

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 or iS10, SpaCommand Spa-Side Remote Controller

Note: Assign buttons to **PUMP INCRS**, **PUMP DECRS** circuits to control an IntelliFlo VS, VSF or VF pump speed. Each successive press of the assigned button will increase or decrease (in defined step speed increments) the pump speed as set in the "10B Pump Cntrl" menu. *Note: Before assigning buttons, see **Assigning Circuit Names** and **Setup IntelliFlo VS/VSF/VF Pump***

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "iS4" or "10 Butn Spa Sd." Press **Right button** to select "Assign iS4" or "Assign 10 BtnSS."
3. **iS4:** Press **Up button** (assign first circuit 1/4). Press **Right button** (circuit setting) or **iS10 & SpaCommand®:** Press **Up button** (assign first circuit 1/4). Press **Up button** to select **TOP ROW buttons** (first circuit 1/5) or **BOTTOM ROW buttons** (first circuit 1/5).
4. Press **Up/Down button** to desired circuit: For IntelliFlo pump speed control select **PUMP INCRS**, **PUMP DECRS** or select SPA, POOL, AUX 1-7, FEATURE 1-8, SOLAR (if enabled), HEAT BOOST, HEAT 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.
8. Press **Up/Down button** to "10B Pump Cntrl"
9. Press **Right button** to assign iS4, iS10 or SpaCommand (Spa Side Pump#1) pump speed control settings as set in the IntelliFlo menu "PUMP # and TYPE."
10. Press the **Right button** to select "Step RPM" Use the **Up/Down button** to adjust the step pump speed (10-240) in increments of 10 RPM.
11. Press the **Right button** to select "Step Size" Use the **Up/Down button** to set the step pump speed (RPM or GPM), starting in increments of 10 to 250 (each time the button is pressed).

QuickTouch® 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 1-7, FEATURE 1-8, SOLAR (if enabled), HEAT BOOST, HEAT 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 AND CLEANER INTERLOCK: EasyTouch can support two IntelliFlo pumps, but the main circulation pump must be on PUMP ADDRESS #1, this assures that it is automatically interlocked to the cleaner pump. Pump #2 will operate as normal. In order to safeguard the IntelliFlo pump and other equipment such as a pressure side cleaner booster pump, EasyTouch monitors the main pump (if it is an IntelliFlo). If the pump stops, EasyTouch will delay the cleaner function. This may take as much as 30 seconds. EasyTouch will hold the cleaner off until the pump is running again. When the pump is running again EasyTouch will restart the cleaner delay, as if it was just starting to insure water in the plumbing.



EasyTouch® Pool and Spa Automation Control Quick Reference Guide

EasyTouch® Wireless 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.

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#1-18** 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#10** is FEATURE Circuit#1, **Circuit#11** 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 (3/18 will blink) to assign the circuit number and its physical circuit (starting with **AUX 1**) or select another circuit to name (SPA, POOL, AUX 1-8, Ft. 1 - Ft. 8, AuxX).
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 (3/18 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-AUX 4 may also be used). AUX 6 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 8 Feature Circuits available to control valve actuators, pump speeds, spa spillway, 2-speed pump (switch to high speed). Using an iS4, iS10, QuickTouch® or EasyTouch wireless remote controller, you can also assign Feature Circuits to control pump speeds, and other functions (see *iS4, iS10 and QuickTouch Spa-Side Remote Controller*).

Feature Circuits (Switching ON/OFF)

Each of the eight assigned Feature Circuits can be switched ON or OFF from the EasyTouch indoor, outdoor, wireless control panels and iS4, iS10 and QuickTouch remote controllers.

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.

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" or "Pump #2". 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 1/8 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 10/18 (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 10/18 (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 1-8, AUX EXTRA, FEATURES 1-8.

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®)

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: If using multiple pumps, be sure to assign each pump number (#1-8). **INTELLIFLO AND CLEANER INTERLOCK** See note on back page about

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" or "Pump #2".
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 1-7, FEATURE 1-8 (EasyTouch 8), AUX 1-3 (EasyTouch 4), FEATURE 1-8, 1-8, AUX EXTRA (only if Solar is not selected, see page 46), HEATER, POOL HEATER, SPA HEATER, FREEZE, POOL/SPA, and SOLAR/HEAT. AUX EXTRA is only available if the Solar output (J17) plug on the EasyTouch motherboard is not being used for solar equipment.
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®

(IntelliChem connects to EasyTouch COM port via 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/>