

Setup IntelliChlor® Salt Chlorine Generator

1. Press **Menu button** > **Down button** to SETTINGS > **Right Button** > **Down Button** to INTELLICHLOR
2. Press **Down button** to "POOL".
3. Press **Right button** (circuit 1/2 will blink).
4. Press **Right button** > **Up Button** "YES" to enable.
5. Press **Right button** POOL "Level 50%" blinks.
6. Press **Up button** to increase or **Down button** to decrease chlorine output (0% to 100%).
7. Press **Right button** SPA "0%" blinks.
8. Press **Up button** to increase or **Down button** to decrease chlorine output. Values are from 0% to 20%. When the spa is switched on, to prevent over chlorination of the spa, the system automatically lowers the chlorine output level to 1/20th of the current pool output. Example: If the pool output level is set to 60%, when the spa is switched on, chlorination level is reduced to 3%.
9. Press **Right button** to save (1/2 will blink.)

To Superchlorinate

1. Press **Up button** (2 of 2/2 will blink).
2. Press **Right button** (OFF will blink).
3. Press **Up button** (ON will blink).
4. Press **Right button** (24 will blink).
5. To Superchlorinate for 24 hours, press **Right button**. To increase or decrease hours (0 to 72 hrs.) of Superchlorination, press **Up/Down button**.
6. Press **Menu button** 3 times - return to Main screen.

iS4 Spa-Side Remote Controller

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "iS4". Press **Right button** to select "Assign iS4".
3. **iS4:** Press **Up button** (assign first circuit 1/4). Press **Right button** (circuit setting). Press **Up button** (assign first circuit 1/4).
4. Press **Up/Down button** to desired circuit: For IntelliFlo pump speed control select SPA, POOL, AUX 1-3, FEATURE 1-2, SOLAR (if enabled), NONE).
5. Press **Right button** (assign next circuit).
6. Press **Up/Down button** to desired circuit name. Repeat steps 3-4 to assign a circuit.
7. Press **Menu button** to save.

QuickTouch® II Remote Controller

Note: Before configuring QT4 assign names to circuits, see "**Assigning Circuit Names**".

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "QT4." Press **Right button** to select "Assign QT4."
3. Press **Up button** (assign first circuit 1/4)
4. Press **Right button** (circuit setting).
5. Press **Up/Down button** to desired circuit (SPA, POOL, AUX 1-3, FEATURE 1-2, SOLAR (if enabled), NONE).
6. Press **Right button** (assign next circuit 2/4).
7. Press **Up/Down button** to desired circuit name. Repeat steps 3-6 to assign (3/4 and 4/4 circuits).
8. Press **Menu button** 3 times when done to return to Main screen.

Setup IntelliBrite® LED Lights and MagicStream® Laminars

1. Assign a **Circuit Name** to an AUX circuit (see "**Assigning Circuit Names**").
2. Assign light circuit to a light function (see "**Assigning Circuit Functions**") Select "IntelliBrite" or "Magicstream."
3. Press **Menu button** then press **Right button** "LIGHTS".
4. Press **Down button** then **Right button** to select "Config."
5. Press right button then Up/Down button to select the "IntelliBrite" or "MagicStream" circuit name.
6. Press **Menu button** to "Lights" then Right button to select IntelliBrite "Mode" or "Colors" or MagicStream features.

Erase Memory (Start Again)

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Up button** to Erase EEPROM.
2. Press **Right button** ("NO" will blink).
3. Press **Up button** ("YES" will blink).
4. Press **Right button** - Are You Sure? ("NO" will blink). Press **Up button** ("YES" will blink).
5. Press **Right button** to select, erase and restore default settings.

NOTE: INTELLIFLO® PUMP AND CLEANER INTERLOCK:

The PL4/PSL4 Control System can support one IntelliFlo pump, ADDRESS #1, this assures that it is automatically interlocked to the cleaner pump. In order to safeguard the IntelliFlo pump and other equipment such as a pressure side cleaner booster pump, the PL4/PSL4 Control System monitors the main pump (if it is an IntelliFlo pump). If the pump stops, the control system will delay the cleaner function. This may take as much as 30 seconds. The PL4/PSL4 Control System will hold the cleaner off until the pump is running again. When the pump is running again the control system will restart the cleaner delay, as if it was just starting to insure water in the plumbing.

PI4/PSL4 Wireless Controller Setup

1. From EasyTouch control panel press **Menu**.
2. Press **Down button** - Select "SETTINGS".
3. Press **Right button**.
4. Press **Up button** up to "Wireless Address".
5. Press **Right button** to select. "Address Wireless scanning" is displayed. Then "Sending Address" will display.
6. Repeat steps 1-5 from wireless handheld. "Address Found" will be displayed.
7. Press **Menu button** on control panel 3 times to return to Main screen.

Important Note:

1. After you plug in a transceiver or power up the unit, wait at least 60 seconds before addressing the unit.
2. If the wireless unit times out and power off before locking on the address, set the auto power off time to 5 minutes then start the addressing. **Remember to set it back to 1 minute after it is working or battery life is greatly decreased.**
3. If you are working with multiple sets of transceivers and handhelds make sure you keep them separated into sets.

Clock, Set Time and Date

1. Press **Menu button**.
2. Press **Down button** to "SETTINGS".
3. Press **Right button** 2 times (1/2 will blink).
4. Press **Right button** ("Month" blinks).
5. Press **Up/Down button** until desired month.
6. Press **Right button** to select ("Day" blinks).
7. Repeat steps 4-5 for **Day, Year, Day, Hour, Minutes** and **AM/PM**.
8. Press **Right button** to select (1/2 will blink).
9. Press **Up/Down button** until 2/2 blinks.
10. Press **Right button** ("MAN" LED will blink).
11. Press **Up/Down button** until "AUTO" LED blinks.
12. Press **Right button** to select.
13. Press **Menu button** 3 times (return to Main screen).

Assigning Circuit Names

- **Circuit#1-7** (Cir. 1-7 do not correlate with AUX buttons)
- **Circuit#1** is ALWAYS SPA (includes POOL ONLY)
- **Circuit#2** is ALWAYS POOL.
- **Circuit#3** is AUX #1, Circuit #4 is AUX #2, etc.
- **Circuit#6** is FEATURE Circuit#1, **Circuit#7** is FEATURE Circuit #2 -

Note: AUX circuit buttons can be used with or without a relay connected. Use Feature circuits to save using a relay circuit. Feature circuits do not require a relay.

1. Press **Menu button**.
2. Press **Down button** to "SETTINGS".
3. Press **Right button** to select.
4. Press **Down button** to "CIRCUIT NAMES".
5. Press **Right button** to select the circuit number (circuit 1/18 will blink).
6. Press **Up button** press 2 times (3/7 will blink) to assign the circuit number and its physical circuit (starting with **AUX 1**) or select another circuit to name (SPA, POOL, AUX 1-7, Ft. 1 - Ft. 2).
7. Press **Right button** to display the default circuit name on the next line.
8. Press **Up/Down button** to change the circuit name.
9. Press **Right button** to select the next circuit number and physical (3/7 will blink).
10. Repeat Steps 6 - 9 to assign a circuit name to the next physical circuit.
11. Press **Menu button** 3 times to return to Main screen.

Assigning Circuit Functions
Booster Cleaner

1. Press **Menu**, then **Down button** to "SETTINGS".
2. Press **Right button** to select.
3. Press **Down button** to "CIRCUIT FUNC.".
4. Press **Right button** (SPA will blink).
5. Press **Up button** until AUX 2 displays (AUX 3 may also be used). AUX 3 is set to MSTR CLEANER.
6. Press **Right button** to select (GENERIC blinks).
7. Press **Up button** one time (MSTR CLEANER blinks).
8. Press **Menu button** 3 times to return to Main screen.

For valve operated water feature

1. Press **Menu**, then **Down button** to "SETTINGS".
2. Press **Right button**.
3. Press **Down button** to VALVES.
4. Press **Up/Down button** to already assigned pre-named water circuit for VALVE A.
5. Press **Right button** to select.
6. Press **Menu button** 3 times to return to Main screen. Note: FREEZE protect the pool circuit only!

Spillway

1. Press **Menu**, then **Down button** to "SETTINGS".
2. Press **Right button** to select.
3. Press **Down button** to "CIRCUIT FUNC.".
4. Press **Right button** (SPA will blink).
5. Press **Up button** to Spillway circuit. (You must have already assigned spillway in circuit names.)
6. Press **Right button** (GENERIC will blink).
7. Press **Up button** to SPILLWAY.
8. Press **Right button** (NO will blink).
9. Press **Menu button** 3 times to return to Main screen.

Feature Circuits

There are a maximum of 2 Feature Circuits available to control valve actuators, pump speeds, spa spillway, 2-speed pump (switch to high speed). Using an iS4, QuickTouch® II Wireless Controller, you can also assign Feature Circuits to control pump speeds, and other functions (see iS4, ans QuickTouch II Controller).

Feature Circuits (Switching ON/OFF)

Each of the 7 assigned Feature Circuits can be switched ON or OFF from the PL4/PSL4 Control System Indoor Control Panel, Wireless Controller, iS4, and QuickTouch II Controller.

1. Press **Menu button (F. Circuits)**.
2. Press **Right button** FEATURE 1 [OFF].
3. Press **Right button** to turn Feature Circuit 1 ON or OFF.
4. Press **Up/Down button** to select Feature Circuit 2 ON or OFF.
5. Press **Right button** to turn Feature Circuit 2 ON or OFF.
6. Press **Menu button** 3 times to return to Main screen.

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Pump Speed Control Using a Feature Circuit (For IntelliFlo® VS, VSF+SVRS and VF pump

The following describes how to assign Feature Circuit 1 to run the spa jet IntelliFlo VS pump at 3000 RPM. *Note: Feature Circuits can also be "Scheduled" to run at a specific time. See "Schedules" for details.*

Select the pump type:

1. Press **Menu** then **Down button** to "SETTINGS".
2. Press **Right button, Down button** (IntelliFlo) and **Right Button** to "Pump #1". Press **Right button** 2 times to "Pump Type #1". Press **Up/Down button** to select "Y" then press **Right button**. Press **Up/Down button** to select **Pump # 1 Type (NONE, VF, VS and VSF+SVRS)**. Select **VS** (for this example) **Press MENU button** to save pump type.
4. Press **Down button** and Press **Right button** to select the "Speed" menu.
5. Press **Right button** (circuit 1/7 will blink).
6. Press **Right button** to select RPM (1000 will blink). Use **Up/Down button** to adjust the RPM (3000).
7. Press **Right button** to select Circuit. **Press Up/Down button** to select "FEATURE 1."
8. Press **Menu button** 3 times to return to "Settings" menu.
9. Press **Up/Down button** to "CIRCUIT." Press **Right button** to access menu.
10. Press **Up button** to select circuit 1/7 (Feature circuit 1 (**Ft. 1** is displayed. Press **Right button** to select the circuit name (e.g. "SPA HIGH").
11. Press **Menu button** 3 times to save and return to the main screen.
12. To switch the Feature circuit ON/OFF, press **Menu button (F. Circuits)**.
13. Press **Right button** FEATURE 1 [ON].
14. Press **Menu button** to save and return to the main screen.

Pump Speed Control Using a Feature Circuit (2-Speed Pump)

The following describes how to assign Feature Circuit 1 to run a 2-Speed pump at high speed (also requires a 2-speed relay installed). *Note: Feature Circuits can also be "Scheduled" to run at a specific time. See "Schedules" for details.*

1. **IntelliFlo setup:** Press **Menu button**. Press **Up/Down button** to "SETTINGS." Press **Right button** to select.
2. Press **Up/Down button** to "2-Speed Pump."
3. Press **Right button** to select (circuit 1/4 will blink). There are four circuits available.
4. Press **Right button** to select Circuit. **Press Up/Down button** to select "FEATURE 1."
5. Press **Menu button** 3 times to return to the main screen.
6. To switch the pump to high speed, press **Menu button (F. Circuits)**.
7. Press **Right button** FEATURE 1 [ON].
8. Press **Menu button** to save and return to the main screen.

Spa Spillway: Using a Feature Circuit

To activate the Spa Spillway effect in a pool/spa combination, all of the pool water will be diverted to the spa then spill back into the pool. Using a Feature Circuit instead of a relay circuit conserves a high voltage relay for other uses. To assign the SPA SPILLWAY to Feature Circuit 1:

1. Press **Menu button**.
2. Press **Up/Down button** to "SETTINGS." Press **Right button** to select.
3. Press **Up/Down button** to "CIRCUIT NAMES." Press **Right button**.
4. Press **Up button** to select circuit 1/7 (Feature circuit 1 (**Ft. 1** is displayed. Press **Right button** to select "SPILLWAY" as the circuit name).
5. Press **Menu button** to save and return to "Settings" menu.
6. Press **Down button** to "CIRCUIT FUNC.." Press **Right button** to select ("SPA" will blink).
7. Press **Up button** and select "SPILLWAY" (the previously assigned circuit).

8. Press **Right button** to select the circuit function.
9. Press **Up button** and select the "SPILLWAY" circuit.
10. Press **Right button** to select Freeze protect, if required ("NO" will blink). Press **Up/Down button** to select "YES."
11. Press **Menu button** 3 times to return to Main screen.
12. To switch the spillway ON using the Feature circuit, press **Menu button (F. Circuits)**.
13. Press **Right button** FEATURE 1 [ON].
14. Press **Menu button** to save and return to the main screen.

Setup Schedules

1. Press **Menu button**. Press **Down button** to SCHEDULES. Press **Right button** to select: SPA, POOL, AUX 1-3, FEATURES 1-2.

Pool and Spa Combo

1. Press **Right button** to select "SPA" if a run time is desired for spa, if no run time is desired, then;
2. Press **Menu button**. Press **Down button** to "POOL" and repeat steps. Press **Right button** (NONE will blink).
5. Press **Up button** (NEW will blink). Press **Right button** (1 in 1/1 will blink). Press **Right button** 2 times (HOUR "8" will blink). Press **Up button** to desired Start time (AM or PM). Press **Right button** to select (MIN will blink). Select Minutes if desired.
6. Press **Right button** (Stop hour will blink). Press **Up/Down button** to stop hour (AM or PM). Press **Right button** (MIN will blink). Press **Up/Down button** to desired minute. Press **Right button** to select (Sunday will blink).
7. Press **Up/Down button** (S with bar on top = enabled. S without bar = not enabled).
8. **Repeat Step 14 and 15** for remaining days.
9. Press **Menu button** to save. *Note: If run time is the same everyday of the week Press Menu. Repeat steps for run times for remaining circuits if desired.*

Pool Only

1. Press **Down button** to "POOL". Press **Right button** ("NONE" will blink). Press **Up button** ("NEW" will blink).
4. Press **Right button (1/1** will blink). Press **Right button** 2 times (Hour "8" will blink). Press **Up button** to desired start time. Press **Right button** to select ("MIN" will blink). Select "Minutes" if desired.
5. Press **Right button** ("STOP HOUR" will blink).
6. Press **Right button** ("MIN" will blink). Press **Up/Down button** to desired minute. Press **Right button** to select ("S" will blink). *Note: If run time is the same for everyday of the week Press Menu. Repeat Steps 1-11 for run times for remaining circuits if desired.*

Setup Heater (Pool or Spa Temperature)

1. Press **Menu button**. Press **Down button** to "HEAT".
3. Press **Right button** 2 times to "POOL Temp/Src."
4. Press **Up/Down button** to desired temperature.
5. Press **Right button** to select heater ("OFF" blinks)
6. Press **Up/Down button** to "HEATER." Press **Menu button** to return to heat settings. Press **Down button** to "SPA Temp/Src". Press **Right button** to heat spa setting.
7. Press **Up/Down button** to desired temperature.
8. Press **Right button** to select heater ("OFF" blinks)
9. Press **Up/Down button** to "HEATER".
10. Press **Menu button** 3 times - return to Main screen.

Setup Heat Pump (UltraTemp® Heat Pump)

1. Press **Menu button**.
2. Press **Down button** to "SETTINGS". Press **Right Button**. Press **Down button** to "HEAT PUMP COM".
3. Press **Right button** 2 times to "SETTINGS". Press **Up button** to enable "Heat Pump Com" ENABLE: (YES). Press **Right button** to "HEATING." Press **Up/Down button** use heating only (YES).
4. Press **Right button** to "COOLING". Press **Up/Down button** to use cooling only or cooling and heating if reversible unit (YES). Press **Menu button** 4 times to return to Main screen.

Setup Solar Heat

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button**. Press **Down button** to "SOLAR". Press **Right button (1/3** will blink).
3. Press **Right button** (ENABLE). Press **Up button** (YES) to enable solar heating. Press **Right button** (HEAT PUMP). Press **Up button** ("YES") solar as a heat pump (if required). Press **Up/Down button** to select 2/3 page. Press the **Right button** to select Freeze Enable: Press **Up/Down button** to select (YES).
4. Press the **Right button** to select Night Cool. Press **Up/Down button** to select (YES). Press Right button to select 3/3 page. Press the **Right button** to select Start Temp Diff. (6° default). Press **Up/Down button** to adjust the start temperature. Press the **Right button** to select Stop Temp Diff. (3° default) Press **Up/Down button** to adjust the stop temperature.
6. Press **Menu button** 3 times save and return to main screen.

Manual Heat [On/Off]

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select. Press **Down button** to "MAN HEAT [ON/OFF]". Press **Right button** to switch ON or OFF.
2. Press **Menu button** twice to return to Main screen.

Set Password Protect (if no button activity after 10 mins. passcode required to access panel)

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select. Press **Down button** to "SET PASSWORD." Press **Right button** to select. Press **Up button** to assign first digit (0-7). Press **Right button** to set next digit (0-7). Repeat step 4 to set remaining two digits. Press **Right button** to enable panel lock out. Press **Up button** to enable password "YES."
2. Press **Menu button** 3 times to return to Main screen.

Setup IntelliFlo® VS, VF and VSF Pump

Note: ONLY 1 PUMP CAN BE CONTROLLED BY THE PL4/PSL4 CONTROL SYSTEM. Be sure to assign the pump to address #1 and set the INTELLIFLO AND CLEANER INTERLOCK.

Select the pump type:

1. Press **Menu** then **Down button** to "SETTINGS".
2. Press **Right button, Down button** (IntelliFlo) and **Right Button** to "Pump #1".
3. Press **Right button** 2 times to "Pump Type #1".
4. Press **Up/Down button** to select "Y" then press **Right button**.
5. Press **Up/Down button** to select **Pump # 1 Type (NONE, VF, VS and VSF+SVRS)**. Press **MENU button** to save pump type.

Select Pump Options (VF, VS and VSF+SVRS)

6. Press **Up/Down button** to select pump options and Right button to change settings screens. Use the **Left/Right buttons** to select a setting/value and **Up/Down button** to change setting/value.

IntelliFlo VS options: Speeds, Priming, Status

IntelliFlo VSF+SVRS options: Flows (GPM)/Speeds (RPM), Status.

IntelliFlo VF options: Filt. Circuit, Flows (GPM), Filtering, Priming (flow/time), Backwash, Vacuum, Status.

Assign a pump Circuit or Feature Circuit Pump for VS, VSF+SVRS or VF)

7. Press **Right button** to select **Circuit** or **Feature Circuit** to match speed. Circuit selection: NONE, SPA, POOL, AUX 1-3, FEATURE 1-2, HEATER, POOL HEATER, SPA HEATER, FREEZE, POOL/SPA, and SOLAR/HEAT.
10. Press **Menu** to save setting and return to settings. *Repeat steps 7-10 for each Circuit or Feature Circuit that requires a custom speed.*
12. Press **Menu button** 4 times to return to Main screen.

IntelliChem® Controller

(IntelliChem Controller connects to PL4/PSL4 Control System COM port via RS-485 communication cable)

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "IntelliChem" Press **Right button** to select.

IntelliChem options: PH/ORP Values, Status, Sat Index

3. Press **Right button** to select **PH/ORP Values**. Displays the current pH set point value above. Adjust the pH set point to meet pool and spa chemistry standards.
4. Press **Up button** to adjust **pH Set Point** (range is from 7.2 to 7.6 in increments of 0.1). The default pH set point value is 7.5.
5. Press **Right button** to select **ORP Set Point**. Displays the current ORP set point value. Adjust the ORP set point to meet pool and spa chemistry standards.
6. Press **Up button** to adjust ORP Set Point (range is from 650 to 800 in increments of 10. The default ORP set point value is 700.
7. Press **MENU** to save and return to previous screen.
8. Press **Right button** to select **Status**. Displays the current communication link between EasyTouch and IntelliChem via the RS-485 cable. IChem Comm Error: Check the RS-485 communication cable is connected to the COM port on the EasyTouch circuit board. Press **Right button** to **ICHEM**. Press **Up/Down** to switch IntelliChem OFF/ON.

Level Gauge indicator: Press the **Up/Down button** to "fill" the gauge icon so that it visually represents the same amount of acid available in the container. Press Up/Down button six (6) times to fill the gauge (three times to half fill the gauge). Six horizontal bars represent chlorine (or bromine) supply is full. One bar indicates the supply is nearly empty. **Note: IntelliChem must also be set up to use the IntelliChlor SCG either with the IntelliChem AUTO SETUP Wizard or the Configuration/Hardware/ORP Control/Doser Type.** **Sat Index:** To access the Sat Index settings, press the **Up/Down button** then press the **Right button**. Use the **Up/Down** button to adjust the levels/values for: CH (calcium hardness), TDS (Total Dissolved Solids), TA (total alkalinity), CYA (cyanuric acid) and TMP (current temperature). Note: See table below for ideal Saturation Index levels.

SI: The saturation Index is displayed. IDEAL: Optimum levels.

CORROSIVE or SCALING:

Press the Menu button three times to return to the main screen.

Use the online Langelier Saturation Index (LSI) calculator to diagnose the water balance in your pool or the IntelliChem built-in LSI calculator. Refer to: <http://www.pentairpool.com/pool-owner/resources/calculators/langelier/>