# AquaLink RS Software and PCB Revisions Nov., 2011

| Item | Software Revision | Effective Date | Fix | New | System Changes | Comments |
|---|---|---|---|---|---|---|
| PCB 44-Pin PPD Socketted | Rev. A | 6/6/1994 | | X | Alpha test units. | **PCB # 7074** |
| | Rev. B | 1/1/1995 | | X | Beta test units. | |
| | Rev. C | 2/15/1996 | | X | Aux 1 must be used to activate a non - booster pump pool cleaner. | |
| | Rev. D | 2/29/1996 | X | | Ties the Cleaner JVA to the pool filter pump operation to correct non - booster pump pool cleaner. | |
| | | | X | | System will not run programs after freeze protection is activated. | |
| | Rev. E | 3/26/1996 | X | | Programs will now run after freeze protection is activated. | |
| | | | X | | System Lockout now fully locks out all programming. | |
| | | | | X | Simplification of Menu (add System Setup to Menu). | |
| | Rev. F | 7/10/1996 | X | | Remove automatic battery low message from display and add the battery low message to Diagnostics. | |
| | | | | X | Support for 2/6 system sharing one heater and solar system (adjustable Freeze Sensor needed if RS 2/6 is activating a solar system). | |
| | | | X | | Add light dimming to RS 4. | |
| | | | | X | Allows 3 Spa Side Switches with RS 4. | |
| | | | | X | Add to Menu under LOCKOUT the word DEVICE; this allows an individual item to be locked out so it will not operate. | |
| | | | | X | Adds ability to label Solar button when it is used as an auxiliary circuit programming and or Reviewing more then one item. | |
| | | | X | | Ability to label extra Aux button. | |
| | | | X | | Corrects Two Speed programming problems. | |
| | Rev. G | 3/7/1997 | | X | Freeze activation temperature is now adjustable down to 34 degrees F.  Default activation temperature is still 38 degrees F. | |
| | | | X | | Pressing, then releasing the Reset button at the Control displays both the Control software and Power Center PPD part number and rev letter. | |
| | | | X | | LED will light when an auxiliary, assigned to light dimming, is turned on. | |
| | | | | X | Solar button available to be used for Solar Control or Extra Auxiliary on AquaLink RS 4. | |
| | | | X | | Filter pump LED will remain on when filter pump is on even if heater has been turned on. | |
| | | | | X | Supports SpaLink  function | |
| | | | | X | Cleaner JVA can always be assigned, whether dip switch 1 or dip switch 7 is on or off. | |
| | Rev. GG | 4/8/1997 | X | | With G software, pressing the CANCEL button could lockup the system | |
| | Rev. GGG | 7/24/1997 | X | | GG software and the PPD hardware had a capability problem. GGG corrects this problem. | |

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| PCB 44-Pin PPD Socketed | **Rev. H** | **10/13/1998** | | X | Memory expansion from the current 64k to 128k of read only memory (ROM).  This will allow for future peripheral expansion. | |
| | | | | X | SpaLink display will read "OFF" rather than three dashed lines when both the pool or spa is off.  The pool temperature will be displayed when the pool is circulating, and spa temperature will be displayed when the spa is circulating. | |
| | | | | X | Laars LX heater interface. Compatible with LX software revisions C04 to C08 | |
| | | | X | | When water temperature is less than the thermostat setting, heater is enabled and filter pump is on, the heater will now fire consistently. | |
| | | | | X | Default year is 1998 | |
| | | | X | | Improve clock operation | |
| | | | | X | Additional items have been added to the auxiliary labels menu: cleaner, fan, filter pump, heater, HI-E2, home heat, home a/c, lamp, Laars lite, lights, music, ray vac, solar pump, spa, sprinkler 1, sprinkler 2, sprinkler 3, stereo, color wheel, equipment light, fan light, fence light, garage light, hall light, left light, light 1, light 2, light 3, kitchen light, perimeter light, room light, sauna light, table light, basement light, bedroom light | |
| | **Rev. HH** | **10/15/1998** | X | | Corrects clock operation | |
| | **Rev. I** | **5/9/2000** | | X | Supports OneTouch control panel along with All Button Control panel | **Power Center Printed Circuit Board (PCB) must be Revision I to be compatible with** |
| | | | | X | Supports AquaRite chlorine generator system. | |
| | | | | X | Add SOLAR PRIORITY. When activated system will heat with solar first and then switch to the gas heater if necessary. If desired temperature is not achieved system will switch on the gas heater to bring the water up to temperature. | To identify a revision I PCB look for the letter I written next to the Assembly #, Revision I on a sticker in the lower right hand corner or the number 32 in the part number of the |
| | | | | X | Add INFLOOR. When activated a JVA plugged into the Solar JVA socket will rotate every 20 minutes. If Solar sensor is installed this operation moves to Aux 3, a Ji/JVA AUX Board is needed (p/n 5254) if this is the case. | |
| | | | X | | Correct operation of SPILLOVER from Power Center PCB so it is not as confusing. | |
| | | | | X | Adds flexibility to the SPARE AUX socket. If dip switch 6 is off SPARE AUX is off when system is off, on when pool is circulating and off when spa is circulating. Turning dip 6 on reverses this operation. Note: System must be a Pool and Spa Combination. | |
| | | | X | | Corrects the confusion which occurs when trying to cancel program groups. | |
| | | | X | | Solar heating limited to 104 F in service modes. | |

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| | **Rev. I cont.** | **5/9/2000** | | X | Light dimming can be assigned to EXTRA AUX. | Light Dimming does not work on Aux B1 thru B4, C1 thru C4, or D1 thru D4 on Aux. PCB. On RS 10's or larger must use Aux B5 - B8, C5 - C8, or D5 thru D8 on Aux PCB for Light |
| | | | X | | Corrects solar operation with Dual Equipment models. | |
| | | | X | | Changes the water temperature sensing from the LX thermister to the RS thermister. This corrects a problem with solar operation where the solar would turn on then quickly off because the LX sensor would registered the warmth of the water. Compatible with LX software revisions C10 and beyond. | Power Center Printed Circuit Board (PCB) must be Revision I to be compatible with Revision I or II software (PPD). |
| | | | | X | Supports Serial Adapter. | |
| | **Rev. II** | **1/1/2002** | X | | Corrects a problem where freeze protected items assigned from the OneTouch control panel would be lost when the system is switch from Auto to Service then Time Out and back to Auto. | **Last software written to a 44 pin PPD.** |
| PCB 52-Pin PPD Socketted | **Rev. J** | **11/1/2002** | | X | Default modes for the OneTouch buttons have been setup from the factory and replace ONETOUCH 1, ONETOUCH 2. They now read SPA MODE and CLEAN MODE. SPA MODE will activate the spa and spa heater, CLEAN MODE activates the pool circulation pump unless dip switch one is on, then it also activates the cleaner circuit (Aux 1). ONETOUCH 3 has no devices assigned to it. | **Size of the PPD, and thus its socket, increases from a 44 pin on previous PCBs to a 52 pin on boards with Assembly # 8125. The software written to the larger chip starts with Revision J.** |
| | | | X | | When the Power Center is in Service or Time Out Mode, any activated equipment will be displayed as "equipment on" at the OneTouch Control panel. | |
| | | | X | | If an LX heater is connected to the RS via the four-conductor wire, the heater button on the AquaLink RS Power Center Bezel will control the heaters operation. From the Power Center, a service person can then turn on or off the heater, however the RS must be in Service or Time Out Mode. | |
| | | | X | | On Dual Equipment models: a) Displays water temperature when the circulation pump is on without the need to activate the heater. b) Displays AquaRite status when pump is circulating without the need to activate the heater. c) Allows solar to function when sharing one heater. | |
| | | | | X | When equipment is on, the OneTouch will switch to the EQUIPMENT ON screen every 10 seconds rather than every 15 seconds. This screen will be displayed for 5 seconds. | |
| | | | | X | A heater enable message has been added to the EQUIPMENT ON screen. If either the pool or spa heater has been enabled its status will be indicated in the EQUIPMENT ON screen. | |
| | | | X | | Since the Jandy Illuminate project has been shelved for now, the term COLOR WHEEL and its function has been removed from the System Setup Menu. | |

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| PCB 52-Pin PPD Socketted | **Rev. J cont.** | **11/1/2002** | X | | With the OneTouch control panel the characters to the right of the filter pump will flash when the system is in cool down mode. If the system needs more than one screen to display all the auxiliaries (AqL RS 12 or larger), the first auxiliary on each of the subsequent screens would also flash when the filter pump circuit is in cool down mode. Revision JJ corrects this problem. | Size of the PPD, and thus its socket, increases from a 44 pin on previous PCBs to a 52 pin on boards with Assembly # 8125. The software written to the larger chip starts with Revision J. |
| | | | | X | Corrects problem, which caused the last auxiliary to be hidden from auxiliary freeze assignment when dip switch 1 (Cleaner) was turned on. | |
| | **Rev. JJ** | **1/1/2002** | X | | Corrects a problem where freeze protected items assigned from the OneTouch control panel would be lost when the system is switch from Auto to Service then Time Out and back to Auto. This is the same change as Revision II except the software information is programmed to the larger PPD chip. | |
| | | | X | | Corrects the screen jumping when assigning SpaLink RS buttons. | |
| | **Rev. K** | **8/15/2003** | X | | Freeze Protection wording changed to a separate line below AIR TEMP. Freeze Protection wording on JJ replace AIR TEMP causing confusion for the end user. | **Requires PCB # 8194** |
| | | | X | | Solar operates when the system is set to display Celsius. | |
| | | | | X | When equipment is turned on manually, that piece of equipment will come back on automatically when the system is switched from AUTO to SERVICE to TEMP OUT and back to AUTO; Look Back feature. | |
| | | | | X | FLOWLINK - Displays percentage of cleanliness of the filter in 25% increments. If the filter pressure drops below 2 PSI or rises above 40 PSI this indicates a major problem which will shut down the filter pump and flash the display back light. | Requires a Jandy Filter and pressure sensor. Hardware available in second quarter of 2004. |
| | | | | X | DAY LIGHT SAVINGS - System automatically switches to daylight savings. Feature can be disabled. | |
| | | | | X | PUMP LOCKOUT - Pool/Spa Combos can be set to keep pump on during valve rotation. | |
| | | | X | | Spa water temperature can be calibrated on dual equipment systems. | |
| | | | X | | Corrects problem which caused all setup values (programming, labels, assigning JVAs etc.) to be lost when a second (or multiple) ON/OFF times is added prior to a power outage. | |
| | | | | X | During programming (setting ON/OFF times) if the current time falls within the set time that piece of equipment will activate when programming is complete. It is no longer necessary to switch from AUTO to SERVICE to TIME OUT and back to AUTO to activate the equipment. | |

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| PCB 52-Pin PPD Socketted | Rev. K cont. | 8/15/2003 | X | | When connected to a AquaRite system the Filter Pump will continue to run at the end of Super Chlorination time if a programmed ON/OFF time is calling for operation. | |
| | | | X | | When a Dual Equipment RS system is connected to a AquaRite system the percentage of salt will be displayed when the Pool or Spa Pump is on. | |
| | | | | X | ASSIGN JVAs - Multiple JVAs can be assigned to one auxiliary. | |
| | | | | X | The EXTRA AUX can now be assigned to Freeze Protection. | |
| | | | | X | When AquaRite is connected to the RS 485 line, SuperChlorinate can be selected to operate in pool or SPILLOVER (dip switch 3 ON) mode. | |
| | | | X | | Corrects problem where HEATER ERROR was displayed at OneTouch Panel when heater was off line. | |
| | | | | X | MAINTAIN TEMP - Located in the TEMP SET area the system can be setup to have the temperature drive filter pump operation beyond the program time. Allows customer to set temperature for the pool or spa, and the system will maintain that temperature by turning on the filter pump, checking temperature and activating the heater if necessary. Heater must be enabled for this feature to operate. | |
| | | | | X | HEAT PUMP label. If a 2.2 K Ohms resistor is installed at the solar sensor terminals, the terminology SOLAR PUMP ON/OFF will change to HEAT PUMP ON/OFF after 24 hours. | |
| | | | | X | ALL OFF. Items turned on manually can all be turned off by activating ALL OFF. A time can be set for this to occur everyday. | |
| | | | | X | DUSK - Items) can be set to turn ON automatically at dusk. | |
| | | | | X | Additional chlorine generator communication. Will directly communicate with AutoPilot, AutoClear as well as AquaRite. | |
| | | | | X | Default date - 01/31/03 | |
| | | | X | | When system is in freeze mode all on/off equipment status is remembered. | |
| | | | | X | Water temperature is used to determine whether to run the chlorine generator. | |
| | | | | X | In freeze mode chlorine generator output switches to 0%. | |
| | | | | X | Firmware part number and revision letter appear on startup or if RESET button is held down for 4 seconds. | |
| | | | | X | When connected to a LX heater via the 4 conductor wire, the display now reads HEATER OFF LINE rather than HEATER ERROR. | |

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| PCB 52-Pin PPD Socketted | **Rev. L** | **10/1/2004** | | X | Jandy PC Docking Station allows a pool professional to download AquaLink RS configurations and programs to a new or existing AquaLink RS system from a PC and control via WebEx, PC Anywhere, etc.. | |
| | | | | X | The new Flowlink feature monitors the pool system's water pressure, reports cleanliness of the filtration system and when service is needed at the indoor control panel. This feature requires the additional FlowLink hardware kit. | FlowLink hardware not available at this time 4/15/08 |
| | | | | X | Heat Pump Chiller Control allows the user to enter a chill set point from the AquaLink RS indoor control panel and when the pool water reaches that set point the system will automatically activate the chiller. This feature requires an Air Energy Heat Pump/Chiller. | |
| | | | | X | Laminar Pulse Control will pulse the Jandy Laminar Jet and create a burst of light that travels through the stream of water and into the body of water. From the AquaLink RS indoor control panel choose from eight different effects. | |
| | | | | X | JandyColors Smart Light Control allows the user to choose one of several Jandy Light colors or cycle through all colors continuously from the AquaLink RS indoor control panel. | |
| | | | | X | Run Time feature gives the user the ability to assign a runtime for any device or a OneTouch macro button. | |
| | | | | X | Chlorine Generator Interfaces: In revision L, the Jandy AquaPure and ClorMatic brands have exclusive interfaces with the AquaLink RS. Previously, AquaRite (Goldline) and Autoclear units had interfaced with the AquaLink RS, however, revision L or later will no longer support these brands. When these manufacturer's chlorine generator are connected to the AquaLink RS 485 network, the AquaLink RS Indoor Control Panel will display, "NOT COMPATIBLE" IN Menu/Help/Diagnostics. | |
| | **Rev. M** | **2/20/2006** | | X | Allows separate AquaPure set points for pool and spa. No longer automatically changes chlorine output to 10% for pool setting. | |
| | | | | X | Changes to the chlorine output percentage is now in 5% increments (was 1%) | |
| | | | | X | Chlorine output of the AquaPure can be set for both the pool and spa from the equipment pad. This feature requires the AquaPure to be the latest revision 11230A05 also. | Requires the AquaPure firmware to be 11230A05 of newer. |
| | | | | X | Support for AquaPalm wireless handheld. | |
| | | | X | | If there is a power outage when the system is in SERVICE or TIME MODES, the system will revert back to AUTO when power is restored. | |
| | | | X | | PRODUCT INFO - When entering numbers, the system did not allow you to go backwards once you get to "9", only forward. | |
| | | | X | | Jandy Color Lights can now be assigned to Dusk and OneTouch Buttons. | |
| | | | | X | Assign OneTouch buttons to SpaLink. | |
| | | | | X | Assign OneTouch buttons to AquaPalm HOT KEYs. | |
| | | | | X | If AquaRite chlorine generator is connected to the PCB permanent damage of PCB will result on power up. | |

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| PCB 52-Pin PPD Socketted | **Rev. MM** | 3/21/2006 | X | | Allows access to Lights sub-menu with All Button Control Panel. | |
| | | | X | | Default and maximum BOOST are now set to 24 hrs. | |
| | | | X | | Corrects problem where Program Time of Spa overrides Run Time. | |
| | | | X | | TeleLink now voices custom label as the original name of the auxiliary, e.g. custom label for AUX 3 will be heard as auxiliary three on/off. | |
| | | | | X | New daylight savings schedule for 2007 has been implemented. | |
| | **Rev. MMM** | 7/26/2006 | | X | AquaPalm: From an AquaPalm handheld, you can adjust the Light Dimming % of any Auxiliary when a Light Dimming Relay is added to the AquaLink RS system. | **Last Rev to use PCB # 8194** |
| | | | | X | AquaPalm: Eliminates the skipping of lines on the handheld when the UP or DOWN arrow is pressed. | All systems |
| | | | X | | AquaPalm: Increase speed for quicker response. Handheld & J-Box must also be 3.0 or newer. | All systems |
| | | | | X | 12V JandyColor Lights: Adjusted the synchronization of 12V Pool Lights with 12V Spa Lights. | All systems |
| | | | | X | Dual Equipment and Pool Only RS Systems with an AquaPure/PureLink: Rev MMM firmware now allows adjustment of the AquaPure or PureLink chlorine generator output percentage (%) from the Control Box or Power Center at the equipment. When the AquaLink RS Power Center is placed into SERVICE MODE, the user can adjust the % output from the equipment. | All systems |
| PCB 50-Pin CPU #E02606 | **Rev. N** | 9/24/2007 | | X | ESP Link - Season Adjust Energy Saving Program: Eliminates the need to manually change programs when outdoor temperatures typically change. The OneTouch system will automatically adjust % output settings and program times for Filtration, Water Purification, Lighting, Sprinklers, Water Leveling, and Cleaner based on the requirements for that month. | **Requires PCB # R0466700** |
| | | | | X | Heat Pump / Chiller auto change from indoor remote. | OneTouch Only |
| | | | | X | Sprinkler Control: The new Jandy Sprinkler Module controls up to 8 sprinkler valves from the AquaLink RS OneTouch control panel, eliminating the need to learn or step outside to review or change sprinklers settings. | OneTouch Only |
| | | | | X | RS InterLink: Jandy's new RS InterLink module allows control of more than 3 bodies of water from a single OneTouch control panel. If interfacing with Home Automation must use 2 Serial Adapters and connect from individual Power Centers, not from the OneTouch remote. | OneTouch Only |
| | | | | X | ColorLogic Interface: Smart interface with the Hayward ColorLogic LED Light, so consumers can select color schemes from the OneTouch indoor remote or AquaPalm wireless remote. | OneTouch and All Button |
| | | | | X | Password Protect: The entire system, remotes, or devices can be locked out and only accessed with a password, perfect for rental properties. | OneTouch Only |
| | | | | X | LXi and New Heat Pump Interface: RS485 interface with Jandy's new LXi heater and Heat Pump for operation convenience. | OneTouch and All Button |
| | **Rev. O.1** (Released to Anthony & Sylvan, Mission Pools only) | 1/15/2008 | | X | Variable Speed Pump Control (OneTouch only) Via the RS485 connection automate the Pentair Variable Speed, Pentair Variable Flow, Pump's eliminating the need for any extra hardware. Filtration pump set up only. No Aux Pump labels. Freeze speed NOT adjustable. | **Requires PCB # R0466700**  **OneTouch only** |
| | | | | X | Jandy WaterColors LED Light Smart Interface (OneTouch only) Select one of 9 vibrant colors or 5 dazzling color schemes directly from the OneTouch or AquaPalm. | OneTouch and All Button |

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| **PCB 50-Pin CPU #E02606** | **Rev. O.2** | 4/21/2008 | | X | Variable Speed Pump Control (OneTouch only)  Via the RS485 connection automate the Pentair Variable Speed, Pentair Variable Flow Pump's eliminating the need for any extra hardware.  Filtration and Aux.Pump set up, including Aux. Pump labels.  Freeze speed now adjustable. | **Requires PCB # R0466700**<br><br>OneTouch only |
| | | | | X | Jandy WaterColors LED Light Smart Interface (OneTouch only) Select one of 9 vibrant colors or 5 dazzling color schemes directly from the OneTouch or AquaPalm. | OneTouch and All Button |
| | **Rev. P** | 2/12/2009 | | X | Jandy ePump Control.  Via the RS485, red 4-pin connection, automate Jandy ePump Variable Speed Pumps. | Rev O.2 will not properly control the Jandy ePump. |
| | | | | X | Jandy ChemLink Chemical Automation Controller.  Via the RS485 red 4-pin, connection and a C1900 ChemLink automate any Salt Water Chlorinator or liquid chemical feeders. | Requires ChemLink part # C1900 |
| | | | | X | VSP: Add "restore factory settings" to VSP menu. | |
| | | | | X | VSP: Control multiple, various brand VSP's at the same time from a single OneTouch or PDA. | |
| | | | | X | VSP: Adjust the VSP speed from the Equip on/off menu when Freeze Protect is active. | |
| | | | X | | VSP:  Minimum RPM level changed from 400 to 600 RPM. | |
| | | | X | | VSP: Display of "Pump Offline" in the System Setup menu ONLY if a VSP is powered ON but not responding to commands. | |
| | | | X | | VSP: Priming Duration default changed from 1 to 3 minutes. | |
| | | | X | | VSP: Filtration Speed default changed from 1725 to 1750 RPM | |
| | | | X | | VSP:  * *Priming* * is displayed in Equipment Status screen. | |
| | | | X | | VSP:  No longer display the RPM "read value " from pumps, rather show the "command value". | |
| | | | X | | VSP: If a speed is assigned to an AUX, turning on the AUX will turn on the Filtration Pump as well. | |
| | | | X | | VSP: Fixed a problem where and AC VSP was reporting that it was NOT CONNECTED. | |
| | | | X | | VSP: Manual activation of a speed assigned to an AUX will override a program speed. | |
| | | | X | | VSP:  Show VSP in System Setup menu when a Heat Pump is connected to the RS485 network. | |
| | | | X | | VSP: Eliminate invalid WATT readings. | |
| | | | X | | VSP:  With Dip S1-5 ON, ePump status byte is now displayed. | |
| | | | X | | VSP:  Added the ePump firmware version number to the diagnostic screen. | |
| | | | X | | VSP: When exiting SERVICE MODE, the pump would skip the priming stage (if the pump is on in AUTO mode) | |
| | | | X | | Auxiliary PCB's now control light dimmers on any Aux. | |
| | | | X | | Added a second screen for display of additional Remotes in Diagnostics & Equipment Status Screen; use the Up/Down arrow keys to advance to the next screen.  Press Back to return to main. | |
| | | | | X | Sprinkler Control: Added EVEN or ODD watering days/ | |
| | | | | X | Sprinkler Control:  Added manual start times for individual sprinkler valves. | |
| | | | | X | Interface with Zodiac's LM3 and DuoClear systems, allows entering set points & viewing ppm's | |
| | | | X | | Allow SWC BOOST mode to run in SPILLOVER mode | |
| | | | X | | Prevents gas heaters and heat pumps from cycling on and off under 5 minutes. | Issue appears on Rev N or later |
| | | | X | | Improvements to the internal clock eliminating "noise" from advancing the time. | |
| | | | X | | If a device is assigned to an AUX and contains the word "PUMP;, then prompt the user with a message reminding them to enable Freeze Protection. | |
| | | | | X | Added new daylight saving time changeover dates to the PDA. | |

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| **PCB 50-Pin CPU #E02606** | | | | X | Added Toronto, Vancouver, and Mexico City to the Dusk feature. | |
| | **Rev. Q** | 4/21/2010 | | X | AquaLink Touch Screen firmware support | Touch Screen |
| | | | | | | |
| | **Rev. QQ** | 9/10/2010 | | X | Variable Speed Pump speeds assigned for Pool/Spa Heater and Solar Heat: The pump will operate at the speed that is assigned to an auxiliary or manual operation. The exception to this rule will be when the pool/spa heater is firing or when the solar heat is ON. To protect the heater or solar panels we do not allow the user to select a lower speed. We will not allow a user to select a lower pump speed than that of the pool/spa heater or solar heat. Auxiliaries with lower speed settings than the Gas or Solar Heat Speed settings will not allow manual override. If you have several auxiliaries that have speeds assigned and if they are ON, and you then turn off one of the auxiliaries, the pump will switch to the highest speed that is assigned to any of the auxiliaries that are ON. SUMMARY, if the pool/spa heater or solar heat is ON, we do not allow the user to select a lower pump speed. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump and Scheduled operations: The pump will operate at the speed programmed. However, if the heater is firing or the solar heat is ON, the pump will not operate lower | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump and adjusting speeds from the Other Devices or Equipment On/Off screen: From the OTHER DEVICES menu you can set the pump to whatever speed you want for that time of operation. The pump speeds are not saved so if you turn the pump OFF and then ON again. The pump will revert back to the default values in the Variable Speed Pump Setting menu. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump and Freeze Protection: In Freeze Protect mode the pump will turn ON and operate at the freeze protect speed. If the Filter Pump speed is higher than the Freeze protect speed, then the pump will operate at the Filter Pump speed. Also if speeds have been assigned to auxiliaries and if those auxiliaries are freeze protected, the pump will operate at the highest speed. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump speed settings activated with Auxiliaries: The speed assigned to the Aux that was pressed last takes precedence. For example, if the pump is at 3000RPM, and then AUX1 is pressed, the pump will switch to the speed that is assigned to AUX1 regardless of whether the speed is higher or lower than the speed that the pump is currently running at. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump speed settings activated with Auxiliaries: If you have several auxiliaries ON and all of them have a speed assigned to them, the pump will switch to the highest speed. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump and Scheduled Pump Speeds: The pump will go to the speed that is being turned ON by the program regardless of what the speed currently operating. If a program time ends and there are other programs overlapping, the pump will operate at the highest programmed speed. | OneTouch and Touch Screen |
| | | | | X | Variable Speed Pump and Scheduled Auxiliaries with Pump Speeds: The pump will go to the speed that is assigned to the aux that is being turned ON, regardless of what speed currently operating. If several programs are overlapping for auxiliaries that have speeds assigned to them, the pump will operate at the speed of the aux that was last turned ON. | OneTouch and Touch Screen |
| | | | X | | Variable Speed Pumps In freeze protect mode, it is possible to switch the pump to a higher speed. The Equipment Status screen now displays the speed active. | OneTouch and Touch Screen |

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| **PCB 50-Pin CPU #E02606** | | | X | | Variable Speed Pumps issue corrected if a speed was assigned to Auxiliaries B1-B8, Auxiliaries C1-C8, Auxiliaries D1-D8, and extra Auxiliary, occasionally the pump would not go to the correct speed if one of those auxiliaries were pressed. | OneTouch and Touch Screen |
| | | | X | | Variable Speed Pump with competing Heater and Cleaner Speeds: Fixed a VSP problem where if the Filter Pump and Cleaner were ON and the Heater was ENABLED, the pump speed would drop to the Heater speed and shut OFF the Cleaner because there was not enough water flow. Rev QQ now leaves the Pump at the highest speed (cleaner in this case). | OneTouch and Touch Screen |
| | | | X | | Variable Speed Pump with Heater and Solar Speeds: Fixed a problem where the Solar Heat and Pool Heat Speed messages where being displayed anytime an Aux. was pressed, even if it did not have a speed assigned to it. These are the messages that inform the user that the pump speed was not changed in order to protect the heater or solar panels. | OneTouch and Touch Screen |
| | | | X | | Variable Speed Pump and Aux.: Messages On DUAL EQUIPMENT systems, it was possible in spa cool down for the VSP to turn OFF, even if it still had power applied to the pump. | OneTouch and Touch Screen |
| | | | X | | Variable Speed Pump Speed Adjust: The Pump must be ON in order to adjust the speed. | OneTouch and Touch Screen |
| | | | X | | Customize Home Screen: Removed the occasion where an icon on the home screen of "AUX J74" would display. | Touch Screen |
| | | | X | | Schedule Screen: Corrected an issue if more than 12 schedules were added, the 3rd page of the list box would not display properly. | Touch Screen |
| | | | | X | Schedule Screen: When adding or modifying schedules, the item schedule you are working on is now listed first on the schedule and at the top of the screen eliminating the need to page down or page up to continue. | Touch Screen |
| | | | X | | Schedule Screen: Removed the occasion when two or more of the DAY buttons are highlighted, to where only one Day at a time should be highlighted. | Touch Screen |
| | | | X | | Schedule Screen: Removed the occasion that the unit was displaying a blank screen at the list box with a blank line highlighted if there were 6 or more scheduled times setup on a system. | Touch Screen |
| | | | X | | Home Screen: Removed the occasion that "Auxiliary 11" would display on the Home Screen. | Touch Screen |
| | | | X | | Other Devices: from Home Screen Eliminates the display automatically reverting back to the Home screen when the Heater Button is pressed. | Touch Screen |
| | | | | X | Lockouts: Device lockouts now work for Aux. C1-C8 and D1-D8. | Touch Screen |
| | **Rev. R** | X/XX/2011 | | X | Add support for iAquaLink | |
| | | | | X | Add support for Smart JVA | OneTouch and Touch Screen |
| | | | | X | Add support for Cover Pool control | OneTouch and Touch Screen |
| | | | X | | Corrects problem where Heat Pump/ Chiller does not show properly on Touch Sreen | Touch Screen |

| Item | Software Revision | Effective Date | Fix | New | System Changes | Comments |
|------|------|------|-----|-----|------|------|

## PDA Software, J-Box and Handheld Revisions Nov., 2011

| Item | Software Revision | Effective Date | Fix | New | System Changes | Comments |
|------|------|------|-----|-----|------|------|
| PCB 52-Pin PPD Socketted | 1.2 | May '05 | | X | First production PPD<br>Separate pool and spa chorine production output settings. | |
| | 2.6.1 | April '06 | | X | Adjustment of chlorine production output from equipment pad<br>Interface with Color Logic lights | |
| | 3.0 | July '07 | X | | Increase speed for quicker response. Handheld & J-Box must also be Rev 3.0 or newer. | |
| | 4.0<br>(Anthony/Sylvan & Mission Pools) | Jan. '08 | | X | Variable Speed Pump Control (Pentair VP & VF) Limited to Filtration Pump, no adj. Freeze speed. | |
| | | | | X | Add control of Jandy WaterColors (LED) Lights. | |
| | 4.1 | April '08 | | X | Variable Speed Pump Control (Pentair VS/VF, Hayward AC) | |
| | | | | X | Control of Jandy LXi Heater via RS485 Network (red 4 pin) | |
| | | | | X | Control of Jandy WaterColors (LED) Lights. | |
| PCB 52-Pin PPD Socketted | **5.0** | **January '09** | | X | Jandy ePump control . Via the RS485, red 4-pin connection, automate Jandy ePump Variable Speed Pumps. | PDA Rev 4.1 will not properly control the Jandy ePump. |
| | | | | X | Jandy ChemLink Chemical Automation Controller. Via the RS485 red 4-pin, connection and a C1900 ChemLink automate any Salt Water Chlorinator or liquid chemical feeders. | Requires ChemLink part # C1900 |
| | | | | X | VSP: Add "restore factory settings" to VSP menu. | |
| | | | | X | VSP: Control multiple, various brand VSP's at the same time from a single PDA. | |
| | | | | X | VSP: Adjust the VSP speed from the Equip on/off menu when Freeze Protect is active. | |
| | | | X | | VSP: Minimum RPM level changed from 400 to 600 RPM. | |
| | | | X | | VSP: Display of "Pump Offline" in the System Setup menu ONLY if a VSP is powered ON but not responding to commands. | |
| | | | X | | VSP: Priming Duration default changed from 1 to 3 minutes. | |
| | | | X | | VSP: Filtration Speed default changed from 1725 to 1750 RPM. | |
| | | | X | | VSP: * * *Priming* * * is displayed in the Equipment Status screen. | |
| | | | X | | VSP: No longer display the RPM "read value " from pumps, rather show the "command value". | |
| | | | X | | VSP: If a speed is assigned to an AUX, turning on the AUX will turn on the Filtration Pump as well. | |
| | | | X | | VSP: Fixed a problem where and AC VSP was reporting that it was NOT CONNECTED. | |
| | | | X | | VSP: Manual activation of a speed assigned to an AUX will override a program speed. | |
| | | | X | | VSP: Eliminate invalid WATT readings. | |
| | | | X | | VSP: With Dip S1-5 ON, ePump status byte is now displayed. | |
| | | | X | | VSP: Added the ePump firmware version number to the diagnostic screen. | |
| | | | X | | VSP: When exiting SERVICE MODE, the pump would skip the priming stage (if the pump is on in AUTO mode) | |
| | | | X | | Added a second screen for display of additional Remotes in Diagnostics and Equipment Status Screen; Use the Up/Down arrow keys to advance to the next screen. Press Back to return to main screen. | |
| | | | | X | Interface with Zodiac's LM3 and DuoClear systems to allow entering set points and viewing ppm from OneTouch or PDA remotes. | |

| Item | Software Revision | Effective Date | Fix | New | System Changes | Comments |
|---|---|---|---|---|---|---|
| | | | X | | Allow SWC BOOST mode to run in SPILLOVER mode | |
| | | | X | | Changed AquaPure house max value from 96 to 24 hrs. | |
| | | | X | | Prevents gas heaters and heat pumps from cycling on and off under 5 minutes. | |
| | | | X | | If a device is assigned to an AUX and contains the word "PUMP;, then prompt the user with a message reminding them to enable Freeze Protection. | |
| | | | | X | Added new daylight saving time changeover dates to the PDA. | |
| PCB 50-Pin CPU #E02606 | | | | X | Add communication with iAquaLink | |
| | 1.26 | April '05 | | X | First production J-Box unit released | |
| | 1.27 | May '05 | X | | Back button will exit unit out of waiting | |
| | 1.28 | July '05 | | X | Added Cancel Delay feature to J-Box | |
| J-Box | 1.29 | Dec. '05 | X | | Added temperature/frequency compensation so J-Box will continue to operate when ambient temperature is over 120 ºF. | |
| | 3.0 | July '07 | X | | Increase speed for quicker response. Handheld & PPD must also be 3.0 or newer. | |
| | | | | | | |
| | 1.33 | April '05 | | X | First production J-Box unit released | |
| | 1.34 | May '05 | | X | Change battery icon to blinking when low | |
| Handheld | 1.35 | July '05 | | X | Added Cancel Delay feature to Handheld (hold down DOWN & BACK buttons together).  When batteries are installed, the Handheld unit will not automatically power up. | |
| | 1.36 | Nov. '05 | X | | Removed vertical and horizontal bars from screen. | |
| | 1.37 | Dec. '05 | X | | Changed text on screen from PDA to Handheld. Corrected problem of Handheld being stuck on waiting when power is turned off then on within 10 seconds. | |
| | 1.38 | Aug. '06 | | X | Firmware modified for new RF chip (old RF chip supported) | |
| | 3 | July '07 | | X | Increase speed for quicker response. J-Box & PPD must also be 3.0 or newer. | |