PENTAIR

INTELLICENTER™ CONTROL SYSTEM
WIRELESS REMOTE

INSTALLATION GUIDE

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

Contents

IMPORTANT WARNING AND SAFETY INSTRUCTIONS

READ AND FOLLOW ALL WARNING AND SAFETY INSTRUCTIONS

⚠ DANGER SERIOUS BODILY INJURY OR DEATH CAN RESULT IF THIS PRODUCT IS NOT INSTALLED AND USED CORRECTLY.

⚠ DANGER INSTALLERS, POOL OPERATORS AND POOL OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS BEFORE USING THIS PRODUCT. This Guide provides installation and operation instructions for the product. Consult Pentair Water Pool and Spa, Inc. ("Pentair") with any questions regarding this product.

⚠ WARNING This product is intended for use with swimming pool applications only.

⚠ WARNING Most states and local codes regulate the construction, installation, and operation of public pools and spas, and the construction of residential pools and spas. It is important to comply with these codes, many of which directly regulate the installation and use of this product. Consult your local building and health codes for more information.

This guide provides installation and operation instructions for the IntelliCenter™ Control System Wireless Remote. Consult Pentair Water Pool and Spa, Inc. with any questions regarding this equipment (see "Customer Service/Technical Support", page iv).

Attention Installer: This guide contains important information about the installation, operation and safe usage of this product. Give this guide to the owner and/or operator of this equipment after installation.

Attention User: This manual contains important information that will help you in operating and maintaining this filter. Please save it for future reference.

⚠ WARNING **Attention User:** This Guide contains important information that will help you in operating and maintaining this product. Please retain it for future reference. Read the entire Installation Guide and all related warning labels before installing this product. Read the operating instructions and warnings for all equipment in the pool circulating system before operating. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call (800) 831-7133 for additional free copies of this Guide or replacement safety labels.

This product is designed and manufactured for safe and reliable service when installed, operated and maintained according to the information and installation codes referred to in this Guide.

⚠ **This is a safety alert symbol. When you see this symbol in this manual or on the product, look for one of the following signal words; DANGER, WARNING, CAUTION and NOTICE and comply with the information. Be alert to the potential hazard. Ensure to read and comply with all of the warnings and cautions in this manual.**

NOTICE

⚠ DANGER

Risk of Electrical Shock or Electrocution!
- Always disconnect power at the circuit breaker before servicing the load center. Improper installation can create an electrical shock hazard that can result in death or serious injury.

This product must be installed by a licensed or certified electrician or a qualified pool professional in accordance with the current National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.1. All applicable local installation codes and ordinances must also be adhered to. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, and may also cause damage to property. Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electrical shock.

IMPORTANT WARNING AND SAFETY INSTRUCTIONS

⚠ DANGER Water temperature in excess of 100° F (37.7° C) may be hazardous to your health. Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above normal body temperature of 98.6° F (37° C.). Effects of hyperthermia include: (1) Unawareness of impending danger. (2) Failure to perceive heat. (3) Failure to recognize the need to leave the spa. (4) Physical inability to exit the spa. (5) Fetal damage in pregnant women. (6) Unconsciousness resulting in danger of drowning. The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

⚠ WARNING A pool or spa pump must be installed by a qualified pool and spa service professional in accordance with the current National Electrical Code and all applicable local codes and ordinances. Improper installation may create an electrical hazard which could result in death or serious injury to pool users, installers, or others due to electrical shock, and may also cause damage to property.

⚠ WARNING The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas. This product is intended to control heaters with built-in high limit circuits **ONLY**. Failure to do so may cause property damage or personal injury.

⚠ WARNING For units intended for use in other than single-family dwellings, a clearly labeled emergency switch shall be provided as part of the installation. The switch shall be readily accessible to the occupants and shall be installed at least five (5) feet (1.52 m) away, adjacent to, and within sight of, the unit.

⚠ WARNING Except for listed spa-side remote controls, install a minimum of five (5) feet (1.52 m) from the inside wall of the pool and spa.

For information about the Virginia Graeme Baker Pool and Spa Safety Act, contact the Consumer Product Safety Commission at (301) 504-7908 or visit www.cpsc.gov.

NOTE: Always turn off all power to the pool pump before installing the cover or working on any suction outlet.

Two Speed Pump Controls Notice (Title 20 Compliance)
Please read the following important Safety Instructions - When using two-speed pumps manufactured on or after January 1, 2008, the pump's default circulation speed MUST be set to the LOWEST SPEED, with a high speed override capability being for a temporary period not to exceed one normal cycle, or two hours, whichever is less.

⚠ **CAUTION: IMPORTANT INTELLICENTER™ CONTROL SYSTEM WIRELESS REMOTE BATTERY INFORMATION**
• Danger of explosion if battery is incorrectly replaced.
• ONLY USE a Pentair Water Pool and Spa ("Pentair") replacement battery. Order Battery (P/N 522054).
• Rechargeable Lithium-ion battery disposal: Unwanted lithium ion battery pack may be returned to your local recycling center or the manufacturer for disposal.

RF Exposure Requirements: The antenna(s) used for this device must be installed to provide a separation distance of at least 7.0 inches (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.
L'antenne (s) utilisé pour cet appareil doit être installé pour fournir une distance de séparation d'au moins (20 cm) à partir de toutes les personnes et ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

IMPORTANT WARNING AND SAFETY INSTRUCTIONS

FCC Standard: 47 CFR Part 15, Subpart C (Section 15.247). This version is limited to chapter 1 to chapter 11 by specified firmware controlled in the U.S.A.

FCC non-modification statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Exposure requirements:

Notice for Virtual Cable (FCC ID: P4H-ICVC & IC: 4249A-ICVC): In order to comply with FCC/IC RF Exposure requirements, a minimum separation distance of 8 in (20 cm) must be maintained between the equipment and all persons during normal operation.

Notice for Wireless Remote Control (FCC ID: P4H-ICHNDHLD & IC: 4249A-ICHNDHLD):

This portable transmitter with its antenna has shown compliance with FCC/IC SAR limits for general population / uncontrolled exposure. The maximum listed SAR level is 0.88 W/kg (body). The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Avis concernant la télécommande sans fil (ID FCC: P4H-ICHNDHLD & IC: 4249A-ICHNDHLD):

Cet émetteur portable avec son antenne a montré une conformité avec les limites SAR de la FCC / IC pour l'exposition de la population générale / non contrôlée. Le niveau SAR maximal indiqué est de 0,88 W / kg (corps). L'antenne utilisée pour cet appareil ne doit pas être co-localisée ou utilisée conjointement avec une autre antenne ou un autre émetteur.

Canada - Industry Canada (IC): The IntelliCenter™ Control System and the Wireless Remote complies with RSS210 of Industry Canada. (1999). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The device complies with industry Canada's License Exempt RSSs. Operation is subject to the following: (1) This device may not cause interference; and (2) This device must accept interference that may cause undesired operation of the device.

Le dispositif est conforme à la licence d'Industrie Canada Exempt CNR. Le fonctionnement est soumis à la suivante. (1) Ce ne doit pas provoquer d'interférences ; et (2) Cet appareil doit accepter les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. The term "IC" before the certification / registration number only signifies that the Industry Canada technical specifications were met.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The user is cautioned that changes and modifications made to the IntelliCenter Control System and IntelliChlor device without the approval of the manufacturer could void the user's authority to operate this equipment.

IMPORTANT WARNING AND SAFETY INSTRUCTIONS

General Installation Information

1. All work must be performed by a licensed electrician, and must conform to all national, state, and local codes.
2. Install to provide drainage of compartment for electrical components.
3. If this system is used to control underwater lighting fixtures, a ground-fault interrupter (GFCI) must be provided for these fixtures. Conductors on the load side of the ground-fault circuit-interrupter shall not occupy conduit, junction boxes or enclosures containing other conductors unless such conductors are also protected by a ground-fault circuit-interrupter. Refer to local codes for details.
4. A terminal bar stamped ⏚ is located inside the supply terminal box. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment (no smaller than 12 AWG or 3.3 mm). The bonding lug(s) provided on this unit are intended to connect a minimum of one No. 8 AWG for US installation and two No. 6 AWG for Canadian installations solid copper conductor between this unit and any metal equipment, metal enclosures or electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.
5. The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with in accordance with the current National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.1. All applicable local installation codes and ordinances must also be adhered to. The disconnecting means must be readily accessible to the tub occupant but installed at least 10 ft. (3.05 m) from the inside wall of the pool.

CUSTOMER SERVICE / TECHNICAL SUPPORT

Customer Service
8 AM to 8 PM

Phone: (800) 831-7133
Fax: (800) 284-4151

Visit www.pentair.com

Technical Support

Sanford, North Carolina (8 AM to 8 PM ET)

Phone: (919) 566-8000
Fax: (919) 566-8920

Moorpark, California (8 AM to 5 PM PT)

Phone: (805) 553-5000
Fax: (805) 553-5515
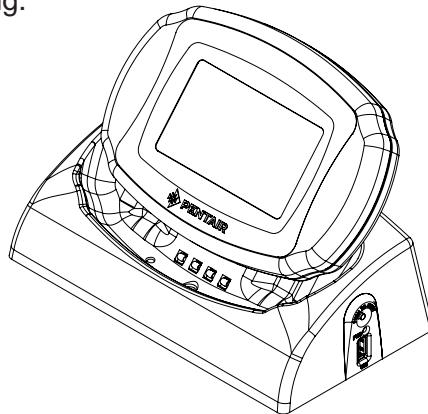
IntelliCenter™ Control System Wireless Remote

This guide contains all of the information you need to setup and operate the IntelliCenter Control System Wireless Remote.

The Wireless Remote provides the same functionality as the IntelliCenter Control System Indoor and Outdoor Control Panel. The operating range of the Wireless Remote is approximately 300 ft. from the wireless transceiver antenna (line of sight) which is typically located near the load center. The optimum wireless transmit and receive range may be affected by physical obstructions, (especially those containing metal), weather conditions, and geographical features.

The Wireless Remote LCD screen can be sensitive to sunlight. When exposed for extended periods the LCD screen will heat up and go black. If this happens, place the remote in a shaded area and allow the screen to cool down. Do not attempt to adjust the contrast or the screen will be unreadable when it eventually cools. When used outside, keep the remote covered or in a shaded area. Prolonged exposure to sunlight may permanently damage the unit.

> ⚠ **WARNING! Do not plug in the AC adapter to a power source within five (5) feet of the pool and spa. Canadian installations require a minimum of (3) meters from pool water. Do not recharge outdoors. Only use Pentair approved AC power adapter transformer.**

The Wireless Remote is water resistant and can be exposed to temporary splashing or wet hands. However, the controller is not intended to be submersed. Remove unit immediately if it is dropped in the water or exposed to rain. Store the unit indoors in a dry environment. Be sure the gold charging contacts are dry before charging.

Wireless Remote in Cradle

Wireless Remote Kit (P/N 520036) Contents
- Wireless Remote
- AC/DC power adapter
- Cradle
- Installation Guide (this manual)

Charging the IntelliCenter™ Control System Wireless Remote

When you are not using the IntelliCenter Wireless Remote, place it in its cradle to recharge the battery. This allows the battery to be fully charged at all times.

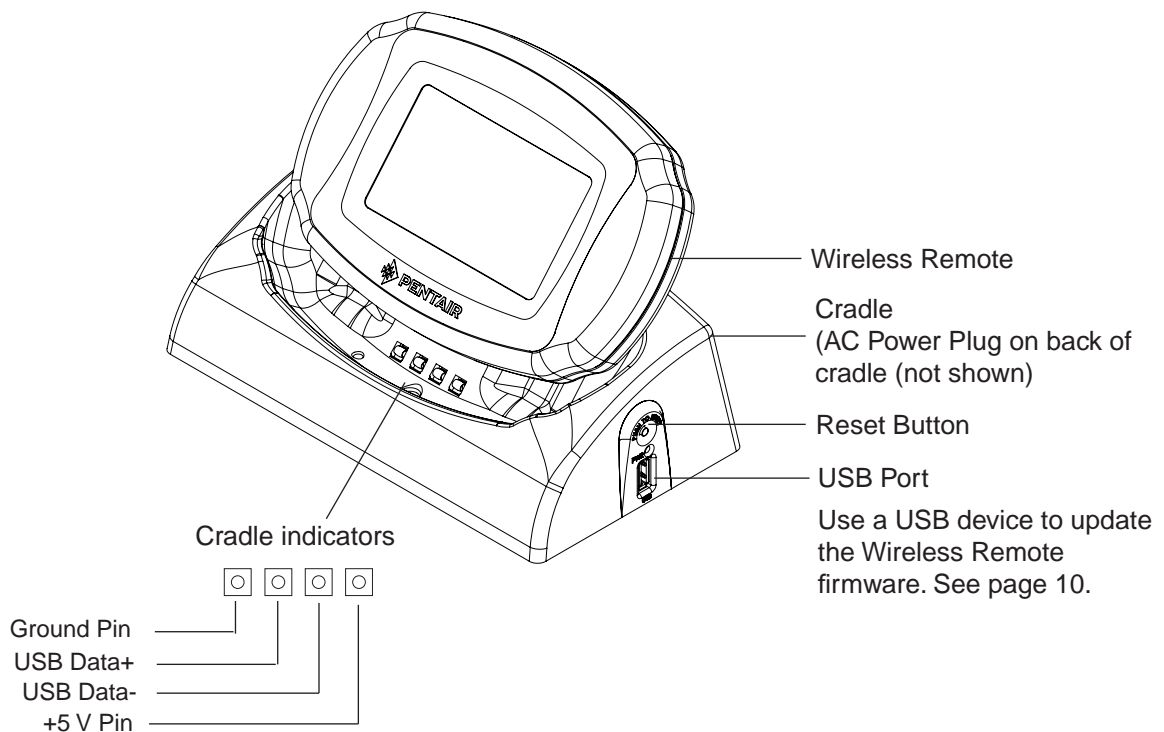### To Charge the Wireless Remote battery

- Plug the AC adapter into an AC wall outlet.
- Insert the AC Power Adapter plug into the bottom of the cradle.
- Place the Wireless Remote in the cradle.
- Look for the battery charging indicator on the front of the cradle (see below).

Note: When the Wireless Remote is placed in the cradle the display and backlight will be on. After five minutes the backlight will shut off. The Wireless Remote unit and display are always on when seated in the cradle. To turn the backlight on, tap on the screen.

To use the Wireless Remote:

1. Remove the Wireless Remote from the cradle. Note: The Wireless Remote can be used while seated in the cradle with the AC power connected to the cradle.

2. Tap the Wireless Remote touch screen to turn the unit on. The main screen is displayed. The LCD backlight will turn off in two minutes if not in use. The battery icon displays three solid bars, only when it's fully charged.

    Note: The device can be used all day at full power with a complete battery charge (3 to 4 hours). If the Wireless Remote is not being used for extended periods of time disconnect the AC power Adapter from the power source.

Wireless Remote

Cradle
(AC Power Plug on back of cradle (not shown)

Reset Button

USB Port

Use a USB device to update the Wireless Remote firmware. See page 10.

Cradle indicators

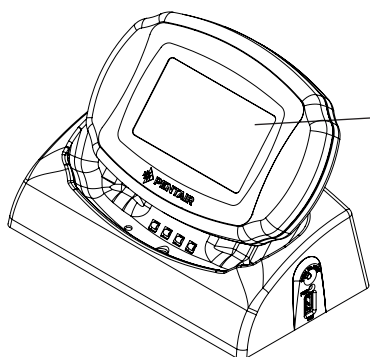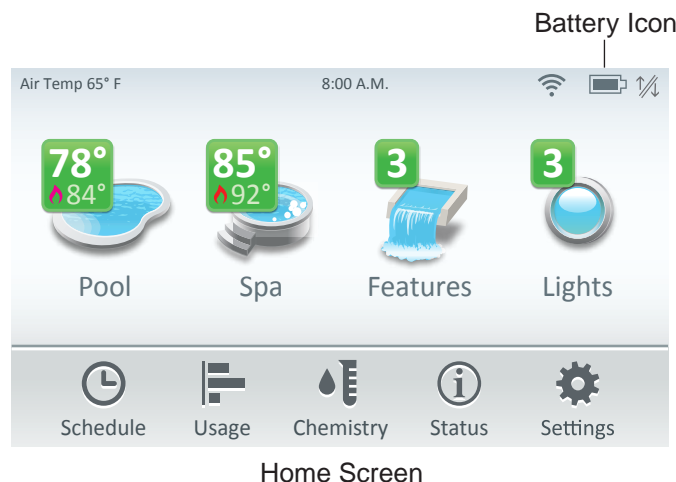Ground Pin
USB Data+
USB Data-
+5 V Pin

IntelliCenter™ Control System Wireless Remote Home Screen Battery Icon

The Wireless Remote battery icon is located in the upper right corner of the Home screen. If the battery icon displays one or no bars or the screen is blank, this may indicate that the battery cannot power the device and needs recharging.

A complete battery charge takes about 3 to 4 hours. During battery recharge, the battery icon bars scroll from left to right. When the battery is fully charged the left to right scrolling of the battery icon will stop. The battery icon will be solid when the battery is fully charged.

Note: If the battery requires replacement, only use Pentair replacement battery (P/N 522054).

Battery Icon

Air Temp 65° F		8:00 A.M.		
78° 84° Pool	85° 92° Spa	3 Features	3 Lights	
Schedule	Usage	Chemistry	Status	Settings

Home Screen

Battery Icon

Three solid bars indicate ample battery charge. During battery recharge, bars scroll left to right.

Sufficient charge left in the batteries to operate device.

Batteries will deplete soon.

Screen Settings

To access the screen settings, from the Home screen, tap Settings > Advanced System Configuration > General > Day/Night Theme,

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 details.
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.

IntelliCenter™ Control System Wireless Remote Transceiver Installation

The following procedure describes how to install the Transceiver module and connect the Transceiver cable to the COM port on the IntelliCenter Control System main circuit board.

NOTE: USING MULTIPLE WIRELESS REMOTES: When using multiple wireless remotes, be sure the Transceiver for each of these controllers are located at least 6 ft. apart for each other. This will avoid digital interference and ensure better wireless reception.

IntelliCenter Control System Wireless Remote Kit

The Wireless Remote Kit consists of:

- Wireless Remote
- Wireless Transceiver
- Transceiver module Installation Instructions (P/N 522056)
- Four plastic anchors and retaining screws (to mount the transceiver module)

Mounting the Wireless Remote Transceiver Module

The Wireless Remote Transceiver module is connected to the IntelliCenter Control System via the RS-485 port. The Transceiver is connected to the Wireless Remote via a 2.4GHz RF connection. Mount the Transceiver module at a convenient location (on a flat vertical surface) near the Load Center, at a minimum of 5 ft. above ground level to optimize the functional operating range of the Wireless Remote.
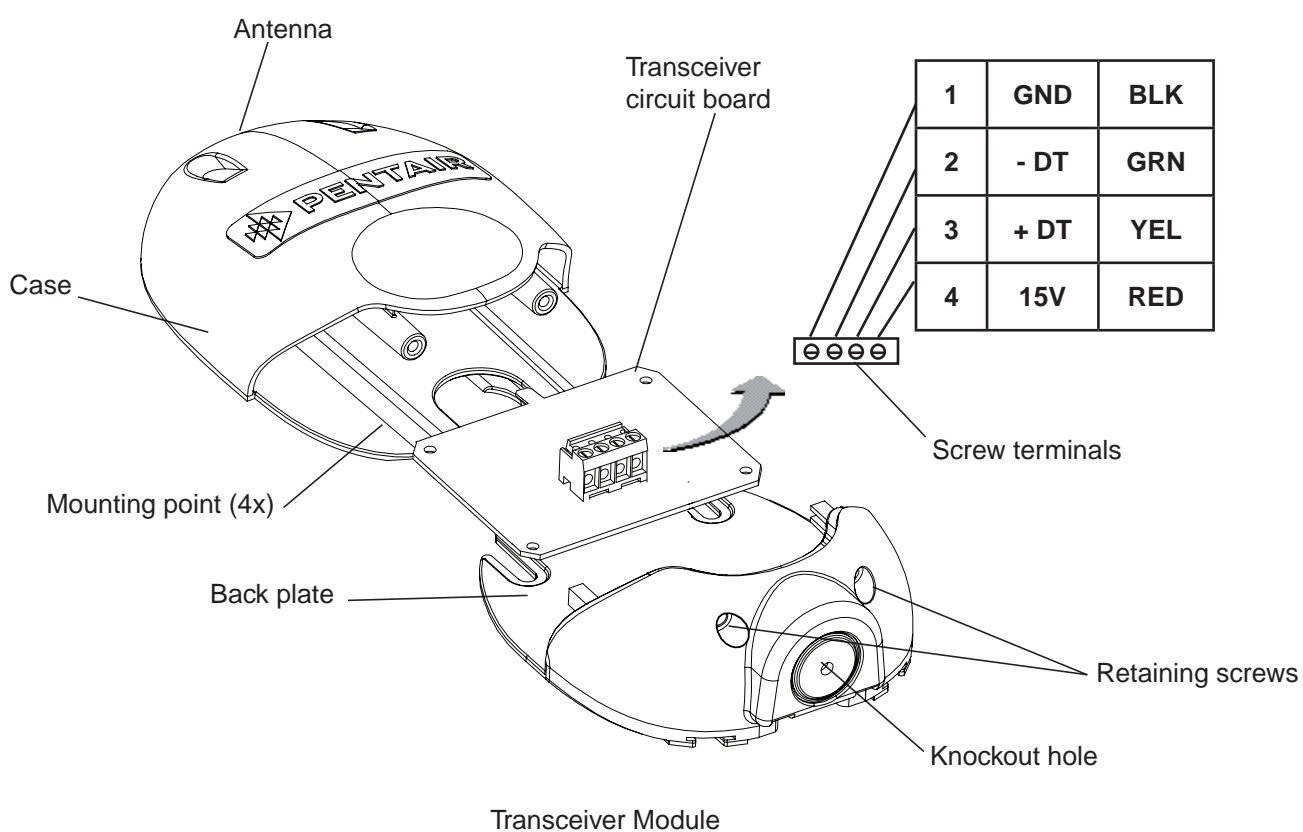
Note: To avoid signal interference, mount the Transceiver antenna a minimum of 10 ft. away from the Load Center or Power Center, any metal surface/structure, or air blower located in the immediate area of the equipment pad.

To mount the transceiver near the IntelliCenter Control System Load Center:

1. **Switch OFF the main power off to the IntelliCenter Control System Load Center.**

2. Remove the two retaining screws securing the transceiver case to the back plate. Carefully slide the case off the back plate.

3. ⚠ **CAUTION - Electrostatic Discharge (ESD): Hold the circuit board from the edges. Do not touch the board components, electrostatic discharge can damage the board.** Slide the transceiver circuit board up and out of the back plate.

4. Position the back plate against the mounting surface so that the case is oriented in an upright position (with the antenna pointing upwards). Use a pencil to mark the four mounting points. Drill four 3/16 in. diameter holes into the mounting surface. If screws are not being used, insert the four plastic wall anchors (provided in the kit).

5. Feed the provided 10 ft. of UL approved four 22 AWG conductor cable through the knockout hole at the bottom of the enclosure. Do not run wire through the load center drain holes. If the knockout hole is not being used to run wire through, drill a hole through the bottom of the back plate, route the wire through the hole and seal it using a fitting with a few feet of conduit or some other sealant between the case and the cable.

Mounting the Wireless Remote Transceiver (Continued)

6. Position the back plate over the mounting points and secure it with the four mounting screws (provided in the kit).

7. Carefully slide the transceiver circuit board into the back plate.

8. Strip the leads of the communication cable wires back ¼ in. Insert the wires into the connector screw terminals (provided in the kit). Using a small flat-blade screwdriver, secure the wires with the terminal screws. Make sure to match the color-coding of the wires: GND = Black, Green = -DT, Yellow = +DT, and Red = +15. Connect the screw terminal connector onto the transceiver circuit board.

9. Slide the case over the back plate. Secure the case to the back plate using the two retaining screws.

10. Proceed to the page 6.

1	GND	BLK
2	- DT	GRN
3	+ DT	YEL
4	15V	RED

Antenna

Transceiver circuit board

Case

Screw terminals

Mounting point (4x)

Back plate

Retaining screws

Knockout hole

Transceiver Module

Connecting the Transceiver Module to the IntelliCenter™ Control System Load Center
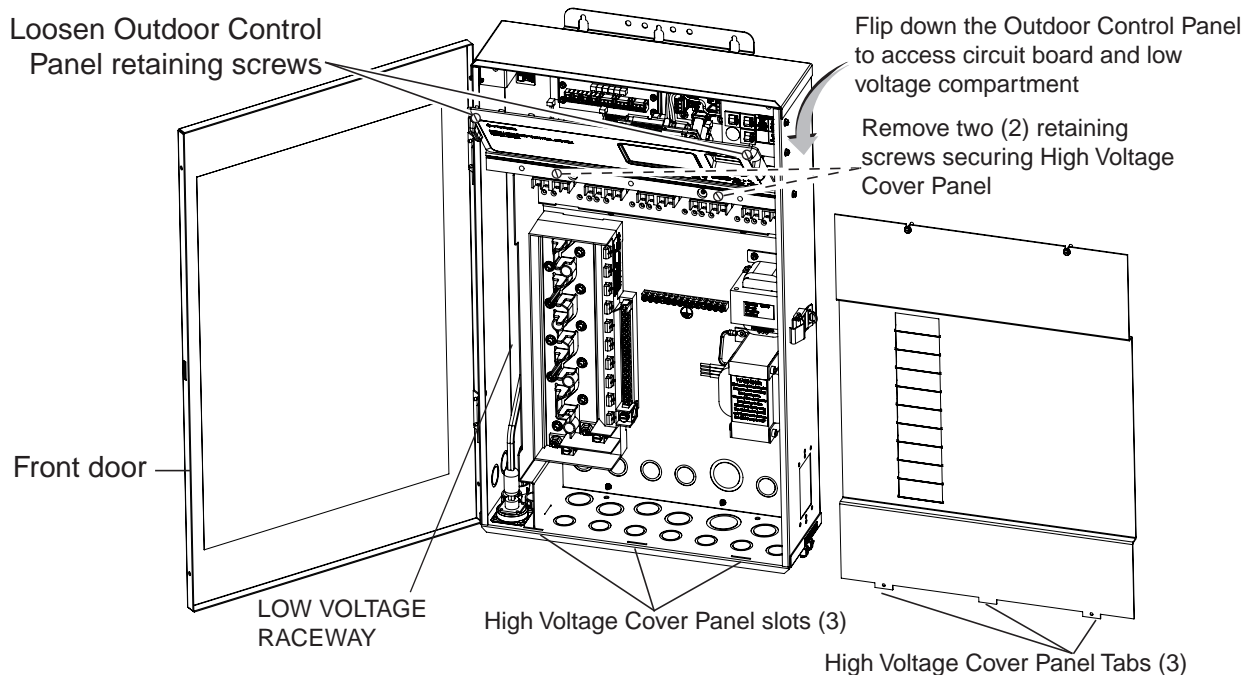
⚠ WARNING	SWITCH OFF AC POWER TO THE INTELLICENTER CONTROL SYSTEM LOAD CENTER BEFORE MAKING ANY CONNECTIONS.

To connect the Transceiver wires to the COM port on the system circuit board:

⚠ WARNING	BEFORE REMOVING THE HIGH VOLTAGE COVER PANEL FROM THE LOAD CENTER OR POWER CENTER ENCLOSURE SWITCH OFF THE POWER

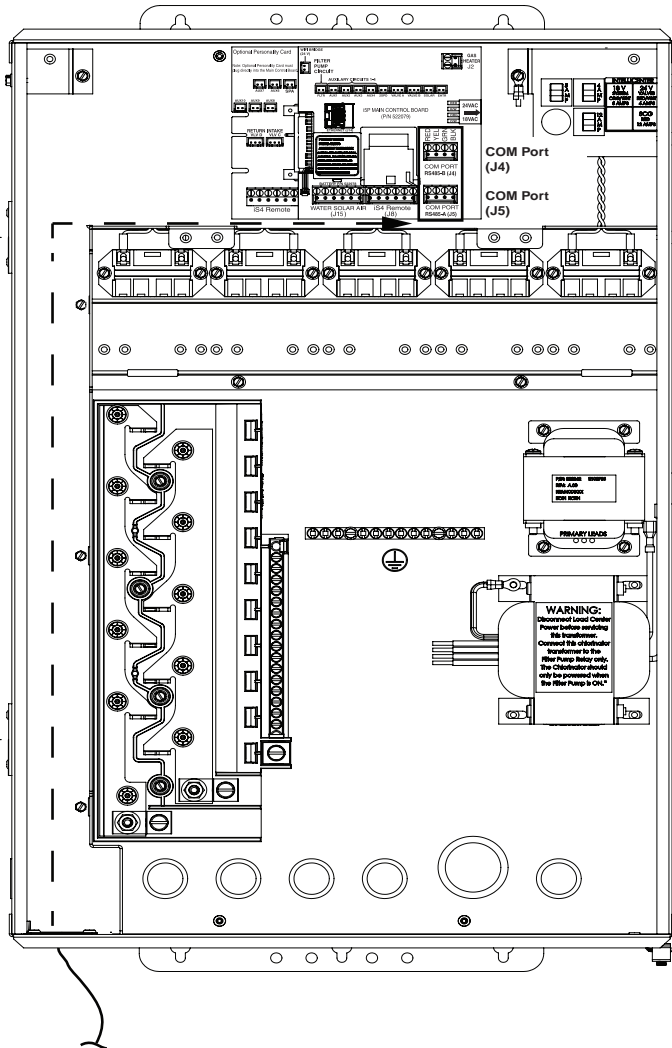AT THE HOUSE MAIN CIRCUIT BREAKER BOX.

1. Switch OFF AC power to the enclosure at the main house panel circuit breaker.

2. Unlatch the front door latch and open the front door. Remove the two retaining screws from the High Voltage Cover Panel and remove the panel.

3. Loosen the two retaining screws securing from the top edge of the IntelliCenter™ Control System Outdoor Control Panel. Fold down the Outdoor Control Panel to access the circuit board sockets connectors for the electrical connections. Remove the panel from the enclosure (see illustration below).

4. Route the four conductor transceiver connection cable into the lower plastic grommet, up through the **low voltage raceway** to the system circuit board.
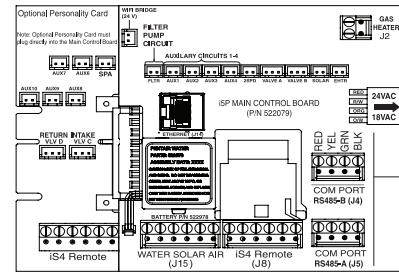

Loosen Outdoor Control Panel retaining screws

Flip down the Outdoor Control Panel to access circuit board and low voltage compartment

Remove two (2) retaining screws securing High Voltage Cover Panel

Front door

LOW VOLTAGE RACEWAY

High Voltage Cover Panel slots (3)

High Voltage Cover Panel Tabs (3)

IntelliCenter™ Control System Load Center (front view)
(High Voltage Cover Panel Removed)

(Continued)

5. Strip the leads of the communication cable wires back ¼ in. Insert the wires into the connector screw terminals (provided in the kit). Using a small flat-blade screwdriver, secure the wires with the COM PORT terminal screws. Make sure to match the color-coding of the wires: GND = Black, Green = -DT, Yellow = +DT, and Red = +15. Connect the screw terminal connector onto the transceiver circuit board.

IntelliCenter Control System Main Board

COM Port (J4)

COM Port (J5)

COM Port A (J5) and COM Port B (J4) 14 VDC, 2.0A Max. Combined

i5PS IntelliCenter Control System Main Circuit Board (with optional Expansion Board shown)
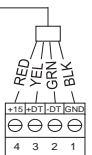
COMMUNICATION PORTS A & B 14 VDC, 2.0A Max. Combined.
IntelliCenter™ Control System COM PORT:
Strip 1/4" insulation from the green and yellow wire conductors.
• Connect the Green wire to pin 2 on Connector **J4 or J5**.
• Connect the Yellow wire to pin 3 on Connector **J4 or J5**.
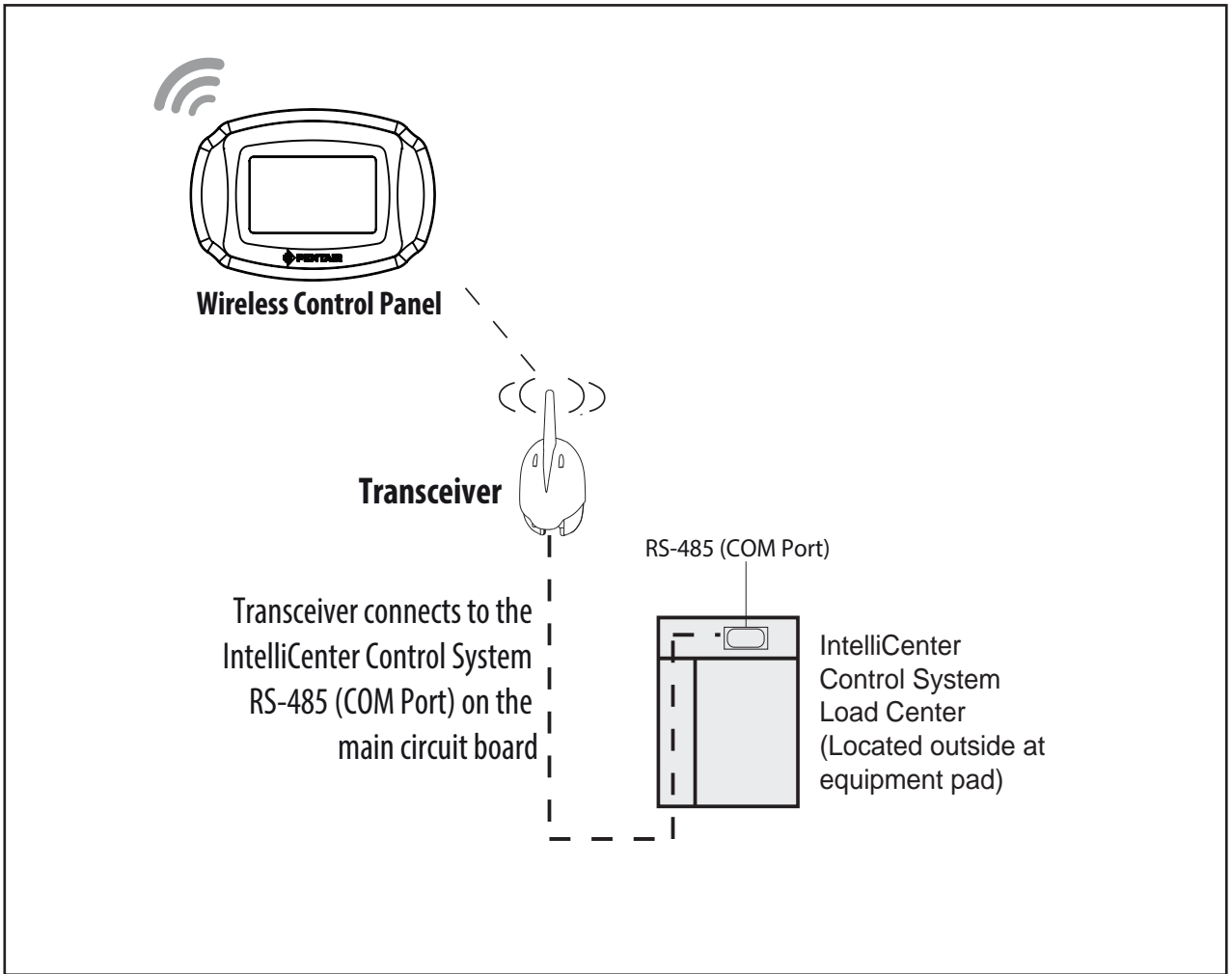**Note:** Multiple wires may be inserted into a single terminal.

Optional: COM PORT expansion module (P/N 520818) with 3 extra COM PORTS up to 2 modules can be installed.

Connect Transceiver cable to RS_485 COM port (J4 or J5)

6. Reinstall the High Voltage Panel: Insert the panel's three tabs into the lower slots on the enclosure. Secure the panel with the two (2) retaining screws. Close the front door and secure with the latch.

7. After the Load Center is powered up the Wireless Remote will automatically synchronize with the system and will be ready for operation.

8. Close the Load Center front door. Fasten the spring latch.

9. SWITCH ON AC POWER to the Load Center.

IntelliCenter™ Control System WIreless Remote Connection Diagram

Wireless Control Panel

Transceiver

RS-485 (COM Port)

Transceiver connects to the
IntelliCenter Control System
RS-485 (COM Port) on the
main circuit board

IntelliCenter
Control System
Load Center
(Located outside at
equipment pad)

IntelliCenter™ Control System Wireless Remote Setup

The Wireless Remote requires optional Kit P/N 522036. This kit includes a wireless transceiver with antenna which connects to an RS-485 COM port on the IntelliCenter Control System Outdoor Control Panel circuit board located in the load center. For IntelliCenter Control System start up information, refer to the IntelliCenter Control System User's Guide (P/N 522561).
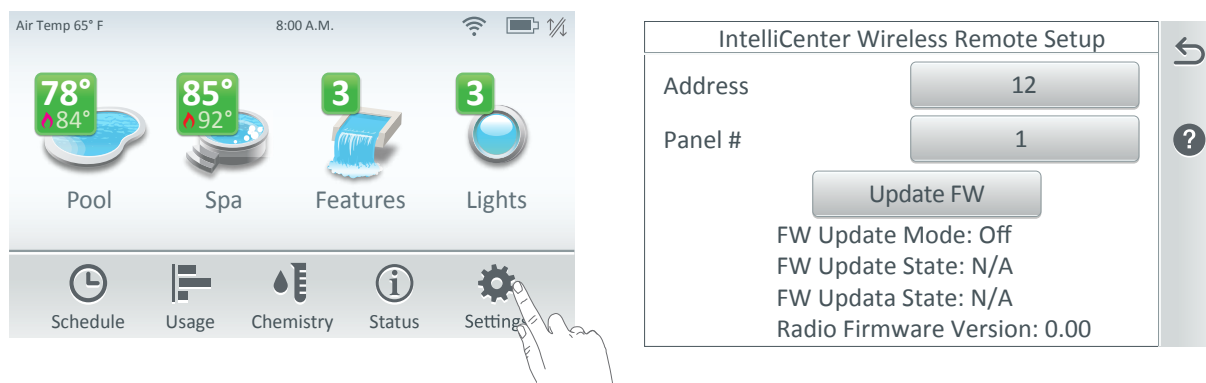Note: IntelliCenter Control System settings made on the Outdoor and Indoor Control Panels and the Wireless Remote are synchronized to have the same system settings.

Power On the IntelliCenter™ Control System Load Center

1. After all the necessary pool and spa equipment has been connected to the Load Center, replace and secure the High Voltage Panel onto the front of the Load Center.

2. Switch on the main circuit breakers to apply power to the Load Center.

Configure the Wireless Remote

1. From the Home screen on the Wireless Remote. Tap **Settings > Advanced System Configuration > Intellicenter Wireless Remote Setup** to access the Wireless Remote Setup Screen.

2. From the Wireless Remote Setup screen, select an Address and Panel for the Wirless Control Panel.

Address Button: This button displays the current wireless address being used. Choose an address that has the best signal strength.

For most operations address 23 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 Control System 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. Tap Abort FW Update to abort the update.

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

IntelliCenter Control System Wireless Remote Installation Guide

IntelliCenter™ Wireless Remote Firmware Update

The Wireless Remote current firmware can be updated using the USB port.

Update the Current Wireless Remote Firmware

1. Insert a USB device in the USB port on the IntelliCenter Control System Outdoor, Indoor Control Panel or the Wireless Remote.

2. From the Home screen on the Wireless Remote. Tap **Settings > Advanced System Configuration > System** to access the System screen.

3. Tap **Firmware Update** to open the Firmware Update screen, then tap **Update From USB**.

System	
System Information	Version: 1.0
Detected Hardware	
System Diagnostic Information	
Firmware Update	
Factory Diagnostics	

Firmware Update
Current Firmware: v.1.0
Use this option to update the current firmware to a newer or earlier version.
Check for Update
Update from USB
Update from Panel

Check for Update: Tap this button to check for the latest IntelliCenter Control System firmware version. Follow the screen prompts.

Firmware Update: Tap this button to display the Firmware Update screen. This screen displays the current IntelliCenter Control System firmware version.

Update from USB: Insert the USB device into the Outdoor Control Panel, Indoor Control Panel, or Wireless Remote. Tap the **Update From USB** 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. Follow the screen prompts.

4. **Update the System Firmware:** Place the Wireless Remote in the cradle. Insert the USB device into the Wireless Remote cradle. The USB device will be detected. The latest firmware will be copied onto the Wireless Remote. To view the firmware version, from the Home screen, tap **Settings > Advanced System Configuration > System** to view the Firmware version displayed on the System Information button.

IntelliCenter™ Control System Menu

Home Screen
> Pool Screen
> Spa Screen
> Features (Individual/Groups)
> Lights ((Individual/Groups)
> Schedule (Pump schedule)
> Usage
> Chemistry (IntelliChem/IntelliChlor)
> Status

Settings
> Service Mode
> Vacation Mode
> Support
> **General:** Location, Date & Time, Units (Fahrenheit/Celsius), Features and Lights List Order, General List Order, Backlight (Deep Sleep: Wireless Remote only, Temperature Sensor Calibration, Day / Night Themes, Manual Operation Priority, Manual Heat, Chemistry Readings Badge, Badge Colors.
>
> **Alerts and Notifications:** Choose which system status, alerts and warnings badges to display on the Home screen Status icon.
> **Security:** (Passcode Protect)
> **Pentair User Portal:** (intellicenter.com)
> **Groups:** Configure groups of AUX circuits, Light circuits and Feature circuits.
> **System Reboot:** Reboot the panel

Advanced System Configuration
> **Installation Setup:**
>
> Body Configuration,Circuits, Pumps, Heaters, Valves, Chemistry, Pool/Spa Cover.
> **Remotes Setup:** iS4, QuickTouch II, iS10, SpaCommand remotes
> **Network and WiFi Setup:** Configure Ethernet, Connect to a Wireless Network, Adjust Wireless Transmit Power, Internet Connection Test, Reboot WiFi Device.
> **IntelliCenter Wireless Remote Setup:** Configure the Address and Panel # for wireless remote.
> **Delays:** Valve Delay, Heater Cool Down, Freeze Cycle Time (min), Spa Freeze, Override (min), Override Delays.
> **System:** System Information, Detected Hardware, System Diagnostic Information, Firmware Update (Update from Panel, Update from USB, Update from Ethernet), Factory Diagnostics.
> **Import/Export:** Import System Configuration, Export System Configuration.
> **Restore Factory Defaults:** Restore system to factory configuration.
> **Setup Wizard:** Step-by-step system configuration.

Notes

Notes

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