SCORE SCORE SCORE SCORE SCORE SCORE SCORE

Setup ThermalFlo™ Heat Pump

1. Press **Menu button**.
2. Press **Down button** to "SETTINGS". Press **Right Button**. Press **Down button** to "THERMALFLO".
3. Press **Right button** 2 times to "SETTINGS".
4. Press **Up button** to enable ThermalFlo (YES).
5. Press **Right button** to "HEATING".
6. Press **Up/Down button** use heating only (YES).
7. Press **Right button** to "COOLING".
8. Press **Up/Down button** to use cooling only or cooling and heating if reversible unit (YES).
9. 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".
2. Press **Right button** (**1**/2 will blink).
3. Press **Right button** (ENABLE). Press **Up button** ("YES") to enable solar heating.
4. Press **Right button** (HEAT PUMP). Press **Up button** ("YES") solar as a heat pump (if required).
5. Press **Menu button** 2 times to Menu settings.
6. Press **Up button** to "HEAT".
7. Press **Right button** 2 times to "POOL Temp/Src".
8. Press **Right button** to select solar ("OFF" blinks).
9. Press **Up/Down button** to select "SOLAR PRF" or "SOLAR" as a heat source.
10. Press **Menu button** and select "SPA Temp/Src". **Repeat steps 8-9** to set solar heat for spa.
11. Press **Menu button** 3 times to return to Main screen.

10

Manual Heat [On/Off]

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "MAN HEAT [ON/OFF]".
3. Press **Right button** to switch ON or OFF.
4. 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.
2. Press **Down button** to "SET PASSWORD". Press **Right button** to select.
3. Press **Up button** to assign first digit (0-7).
4. Press **Right button** to set next digit (0-7).
5. **Repeat step 4** to set remaining two digits.
6. Press **Right button** to enable panel lock out.
7. Press **Up button** to enable password "YES".
8. Press **Menu button** 3 times to return to Main screen.

Setup IntelliFlo® VS Pump

1. Press **Menu button**. Press **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 VS (IntelliFlo VS).
5. Press **Menu button** for speed (RPM) settings.
6. Press **Down button** then **Right Button** for SPEEDS settings.
7. Press **Right button** to select (**1**/8 will blink).
8. Press **Right button** to select RPM (1000 blinks).

11

Setup IntelliFlo® VS Pump (Cont'd)

9. Select speed using **Up/Down button**.
10. Press **Right button** to select Circuit or Feature Circuit to match speed.
11. 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.

Setup IntelliFlo® VS Pump

1. Press **Menu button**. Press **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 **VF** (**IntelliFlo VF**).
5. Press **Menu button** for IntelliFlo VF pump settings.
6. Press **Down button** then **Right Button** for **Filt. Circuit**.
7. Press **Up/Down button** to select pump circuit.
8. Press **Menu button** then **Down button** then **Right button** to select pump **Flows** (**GPM**) setting.
9. Press **Right button** to select first circuit (**1**/8 blinks).
10. Press **Right button** to select **GPM** (30 blinks).
11. Select speed using **Up/Down button**.
12. Press **Right button** to select **Circuit** or **Feature Circuit** to match GPM.
13. Press **Menu button** to save and return to settings. To access FILTERING, PRIMING, BACKWASH, VACUUM, and STATUS menus: Press **Down button** then **Right button** to select menu.
14. Press **Menu button** 4 times to return to Main screen. ***Repeat steps 7-11*** *for each Circuit or Feature Circuit that require a custom speed.*

12

Setup IntelliChlor® Salt Chlorine Generator

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **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**/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 to return to Main screen.

13

iS4 or iS10 Spa-Side Remote Controller

Note: Assign buttons to **PUMP INCRS**, **PUMP DECRS** circuits to control an IntelliFlo VS 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 "iSx PUMP CNTRL" menu. *Note: Before assigning buttons, see* ***Assigning Circuit Names*** *and* ***Setup IntelliFlo VS/VF Pump****.*

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "iS4" or "iS10". Press **Right button** to select "Assign iS4" or "Assign iS10".
3. **iS4**: Press **Up button** (assign first circuit **1**/4). Press **Right button** (circuit setting) or **iS10**: 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 "iSx PUMP CNTRL".
9. Press **Right button** to assign iS4 & iS10 pump speed control settings as set in the IntelliFlo menu "PUMP # and TYPE".

14

iS4 or iS10 Spa-Side Remote Controller (Cont'd)

10. Press **Up/Down button** to select **PUMP** #**1** or #**2**.
11. Press **Right button** to assign RPM (IntelliFlo VS) or GPM (IntelliFlo VF) control settings.
12. Press **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).
13. Press **Menu button** 3 times to return to Main screen.

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 to return to Main screen.

15

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 **Up/Down btn. 2x >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.

PENTAIR

(800) 831- 7133 – Fax (800) 284-4151

©2011 Pentair Water Pool and Spa, Inc. All rights reserved.

P/N 520917 Rev. C 5/10/2011

16

PENTAIR

EASYTOUCH® CONTROL SYSTEM
QUICK REFERENCE GUIDE

EasyTouch® Control System 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" will display. Then "SENDING ADDRESS" will display.
6. Repeat steps 1-5 from wireless handheld. "ADDRESS FOUND" will display.
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 **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 to return to Main screen.

1

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, etc.

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.

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** to "CIRCUIT FUNC".
6. Press **Down button** to "CIRCUIT FUNC".
7. Press **Right button** to select.
8. Press **Up button** until AUX 2 displays (AUX 2-AUX 6 may also be used). AUX 6 is set to GENERIC.
9. Press **Menu button** 3 times to return to Main screen.

2

Assigning Circuit Functions (Cont'd)

10. Press **Up button** to SPILLWAY.
11. Press **Right button** ("NO" will blink).
12. Press **Up button** to select ("GENERIC" will blink).
13. Press **Right button** ("GENERIC" will blink).
14. Press **Up button** to desired circuit name (see *i5*, *i9*, *i10* Quick Touch® *Spa-Side Remote Controller*). 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.

Feature Circuits (Switching ON/OFF)

There are a maximum of 8 Feature Circuits available to control valve actuators, pump speeds, spa spillway, 2-speed pumps (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 *i5*, *i9*, *i10* and *QuickTouch® Spa-Side Remote Controller*). *Note: Feature Circuits can also be "Scheduled" to run at a specific time. See "Schedules" for details.*

1. **Intellifilo setup**: Press **Menu button**. Press **Right button** 2 times to select "PUMP TYPE". Press **Up/Down button** to select **VS** *(for this example)*.
2. Press **Right button** to select Pump #1. Press **Right button** to select. Press **Down button** and press **Right button** (circuit **1**/8 will blink).
3. Press **Right button** to select RPM ("1000" will blink). Use **Up/Down button** to adjust the RPM (3000).
4. Press **Right button** to select Circuit. Press **Up/Down button** to select "FEATURE 1".
5. Press **Menu button** 3 times to return to "SETTINGS" menu.
6. Press **Up button** to select "CIRCUIT NAMES".
7. Press **Right button** to select Circuit. Press **Up/Down button** to select "FEATURE 1".
8. Press **Menu button** 3 times to return to the Main screen.
9. Press **Menu button** 3 times to return to Main screen.

3

2-SPD Pump Speed Control using a Feature Circuit (for Intelliflo® Pump VS [RPM]/VF [GPM])

(Cont'd)

2. **Up/Down button** to "INTELLIFLO". Press **Right button** to select.
3. Press **Right button** to select Pump #1. Press **Right button** 2 times to select "PUMP TYPE". Press **Up/Down button** to select **VS** *(for this example)*.
4. Press **Menu button**. Press **Down button** and press **Right button** (circuit **1**/8 will blink).
5. Press **Right button** to select RPM ("1000" will blink). Use **Up/Down button** to adjust the RPM (3000).
6. Press **Right button** to select Circuit. Press **Up/Down button** to select "FEATURE 1".
7. Press **Right button** SPA ("0%" blinks).
8. Press **Menu button** 3 times to return to "SETTINGS" menu.
9. Press **Menu button** to "CIRCUIT NAMES".
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.

4

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

1. **Intellifilo setup**: Press **Menu button**. Press **Right button** to select.
2. Press **Right button** to select Pump #1 or #2.
3. Press **Right button** to select **VS** *(for this example)*.
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**/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 to return to Main screen.

5

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. Press **Menu button**. Press **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).
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.

6

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.

1. Press **Menu button**.
2. Press **Up/Down button** to "CIRCUIT NAMES". Press **Right button** to select.
3. Press **Up/Down button** to select Circuit or Feature Circuit to match speed.
4. Press **Up/Down button** to select **10**/18 Feature **Press Right** button.
5. Press **Right button** to select circuit 1 (**Ft. 1** is displayed). Press **Right button** to select "SPILLWAY" as the circuit name.
6. Press **Down button** to "CIRCUIT FUNC". Press **Right button** to select "SPILLWAY" (the previously assigned circuit).
7. Press **Up button** and select "SPILLWAY" (the **Right button** to select ("SPA" will blink).
8. Press **Down button** to "CIRCUIT FUNC". Press "SETTINGS" menu.
9. Press **Menu button** to save and return to Main screen.

7

Spa Spillway: using a Feature Circuit (Cont'd)

10. Press **Right button** to select Circuit or Feature Circuit to match speed.
11. 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.

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

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**.
3. Press **Down button** to "POOL" and repeat steps.
4. Press **Right button** ("NONE" will blink).
5. Press **Up/Down button** ("NEW" will blink).
6. Press **Right button** (**1**/1 will blink).
7. Press **Right button** 2 times (HOUR "8" will blink).
8. Press **Up button** to desired Start time (AM or PM).
9. Press **Right button** to select ("S" will blink).
10. Press **Up/Down button** to desired minute.
11. Press **Right button** 2 times (HOUR "8" will blink).
12. Press **Up button** to desired stop hour (AM or PM).
13. Press **Right button** ("STOP HOUR" will blink).
14. Press **Up/Down button** to desired stop minute.
15. Press **Right button** ("MIN" will blink).
16. Press **Up/Down button** ("SUNDAY" will blink).

Repeat Steps 14 and 15 for remaining days.

S without bar = not enabled)

17. 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".
2. Press **Right button** ("NONE" will blink).
3. Press **Up button** ("NEW" will blink).
4. Press **Right button** (**1**/8 will blink).

SCHEDULES. Press **Right button** to select: SPA, POOL, AUX 1-8, AUX EXTRA, FEATURES 1-8.

8

Setup Schedules

1. Press **Menu button**. Press **Down button** to "SETTINGS". Press **Right button** to select.
2. Press **Down button** to "SCHEDULES".
3. Press **Right button** to select ("NONE" will blink).
4. Press **Right button** (**1**/8 will blink).

Select "Minutes" if desired.

5. Press **Right button** to select ("MIN" will blink).
6. Press **Up button** to desired start time.
7. Press **Right button** to select ("STOP HOUR" will blink).
8. Press **Up button** to desired Stop time.
9. Press **Right button** to select ("MIN" will blink).
10. Press **Up/Down button** to desired minute.
11. Press **Right button** to select ("SUNDAY" 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**.
2. Press **Up 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".
7. Press **Menu button** to return to Heat Settings.
8. Press **Down button** to "SPA Temp/Src".
9. Press **Right button** to Heat Spa Setting.
10. Press **Up/Down button** to desired temperature.
11. Press **Right button** to select heater
12. Press **Up/Down button** to "HEATER".
13. Press **Menu button** 3 times to return to Main screen.

Pool Only (Cont'd)

5. Press **Right button** to select ("SPA" will blink).
6. Press **Up button** to desired start time.

Select "Minutes" if desired.

7. Press **Right button** to select ("MIN" will blink).
8. Press **Right button** ("STOP HOUR" will blink).
9. Press **Up button** to desired Stop time.
10. Press **Right button** to select ("S" will blink).
11. Press **Up/Down button** to desired Start time (AM or PM).
12. Press **Right button** 2 times (HOUR "8" will blink).
13. Press **Up button** to desired stop hour (AM or PM).
14. Press **Right button** ("MIN" will blink).
15. Press **Up/Down button** (S with bar on top = enabled).
16. Press **Right button** ("SUNDAY" will blink).

Repeat steps 14 and 15 for remaining days.

17. 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.

9