

Aqua Logic<sup>®</sup>

and

PRO  
**LOGIC**<sup>™</sup>

**Spaside Remote Control**



**Installation and Operation Manual**

for model

**AQL2-SS-RF**

## Compatibility

This product is compatible with all Pro Logic controls and Aqua Logic controls operating with software revision r1.10 or higher and using an AQL2-BASE-RF Base Station operating with software revision r3.00 or higher. Note that this product will NOT communicate with a AQL-BASE-RF Base Station. To verify the software level of your Aqua Logic control, press the Menu button (possibly multiple times) until "Diagnostic Menu" is displayed. Press the ">" or "<" keys (possibly multiple times) until the main software revision level is displayed (the revision should be 1.10 or higher). Next, press the ">" key (possibly multiple times) until the "RF Base" revision level is shown (the revision should be 3.00 or higher).

If the software revision level is less than those specified above, contact the Technical Service Dept. from Monday through Friday, 8AM to 8PM Eastern at 908-355-7995 for information on upgrades.

## Installation

- Batteries are installed at the factory:** There is no need to open the spaside unit.
- Base Station required:** The Pro Logic or Aqua Logic control unit must have an AQL2-BASE-RF base station installed. The base station allows the Pro Logic/Aqua Logic control unit to communicate with the spaside remote.
- Teach the unique ID code:** The base station attached to the Pro Logic/Aqua Logic control unit has a unique ID code that ensures that your unit will not affect other systems in the neighborhood, and likewise, their remote will not affect your system. To teach the ID code to the spaside remote unit:

Settings  
Menu

Teach Wireless:  
+ to start

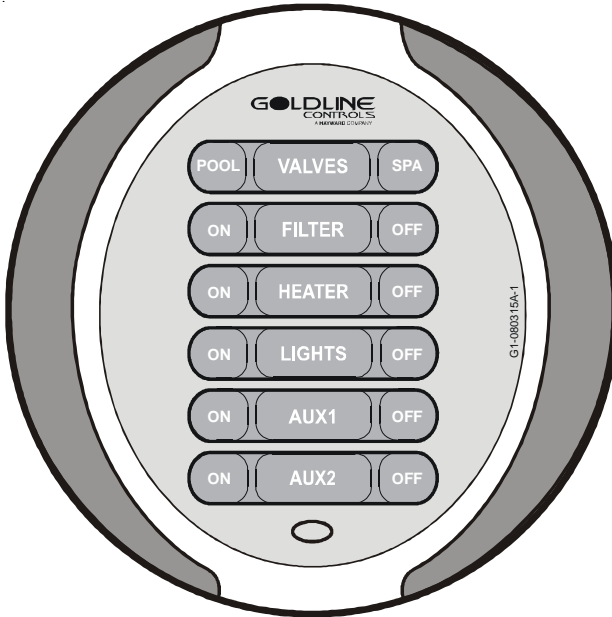
Press and hold  
wireless button

Teach Wireless:  
Successful

- On any Pro Logic/Aqua Logic display/key-pad unit press the "Menu" button (possibly multiple times) until "Settings Menu" is displayed.
  - Press "<" or ">" (again, possibly multiple times) until "Teach Wireless" is displayed.
  - Press the "+" button to start the teaching process.
  - Press and hold any button on the spaside remote. The LED indicator should blink once when the button is first pushed. Continue holding the button until the LED flashes 3 times (within about 7 seconds). This is a confirmation that the operation was successful. The Pro Logic/Aqua Logic display will indicate "Teach Wireless: Successful" at this time. If the LED indicator does not flash 3 times, refer to the Troubleshooting section of this manual for additional information.
- Apply labels:** The Pro Logic and Aqua Logic controls allow each output (e.g. AUX1) to be renamed to what is actually being controlled. The spaside remote comes with a sheet of name labels—simply peel the appropriate label off the sheet and apply to the appropriate set of buttons on the spaside remote.
  - Installation is complete:** You can now use the spaside wireless remote.

## Operation

The spaside remote communicates with the base station on the Pro Logic/Aqua Logic control unit using RF (radio frequency) technology. When you push a button on the spaside remote, it sends a command and flashes the LED indicator once. After a brief delay, the spaside remote receives a confirmation from the Pro Logic/Aqua Logic base station and the LED indicator on the spaside remote will flash 2 times. This double LED flash is your confirmation that the command has been successfully transmitted to the control unit. If the LED doesn't flash at all or else just flashes once after you've pushed a button, refer to the Troubleshooting section for assistance in resolving these problems.



**Valves POOL/SPA** These buttons will allow you to select either pool or spa operation. You can not select spa spillover operation from the spaside remote.

**Filter ON/OFF** The ON/OFF buttons allow manual operation that will override any automatic control settings (e.g. timeclock). The manual setting will remain active until the next scheduled automatic turn on/off event. There are some exceptions:

If the Heater1 is operating and the heater cooldown function is enabled, then pressing the OFF button will turn off the heater and the pump will run for another 5 minutes to allow the heater to cooldown before automatically turning off.

If the freeze protection feature is enabled and the air temperature is below the selected freeze protection threshold (38°F default), then the pump will remain on to ensure that the pipes do not freeze.

- Heater ON/OFF Provided that the filter pump is running, normal Pro Logic/Aqua Logic operation will turn the heater (HEATER1 output) on until the desired temperature (see Settings Menu) is attained. The heater will then turn on periodically, as required, to maintain that temperature. When the "ON" button is pushed, the heater will turn on for a minimum of 5 minutes or until the water reaches 104°F. This allows users in the spa to temporarily override the normal temperature setting. When the "OFF" button is pushed, the heater is turned off regardless of the water temperature and will remain off until either the "ON" button is pressed, or the start of the next normal filter timer period.
- Lights ON/OFF The "ON"/"OFF" buttons allow manual operation that will override any automatic control settings (e.g. timeclock). The manual setting will remain active until the next scheduled automatic turn on/off event.
- Aux1 ON/OFF The "ON"/"OFF" buttons allow manual operation that will override any automatic control settings (e.g. timeclock). The manual setting will remain active until the next scheduled automatic turn on/off event. Note that the Aux3 - Aux6 outputs on Pro Logic/Aqua Logic -PS-8 models (Aux3-Aux14 on PS-16 models) can NOT be controlled by this remote.

## Battery Replacement

The spaside remote runs on two AAA batteries. Since the internal circuits are only active when you push a button, it is anticipated that the original, factory-installed, batteries should provide years of service. If you do not at least see a single flash of the LED indicator when you push a button, then the batteries may need replacement.

It is **IMPORTANT** that you carefully follow this procedure to ensure that your spaside remote retains its watertight integrity:

1. Use a Phillips head screwdriver to remove the 4 screws on the back of the spaside remote. These are special screws with built-in O-rings and are an important part of making the spaside remote watertight.
2. Separate the 2 halves of the remote. Do not touch the O-rings or allow any debris to fall onto the O-ring surface.
3. Replace the 2 AAA batteries. Alkaline batteries are recommended for maximum life. If you observe any corrosion or water damage, contact the Goldline Technical Service Dept. Monday through Friday, 8AM to 8PM at 908-355-7995 for assistance.
4. Carefully replace the back cover on the spaside remote.
5. Reinstall all 4 of the original screws.
  - a. Loosely tighten all four screws.
  - b. Then go back and firmly tighten each screw.
6. The spaside remote will remember the ID code of the base station, so it is not necessary to perform the "Teach Wireless" procedure again. Verify proper operation by pressing any button and observing 2 flashes indicating that the message was transmitted to the base station and a confirmation was received.

# Troubleshooting

- 1. Can't find the "Teach Wireless" display:** Press the "menu" button (possibly more than once) until "Settings Menu" is displayed. Next, press the "<" or ">" buttons (possibly more than once) until the "Teach Wireless" display appears. If you get to the point where "Settings Menu" appears again, then this means that the Pro Logic/Aqua Logic control unit is not communicating with the base station. Check that the 4 wire cable from the base station is plugged into the "wireless" connector on the main printed circuit board. If this connector is already plugged in (for more than 30 seconds), then call Goldline Technical Service for assistance.
- 2. "Teach Wireless" failed:** Ensure that the remote is powered when pressing the button. This is indicated by a single flash of the LED on the spaside remote or a message on the display of the in-house remotes. If the remote is powered, then the next most likely cause is that the distance between the base station and the remote is too great—try moving the remote closer to the base station. Lastly, there may be other equipment in the neighborhood that is using the same frequency. To see if this is the case, go to the Settings Menu/Wireless Channel and select another channel. Note that after you change the channel you will have to "re-teach" every wireless remote device in the system.
- 3. Unreliable communication with remote devices:** The most likely cause is that the distance between the base station and the remote is too great—try moving the remote closer to the base station. Lastly, there may be other equipment in the neighborhood that is using the same frequency. To see if this is the case, go to the Settings Menu/Wireless Channel and select another channel. Note that after you change the channel you will have to "re-teach" every wireless remote device in the system.
- 4. Single LED flash when a button is pushed:** The radio signal may be too weak—try pointing the spaside remote in the direction of the pool equipment or try moving closer to the pool equipment. If that doesn't work, then try the "Teach Wireless" procedure to ensure that the remote knows the ID code of the base station and also what channel to communicate on. If this procedure is not successful, then refer to the "Teach Wireless" failed section above.
- 5. The filter pump won't turn off when the "OFF" button is pressed:** (1) If the heater cooldown feature is enabled and the heater is on, then pressing the "OFF" button will cause the heater to turn off but leave the filter pump running for 5 more minutes to allow the heater to cooldown. Pressing the "OFF" button a 2<sup>nd</sup> time will override the cooldown period and turn the pump off. (2) If the freeze protection feature is enabled and the air temperature is less than 38°F then the pump will run continuously and any OFF button press will be disregarded.
- 6. Functions won't turn on when the "ON" button is pressed:** (1) If the "SYSTEM OFF" button (PS versions only) has been pushed then all functions are disabled. Press the "System Off" button again to resume normal operation. (2) If the Pro Logic/Aqua Logic system is in service mode, then functions can only be turned on at the main unit display/keypad. Press the "SERVICE" button once (or twice) until normal operation is restored. (3) The filter pump is turned off for a short period of time while the valves are rotating. Normal operation will resume automatically when the valve(s) have finished their rotation.



**LIMITED WARRANTY (effective 01/01/09)** Goldline warrants its Aqua Rite, Aqua Rite Pro, Aqua Logic, Pro Logic and E-Command products to be free of defects in materials and workmanship, under normal use and service for a period of three (3) years. This warranty is applicable from the initial date of installation on private residential swimming pools in the US and Canada. The warranty is not transferable and applies to the original owner only.

Aqua Trol, commercial installations, installations outside of the US and Canada, accessory products and replacement parts are covered under the terms of the warranty for a period of one (1) year.

Proof of purchase is required for warranty service. If written proof of purchase is not provided, the manufacturing date code will be the sole determinant of the date of installation of the product.

To obtain warranty service or repair, please contact the place of purchase or the nearest Goldline authorized warranty service center. For more information on authorized service centers please contact the Hayward/Goldline Technical Service Support Center ( 61 Whitecap Road, North Kingstown RI, 02852) or visit the Goldline web site, [www.goldlinecontrols.com](http://www.goldlinecontrols.com).

**WARRANTY EXCLUSIONS:**

1. Material supplied or workmanship performed by others in process of installation.
2. Damage resulting from improper installation including installation on pools larger than the product rating.
3. Problems resulting from failure to install, operate or maintain the product(s) in accordance with the recommendations contained in the owners manual(s).
4. Problems resulting from failure to maintain pool water chemistry in accordance with -the recommendations in the owners manual(s).
5. Problems resulting from tampering, accident, abuse, negligence, unauthorized repairs or alternations, fire, flood, lightning, freezing, external water, degradation of natural stone used in or immediately adjacent to a pool or spa, war or acts of God.

**DISCLAIMER. THE EXPRESS LIMITED WARRANTY ABOVE CONSTITUTES THE ENTIRE WARRANTY OF GOLDLINE WITH RESPECT TO ITS POOL AUTOMATION AND CHLORINATION PRODUCTS AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. IN NO EVENT SHALL GOLDLINE BE RESPONSIBLE FOR ANY CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS, AND OTHER ADDITIONAL EXPENSES, EVEN IF THE SELLER HAD BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OF LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

**NO WHOLESALE, AGENT, DEALER, CONTRACTOR OR OTHER PERSON IS AUTHORIZED TO GIVE ANY WARRANTY ON BEHALF OF GOLDLINE.**

**THIS WARRANTY IS VOID IF THE PRODUCT HAS BEEN ALTERED IN ANY WAY AFTER LEAVING THE FACTORY.**

## FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Goldline Controls could void the user's authority to operate this equipment.

NOTE: This equipment 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. This equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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.

## Industry Canada Statement

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.



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