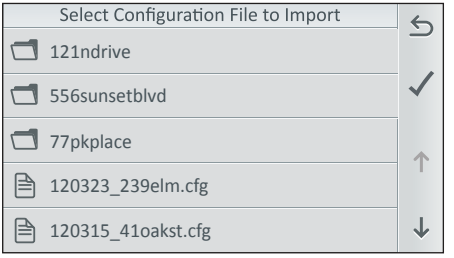
Note: Once a USB device is detected, a USB icon is displayed on the upper right corner of the screen.

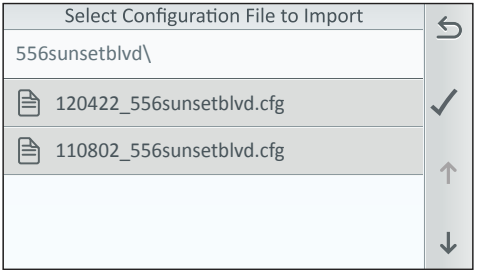
Import System Configuration: Import from USB, or Import from Local Saved. This option will overwrite the system configuration using a configuration file. Navigate to the appropriate folder and select the Configuration file (.cfg) to import.

Import for USB: Insert a USB device into the USB Port on the front of the IntelliCenter Control Panel or the Wireless Remote. Tap **Import from USB** and navigate to the system configuration file .cfg). Follow the on screen instructions to import the system configuration files.

Import to Local: Tap **Import from Local** and follow on screen instructions.

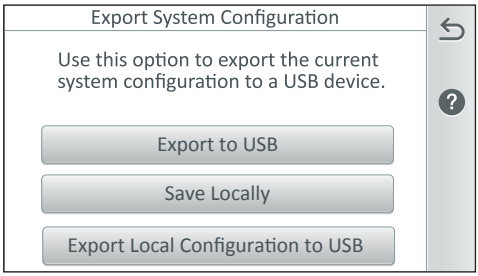




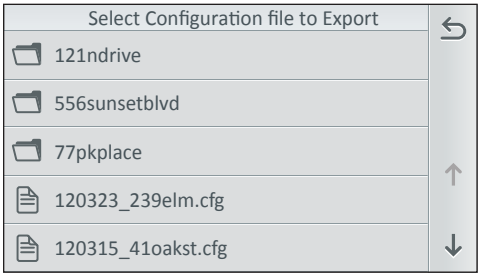


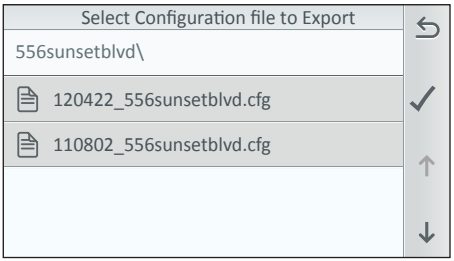
Import/Export [Advanced System Configuration]

Export System Configuration: Export from USB or local. Use this feature to export the system configuration file to a USB device. Select a location for the Configuration file (.cfg) and follow the screen prompts.



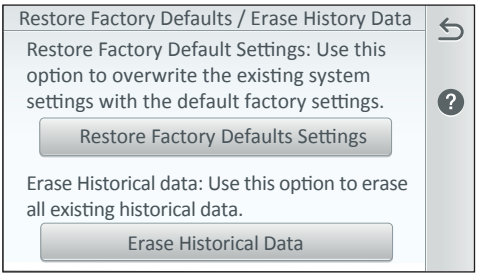






Restore Factory Defaults [Advanced System Configuration]

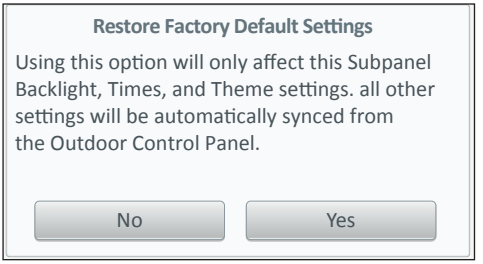
Restore Factory Defaults: Use this feature to overwrite the IntelliCenter configuration with the default factory configuration settings. Tap Settings > Advanced System Configuration > Restore Factory Defaults.



Restore Factory Default Settings: Tap this button to display the next message screen.

YES: Proceed to overwrite the current system configuration with the factory default settings. ***Note: ALL current settings will be lost.***

NO: Tap No to exit this screen and return to the previous screen.



Erase Historical Data: Tap this button to display the next message screen.
YES: Proceed to erase all historical data.
NO: Tap No to exit this screen and return to the previous screen.

Expansion Panel: Restore Factory Default Settings:

Tap this button to display the next message screen.

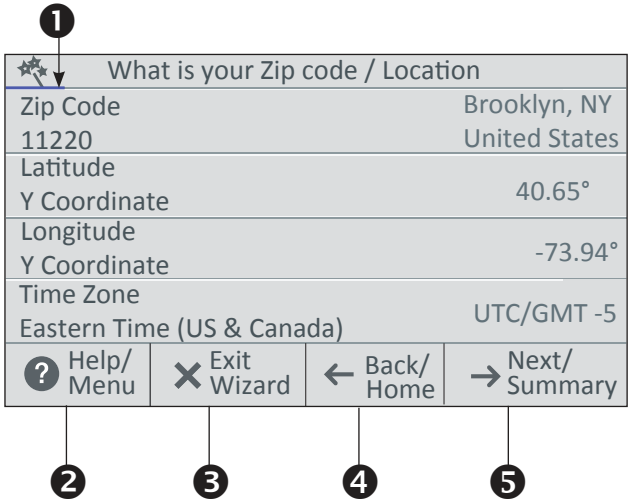
YES: Proceed to overwrite the current system configuration with the factory default settings. ***Note: Only Backlight, Times and Theme settings will be erased from this panel. All other settings will be automatically synced to the Outdoor Control Panel.***

NO: Tap No to exit this screen and return to the previous screen.

Setup Wizard [Advanced System Configuration]

About the Setup Wizard: The IntelliCenter Setup Wizard provides step-by-step screens to assist in setting up the pool/spa equipment. To complete the Setup Wizard can take about 10 minutes. If you are unsure how to configure a setting, skip that setting or tap and hold the Help button to display the MAIN MENU and select another item and continue with the setup. You can always skip a configuration and go back to the Wizard Setup later to change or edit a configuration setting. After the successful completion of the Configuration Wizard, you can edit any individual option and save the final configuration or exit without saving.

Setup Wizard Screen Navigation:
While in the Configuration Wizard, if a power outage occurs or the screen times out, the system will display the Home Screen. Any changes made in the Wizard up to that occurrence will be saved.



❶ **PROGRESS BAR INDICATOR:** The Blue Configuration Wizard progress bar indicates how many options have been completed.

❷ **HELP/MENU:**

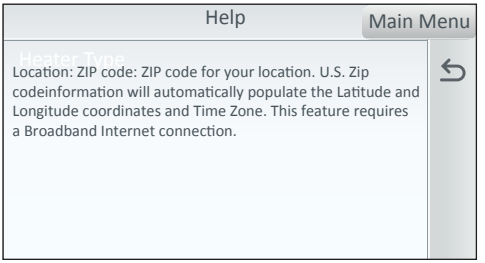
Help: Tap this button to display brief informative information for the current screen.

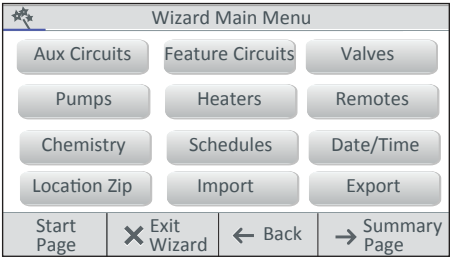
Menu: Tap hold and release to display the Wizard Setup Main Menu items. From this screen you can select which item to configure during the Wizard setup.

Continue to next page.

Setup Wizard [Advanced System Configuration]

Setup Wizard Screen Navigation





Help Screen/Main Menu Button: From any Wizard Setup screen, tap Help/Menu to display the Help screen. Tap the Main Menu button to display the Wizard Main Menu.

Main Menu: Tap the Main Menu button in the top-right of the Help screen to display the Main Menu. Tap and hold the Help/Menu button on any Setup Wizard screen to display the Main Menu.

Start Page: Return to the Wizard "Welcome" screen.

Exit Wizard: Display the Exit Wizard screen (see description below).

Back: Return to the previous screen.

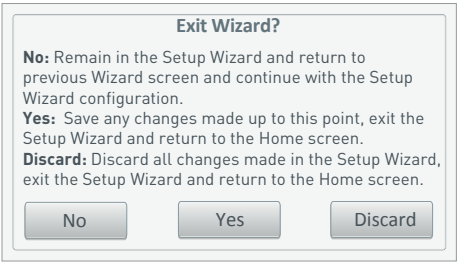
Summary Page: Go to the Summary screen.

❸ **EXIT WIZARD:** Tap the Exit Wizard button to display the Exit Wizard screen:

NO: Remain in the Setup Wizard and return to previous Wizard screen and continue with the Setup Wizard configuration.

YES: Save any changes made up to this point, exit the Setup Wizard and return to the Advanced System.

DISCARD: Discard all changes and exit the Setup Wizard.



❹ **BACK/HOME:** Tap to return to the previous screen. Tap and hold and release to return to the Wizard Setup first "Welcome" screen.

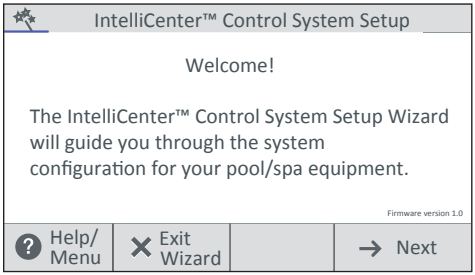
❺ **NEXT/SUMMARY:** Tap this button to proceed to the next Wizard Setup screen or item setting. Tap and hold and release to display the Summary screen (last Wizard Setup screen). Example: Before each Wizard configuration screen a YES/NO option screen is displayed. Tap YES then NEXT to enter the item configuration screen. Tap NO then NEXT to continue to the next option.

Setup Wizard [Advanced System Configuration]

Initial System Power Up

First Time Setup: After all pool/spa equipment has been connected to IntelliCenter, apply power to the system at the main panel circuit breaker. Upon the initial system power up, the outdoor LCD control panel will display the PENTAIR END USER LICENSE AGREEMENT. After reading the agreement and tapping I Accept, the Home screen will display.

Setup Wizard (First Time Setup): To start the Setup Wizard for the first time, from the Home screen, tap **Settings > Advanced System Configuration > Wizard**.

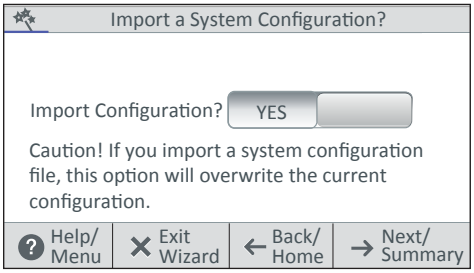


IntelliCenter Setup Wizard: The first Setup Wizard configuration screen, Displays the current system firmware version.

Help/Menu: Tap to display Help text. Tap and hold to display the MAIN MENU options.

Exit Wizard: Tap to exit the Setup Wizard and return to the Home screen.

Next: Tap Next to continue the Setup Wizard and display the Detected Hardware screen.



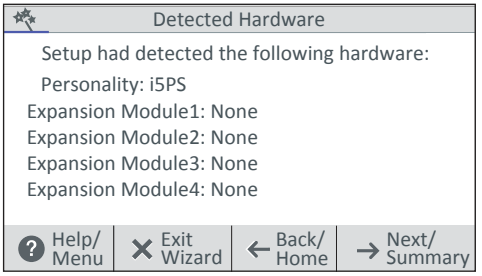
Import System Configuration:
Yes: Use this option to Import a system configuration file (.CFG) from a USB device plugged into the USB Port on the front of the IntelliCenter control panel. ***Note: This option will overwrite the current system configuration.***
No: Tap **No** then **Next** to continue with the Setup Wizard.

Continue to next page.

Setup Wizard [Advanced System Configuration]

Import for USB: Insert a USB device into the USB Port on the IntelliCenter control panel. Tap **Import from USB** and navigate to the system configuration file (.CFG). Follow the on screen instructions to import the system configuration files plugged into the USB Port on the Outdoor or Indoor control panel.

Local or Copy from Remote: These options will overwrite the system configuration using a configuration file. Navigate to the appropriate folder and select the Configuration file (.cfg) to import. For more information, **see page 90.**

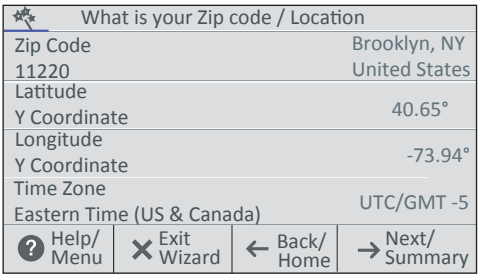


Detected Hardware: Displays the installed IntelliCenter personality card and Expansion Cards (if applicable).

Next: Tap Next to continue to the **Zip Code / Location settings screen.**

Back/Home: Tap Back to go to the previous screen. Tap hold and release to the first Wizard screen.

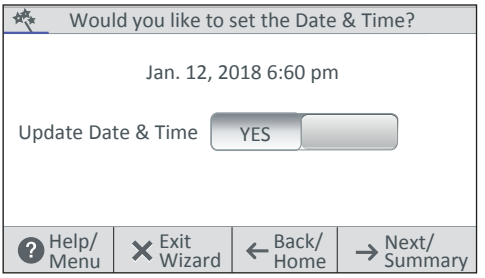
Exit Wizard: Tap this button to exit the Setup Wizard and display the exit options (No, Yes, Discard).



Update date & Time: Tap Yes and Next to update the system date and time.

Clock Mode: Select either 12 hour or 24 hour mode.

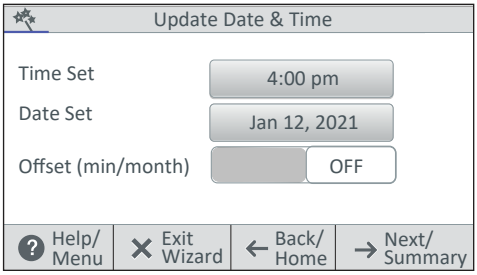
Daylight Saving Time: Select ON to automatically set the yearly daylight saving time for your location. Select NO to manually change the daylight savings time for your location.



Zip Code / Location Screen: After the IntelliCenter has verified the login information successfully, the Location screen is displayed. Tap any setting to update the location information. **See page 40.**

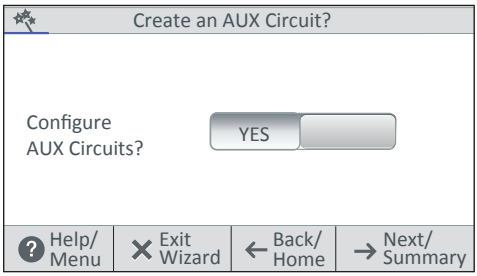
Continue to next page.

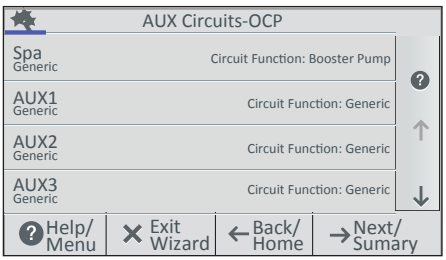
Setup Wizard [Advanced System Configuration]



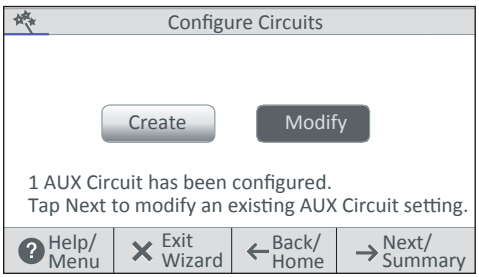
Time Set: Tap the Time Set button and set the current time for your location. Tap Check to save and return to the previous page.
Date Set: Tap the Date Set button and set the current date. Tap Check to save and return to the previous page.
Offset (min/month): Select ON to offset the current time (minutes) and month.

Configure AUX CIRCUITS: Setup system AUX circuits.





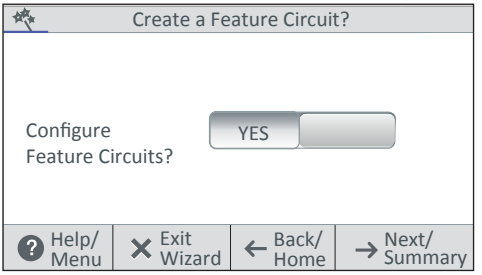
Create AUX Circuit: Tap Yes then **Next** to configure an AUX Circuits. Tap **No** then **Next** to continue to Configure Feature Circuits.
Select an AUX Circuit: Tap on an AUX Circuit name. From the next screen configure the AUX settings:
Circuit Function: Select the Circuit Function.
Circuit Name: Select a Circuit name from the pre-defined list of custom circuits names, then tap Check to save and return to the previous screen. **Note: For a complete list of Circuit Names see page 61.**
Visible in Features: Yes/No. Select Yes to display the selected circuits in the Feature screen on Home screen.
Egg Timer: Select ON to select a manual time-out of 0-12 hours for this circuit. The Egg Time is a specified time delay (hrs/mins) for the circuit, once it is turned on.
Freeze Protection: Assign freeze protection for this circuit. *See page 56 for details.*

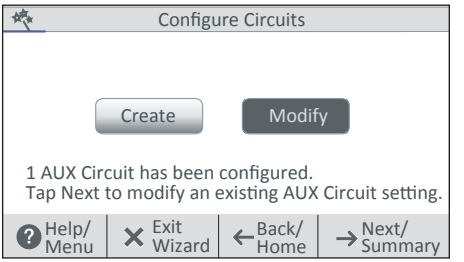


Create / Modify: Tap **Next** after the first AUX Circuit has been configured. The Configure Circuits screen is displayed. Select either **Create** or **Modify** to create a new circuit or modify an existing AUX Circuit. After you have configured all of the available AUX Circuits, tap **Next** to continue to Feature Circuits.

Setup Wizard [Advanced System Configuration]

Configure Feature Circuit(s)?: Configure Feature circuits (a total of 32).





Create / Modify: Tap **Next** after the first AUX Circuit has been configured. The Configure Circuits screen is displayed. Select either **Create** or **Modify** to create a new circuit or modify an existing AUX Circuit. After you have configured all of the available AUX Circuits, tap **Next** to continue to Configure Valves.

Create Feature Circuit: Tap **Yes** then **Next** to configure Feature Circuits. Tap **No** then **Next** to continue to Configure Feature Circuits.

Select a Circuit Function: Tap on either Generic or Spillway for the circuit function. From the next screen configure the Feature Circuit settings:

Circuit Function: Select either **Generic** or **Spillway**. **Tap Next to continue.**

Circuit Name and Type: Select a Circuit name from the pre-defined list of custom circuits names, then tap Check to save and return to the previous screen. **Note: For a complete list of Circuit Names see page 61.**

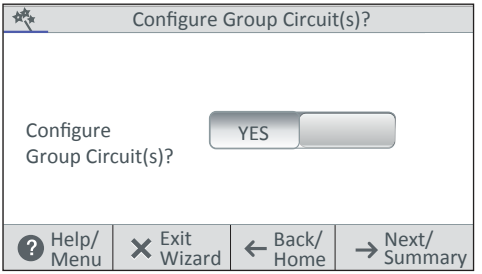
Visible in Features: Yes/No. Select Yes to display the selected circuits in the Feature screen on Home screen. **Tap Next to continue.**

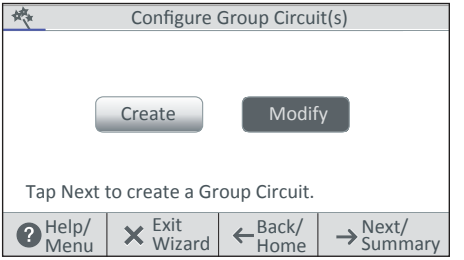
Egg Timer: Select ON to select a manual time-out of 0-12 hours for this circuit. The Egg Time is a specified time delay (hrs/mins) for the circuit, once it is turned on.

Freeze Protection: Assign freeze protection for this circuit. **See page 59 for details.**

Add Feature Circuit: Add more Feature Circuits. **Tap Next to continue to Configure Group Circuit(s)?**

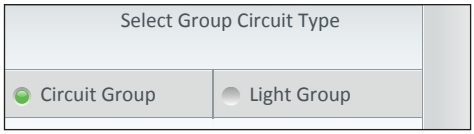
Configure Group Circuit(s)? Configure Group Circuits.



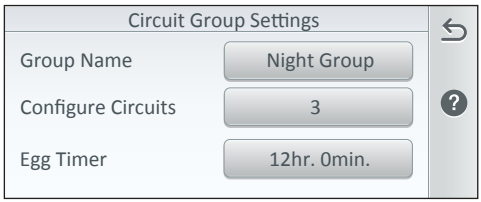


Configure Group Circuit(s)? Select YES or No to continue to Configure Valve(s). The Configure Group Circuit(s) page displays. Select either **Create** or **Modify** to create a new group of circuits or modify an existing group of circuits. After you have configured circuit groups, tap **Next** to continue to Configure Valves.

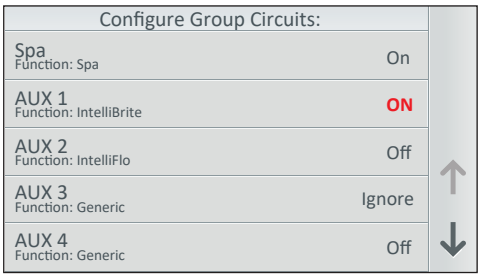
Continue to next page.

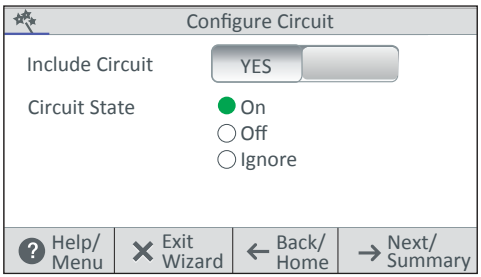


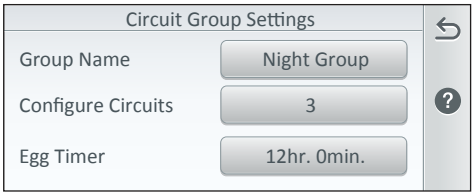
Select Group Circuit Type: Select Circuit Group. Tap **Next** to display the Group Circuit Settings page.



Circuit Group Settings: Tap **Group Name** and enter a name for the circuit group.
Configure Circuits: Tap to display the available circuits to include in this group.





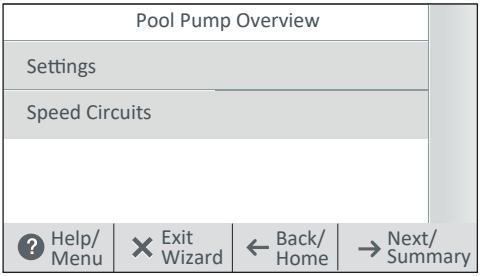


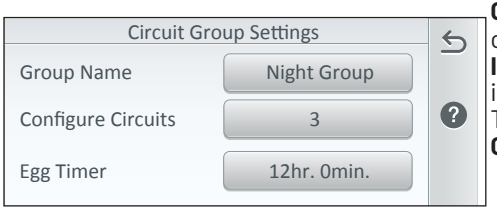
Configure Circuits: Tap the name of the circuit to include in this group.
Include Circuit: Select **Yes** (or No not to include this circuit in this group). The Circuit State ON/OFF/IGNORE displays.
ON: Turn On this circuit in this group.
OFF: Turn OFF this circuit in this group
IGNORE: Include this circuit in the group regardless of the On/Off state. No change to the state of this circuit in this group. If On, Off or Ignore is indicated in **ORANGE** for a circuit, this indicates a possible schedule time overlap could occur. In this case, the last schedule created will take effect. **Tap a circuit name to change the current state.**
Tap **Next** to return to the Configure Group Circuits page. Continue to add circuits to this group as described above.
Tap Next to display the Circuit Group Settings page.
Tap Next to display the Groups page to add another group of circuits or add a LIGHTS circuits group. See next page for LIGHTS circuit groups.

Egg Timer: Tap the Egg Timer button to display the Hours and Minutes button. Tap the Hours and Minutes button to select a manual time-out for the circuit. The Egg Timer is a specified time delay (hrs/mins) for the circuit, once it is turned on manually. **Don't**

Stop: Tap the Hours button until 23 hours is displayed, then tap the button again to display **Do Not Stop**. The Do Not Stop feature will continuously run the circuit until the it is manually turned off.

Setup Wizard [Advanced System Configuration]





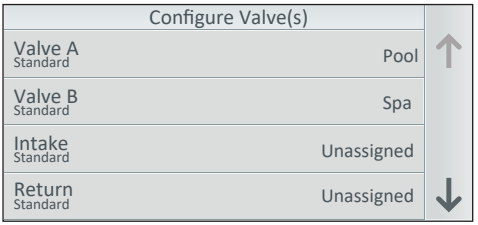
Select Group Circuit Type: Select Light Group. Tap **Next** to display the Group Circuit Settings page.

Light Circuit Group Settings: Tap **Group Name** and enter a name for the lights circuit group.
Configure Circuits: Tap to display the available circuits to include in this group.
Configure Circuits: Tap the name of the circuit to include in this group.
Include Circuit: Select **Yes** (or No not to include this circuit in this group).
Tap **Next** to twice to continue to **Configure Valve(s).**

VALVES

Configure Valves: Tap **Yes** then **Next** to configure a new valve type. Tap **No** then **Next** to continue to Configure IntelliChlor SCG. *See Valve Circuits on page 77.*

Intake (standard), Return (standard): To change the valve name, tap Intake or Return. Tap Valve name, enter the new valve name then tap Check to save and return to the previous screen.



Valve A and Valve B: If the optional Valve Module installed, Valve A and Valve B are displayed. To change the valve name, and assign a circuit to Valve A and Valve B, tap Valve A or Valve B on this screen.

Valve Name: To change the valve name, tap Intake or Return. Tap Valve name, enter the new valve name then tap Check to save and return to the previous screen.

Assigned Circuit for Valve A or Valve B: Tap *unassigned*, and select an AUX circuit for the valve. Tap Check to return to the previous screen. Tap Valve name, enter the new valve name then tap Check to save and return to the previous screen.

PUMPS

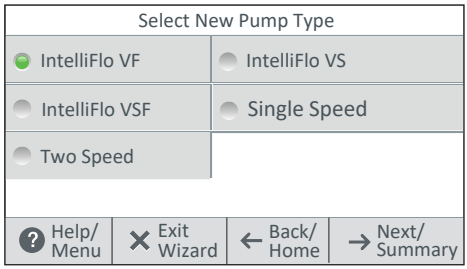
Tap **Yes** then **Next** to configure a new pump (Tap **No** then **Next** to continue to Configure Heaters. *See Pump Settings on page 62.*

Create: Tap **Create** then **Next** to select a new pump type (Single Speed, Dual Speed, IntelliFlo VS, IntelliFlo VF and IntelliFlo VSF) and configure the selected pump settings.

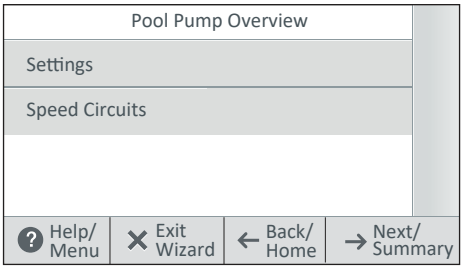
Modify: Tap **Modify then Next** to display the list of configured pumps. Tap New Pump to add a pump. From this screen you can add or delete pumps from the list. When finished with setting up pump settings, tap **Next** to continue to the Configure Heaters screen.

Setup Wizard [Advanced System Configuration]

PUMPS



Select a new pump type (Single Speed, Dual Speed, IntelliFlo VS, IntelliFlo VF and IntelliFlo VSF) and configure the selected pump settings. Tap Next to continue.
Settings: Pump Type: Displays the pump model. **Pump Name:** Tap to select a custom name for the pump.
Pump Address: Select the pump address from 1-16.
Speed Circuits: Tap Speed Circuits to assign a new speed circuit. Tap New Speed Circuit and select an AUX Circuits.
Circuit: Assigned circuit name (Pool).
Speed (RPM or GPM): Set speed from 450-1350 RPM.



IntelliFlo VF Settings: Tap **Settings:** Pump Type (select a different type of pump), Pump Name (enter a name for the pump), Pump Address (select an address for the pump). Tap Back twice. Tap Flow Circuits.

Tap **New Flow Circuits** (to change the pump circuit). **Flow (GPM):** Tap the -/+ button to set the flow rate. Tap Next twice to add another pump or tap Next twice to configure a heater.

IntelliFlo VS Settings: Tap **Settings:** Pump Type (select a different type of pump), Pump Name (enter a name for the pump), Pump Address: select an address for the pump (1-16). Tap Back twice. Tap Speed Circuits.

Tap **Speed Circuits**. Tap New Speed Circuits (to change the pump circuit). **Speed (RPM):** Tap the -/+ button to set the pump speed (450-3450 RPM). Tap Next three times to configure a heater.

IntelliFlo VSF Settings: Tap **Settings:** Pump Type (select a different type of pump), Pump Name (enter a name for the pump), Pump Address (select an address for the pump). Tap Back twice. Tap Speed/Flow Circuits.

Tap **New Speed/Flow Circuits** (to change the pump circuit).

Type: GPM/RPM): Select either GPM or RPM. Tap the -/+ button to set the speed (RPM) or Flow Rate (GPM). Tap Next twice to add another pump or tap Next twice to configure a heater.

Single Speed Pump Settings: Pump Type (select a different type of pump), Pump Name, and Body (pool, spa or pool/spa). Tap Return then Next to continue and add another pump or tap No twice to configure a heater.

Two Speed Pump Settings: Tap Settings: Pump Type (select a different type of pump), Pump Name, Low Speed Circuit and High Speed Circuits. Select a circuit for the low speed and the high speed. You can choose up to (4) four high speed circuits.

Setup Wizard [Advanced System Configuration]

HEATERS

Tap **Yes** then **Next** to configure a new heater (Tap **No** then **Next** to continue to Configure Pumps).

Create (Maximum of three heaters (pool/spa (shared equipment), pool only and spa only): Tap **Create** then **Next** to select a new heat source type (Gas, Solar, Heat Pump, UltraTemp MasterTemp, Max-E-Temp and Hybrid) and configure the selected heat source settings.
Heater Name: Enter a name for the heater.
Affiliated Body: Pool, Spa, or Pool and Spa.
Oprtional settings:
Heat Pump/UltraTemp: Set Start Temperature from 1 -12.
Hybrid: Heater name, select the affiliated body (Pool, Spa, or Pool/Spa), Heater Address from 1-8, Eco-TIme: (1-6). Boost Temp. (1-10 mins). See page 76.

Modify: Tap **Modify then Next** to display the list of configured heaters. Tap New Pump to add a heat source. From this screen you can add or delete a heat source from the list. When finished with setting up heater source settings, tap **Next** to continue to the Configure Remotes screen.
+ Add Heater: Tap **Add Heater t**o display the available heaters. When finished configuring up the heater settings. Tap **Next** to continue to the Configure Remotes screen.

REMOTES (SPA-SIDE)

QuickTouch Remote: See page 82 for more information.

- To setup a **QuickTouch** remote, select Yes. If there is no QuickTouch remote installed, select No and tap Next to continue.
- **Remote Name:** You can change the name of the remote and assign the remote's four buttons equipment functions to control.
- Enable Remote ON/OFF): To enable the remote select ON. Tap Next to continue.
- **Button Assignments:** Tap Configure. Tap Button 1, then tap the AUX circuit button for this circuit. Tap Back and repeat for buttons 2-4. When all buttons have been assigned, tap Return arrow until SpaCommand remote screen is displayed. Tap Next to continue.

SpaCommand Remote: To setup a SpaCommand remote, select Yes. If there is no SpaCommand remote installed, select No and tap Next to continue.

- **Remote Name:** If needed, you can change the name of the remote.
- **Enable Remote (ON/OFF):** To enable the remote select ON. Tap Next to continue.
- **Remote Channel:** Assign a channel from 1-4. Tap Return.
- **Affected Pump:** Select pump assigned to this remote.
- **Button Assignments:** Tap Configure. Tap Button 1, then tap the AUX circuit button for this circuit. Tap Back and repeat for buttons 2-9. When all buttons have been assigned, tap the Return arrow until SpaCommand remote screen is displayed. Tap Next to continue.

Setup Wizard [Advanced System Configuration]

REMOTES

iS10 Remote: To setup an iS10 remote, select Yes. If there is no iS10 remote installed, select No and tap Next to continue.

- **Remote Name:** If needed, you can change the name of the remote.
- **Enable Remote (ON/OFF):** To enable the remote select ON. Tap Next to continue.
- **Remote Channel:** Assign a channel from 1-4. Tap Return.
- **Affected Pump:** Select pump assigned to this remote.
- **Button Assignments:** Tap Configure. Tap Button 1, then tap the AUX circuit button for this circuit. Tap Back and repeat for buttons 2-9. When all buttons have been assigned, tap the Return arrow until SpaCommand remote screen is displayed. Tap Next to continue.

iS4 Remote: See page 81 for more information.

- To setup an iS4 remote, select Yes. If there is no iS4 remote installed, select No and tap Next to continue.
- Remote Name: If needed, you can change the name of the remote.
- Enable Remote ON/OFF): To enable the remote select ON. Tap Next to continue.
- **Button Assignments:** Tap Configure. Tap Button 1, then tap the AUX circuit button for this circuit. Tap Back and repeat for buttons 2-4. When all buttons have been assigned, tap Return arrow until SpaCommand remote screen is displayed. Tap Next to continue.

Chemical Controllers: IntelliChem Controller and IntelliChlor SCG

IntelliCenter supports one IntelliChlor SCG per body of water and up to four IntelliChem Controllers.

Settings: Body Assignment (Pool/Spa, Spa or Pool). **Body 1** is assigned Pool/Spa for shared equipment or choose pool or spa for single body systems, **Body 2** is assigned to Spa for shared equipment systems. This screen displays the body of water assigned to the device. See page 79.

Pool Output Levels: Set the Pool chlorine output levels from 0-100% (50% default).

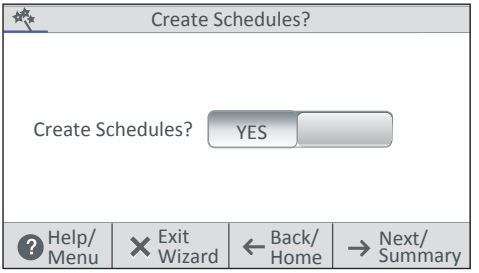
Spa Output Levels: Set the Spa chlorine output levels from 0-100% (20% default). Set the run time percentage to produce chlorine. The higher the percentage the more chlorine is produced.

Note: See page 79 for information about the IntelliChem Controller and IntelliChlor SCG.

IntelliChem Settings: Select the Channel (1-4) for the device. **Body 1** is assigned Pool/Spa for shared equipment or choose pool or spa for single body systems, **Body 2** is assigned to Spa for shared equipment systems. This screen displays the body of water assigned to the device.

Setup Wizard [Advanced System Configuration]

SCHEDULES



Schedules: See page 20 for more information.

- If Yes then Next to configure system schedules.
- If no schedules are required at this time, tap No then Next to continue to the Setup Wizard Summary screen.

Create / Modify: Tap Create then Next and select a circuit to schedule. Tap Modify to change an existing schedule. Select a **Weekly** or a **One Time Only** schedule.
Create a Weekly or Onle Time only Schedule: Select the circuit to schedule. Tap Next.
WEEKLY: **Everyday (days of the week, Weekdays Every day, weekends and No days)**, selected circuit to schedule.
Start Time: Manual, Sunrise and Sunset: Tap the **Up/Down** arrow button to set the manual Start time. Tap **Check** to save and return to the previous screen. Tap **Next** to continue with setting up the Stop Time.
Stop Time: Tap the **Up/Down** arrow button to set the manual Stop time. Tap **Check** to save and return to the previous screen. Tap Next to continue with setting up the Stop Time.
Tap **Next** to continue to Weekly Schedule (**Heat Mode and Heating Temperature**):
Heat Mode: Select Don't Change (use existing heater set point temp. for this schedule) or OFF (turn heater off for this schedule).
Heating Temp: Adjust the desired set point temperature for this schedule.
To exit the Schedules tap Next two times to display the Setup Wizard Summary screen: Date & Time, Zip code, Time Zone, AUX Circuits, Feature Circuits, Valves, Pumps, Heaters Remotes, IntelliChem, IntelliChlor and Schedules.

SETUP WIZARD SUMMARY

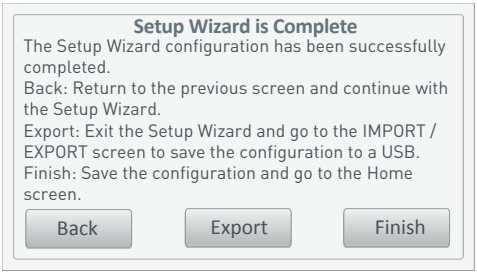


Setup Wizard Summary (Edit Screen): From the Setup Summary screen you can review the changes you have made to the system. If modifications are necessary, tap the item and make the changes. If everything appears to be correct, press **Next** to proceed to the Setup Wizard "Finish" screen.

Continue to next page.

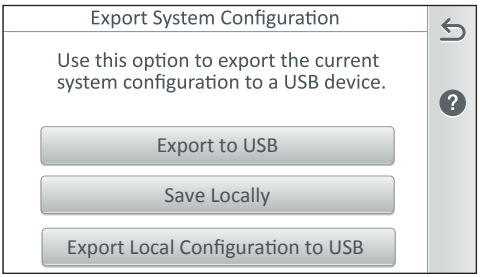
Setup Wizard [Advanced System Configuration]

Setup Wizard Complete



Back: Return to the previous screen and continue with the Setup Wizard.

Export: Go to the Export System configuration screen. Tap Yes then Next, select a folder location, tap Check to save the export file. Tap OK to return to Wizard Complete screen. Tap No then Next to return to the Wizard Complete screen. Tap No IMPORT / EXPORT screen to save the configuration to a USB. **See page 90.**



Export System Configuration: Tap Export to USB flash drive to export the current system configuration.

Export to Local: Tap Export to Local to save the current system configuration.

Back: Return to the Create Schedule screen.

Finish: Save the configuration and go to the Home screen. "Rebooting the System" is displayed, then the Home screen is displayed. The Setup Wizard has been successfully completed.

Over-The-Air (OTA) Updates

IntelliCenter can receive firmware updates via WiFi. When available, firmware updates will automatically be downloaded to the Indoor and Outdoor Control Panel (OCP), Wireless Remote and Expansion panels in silent mode. Once this process has been completed, in background while the system is operating, all Sub-Panels will display a message dialog indicating a new software update is ready to install.

Note: For firmware versions before version 0.20, be sure to configure (enable) all system panels as described on page 110 to receive Over-The-Air (OTA) software updates.

Home Screen (Outdoor Control Panel) Master Panel: When n firmware update message dialog is displayed on the panels, it indicates that the firmware update has been downloaded to the system and is now ready to install. You can accept or reject the update:







- During the firmware download process to the Outdoor Control Panel (OCP) master panel, the download firmware version icon and the completion percentage is displayed (top right of OCP screen). After the download process has been competed the following dialog boxes are displayed.
- **No:** Do not accept the latest firmware update at this time. This update will not occur again and until the next time new a firmware version update is available.
- **Yes:** Accept and start the firmware update for all configured panels.

  ***Note:** If needed, see page 110 for panel configuration instructions. Note: Pumps and other equipment operating on schedules will momentary reset after the firmware update is completed.*

Continue to next page.

Over-The-Air (OTA) Updates (Panel Mismatch)

- **Manual Firmware Update Option (USB) Update Later:** If you chose not to install the latest firmware update, you can copy it to a USB device from the outdoor panel and install it onto other panels that are mismatched and not yet updated.
- **Firmware Updates from http://www.pentair.com/poolsoftwaredownloads**

  If you chose not to install the latest firmware update when it was available, you can download the latest version from the link shown above, then copy it to a USB device from the outdoor panel and install it onto other Expansion panels that were not updated. ***Note: If needed, be sure to configure (enable) all system Sub-Panels. See "Configure Expansion Panel" below.***





Mismatch Firmware detected (on Sub-Panels): If a Firmware update was unsuccessfully installed on a sub-panel, a MISMATCH message is displayed ("Version Mismatch Detected") on the panel that does not match the firmware version on the Outdoor Control Panel (OCP) master panel.
Note: If for example the wireless remote was asleep when a firmware update was attempted, the system will indicate there is a firmware mismatch between the main OCP and wireless remote.

Firmware Update Dialog Box (manual USB option): From this dialog box you can update the mismatched panel as follow:

- **Download the latest firmware from http://www.pentair.com/poolsoftwaredownloads**, then this update file to a USB device.
- Tap "Update from USB" to install the latest firmware onto the mismatched panel.
- **Configure Expansion Panel:** Use this option to configure a Sub-Panel that is not configured to accept OTA firmware updates.





Enabling All System Panels (for software versions up to 1.047)

For software versions up to 1.047 the IntelliCenter can receive software updates via a wireless router connection. Software updates will automatically push to the indoor and outdoor control panel, wireless remotes and expansion panels while the system is operating.

To receive over-the-air software updates, configure all the system panels as described below:

1. Configure the ICP on both OCP and ICP: From the Main Outdoor Control Panel Home screen, tap Settings > Advanced System Configuration > IntelliCenter Indoor Panel Setup > Indoor Panel #1 (Repeat if a second ICP (#2) is connected). Repeat this procedure again for the ICP, starting from the ICP Home Screen. Select Assign this Panel to Indoor Panel #1 (on the Indoor Panel Enable screen). If configuring a second ICP (#2), then select Assign this Panel to Indoor Panel #2.

2. Configure the WCP on both OCP and WCP: From the Main OCP Home screen, tap Settings > Advanced System Configuration > IntelliCenter Wireless Remote Setup. The Wireless Remote Setup screen is displayed. Tap Enable Panel (On). Use the Wireless Channel button to select an address (default is 15). Note: Be sure to match the same Channel # for the WCP and OCP. Repeat this procedure again for the WCP, starting from the WCP Home Screen. Note: If the wireless channel number is changed, be sure to change the Wireless Repeater channel to the same channel number.

3. Configure the XCP from the OCP Home Screen (#1, #2, or #3 if system has more than 1 XCP):
    a. Tap Settings > Advanced System Configuration > Installation Setup > Body Configuration.
    b. Select Expansion 1 (disabled) XCP1 (for XCP#1).
    c. On the Panel Identification screen, select Enable/Disable and tap the Enable button.
    d. Tap the Return button, then select i5x (5 Relays).
    e. If the i10x kit is installed, select i10x on the Expansion Panel Daughter Card screen instead of i5x.
    f. On the Expansion Panel Daughter Card screen, tap Return.

4. Configure Expansion Panels (XCP #1, #2, or #3):
    a. Tap Settings > Advanced System Configuration > Installation Setup > Body Configuration. Repeat steps 3a to 3f above, except for 3c:
    b. After selecting Enable/Disable select Assign this Panel to Expansion 1 (if this is XCP #1) and tap the Return button.
    c. Repeat Steps 4a to 4b to configure XCP #2 and XCP #3

5. Once all the Panels are configured (enable), check that the system panels have the same firmware version and are fully functional.