

Aqua Logic[®]

Base Receiver



Installation/Operation Manual

for model

AQL-BASE-RF

GOLD LINE
CONTROLS INC.
North Kingstown, RI USA

www.goldlinecontrols.com

Compatibility

This product is compatible with all Aqua Logic controls operating software revision r1.10 or higher. To verify the software level of your Aqua Logic control: Press the Menu button (possibly multiple times) until “Diagnostic Menu” is displayed. Next, press the “>” or “<” keys (possibly multiple times) until the main and display software revision levels are displayed (the “main” rev should be r1.10 or higher).

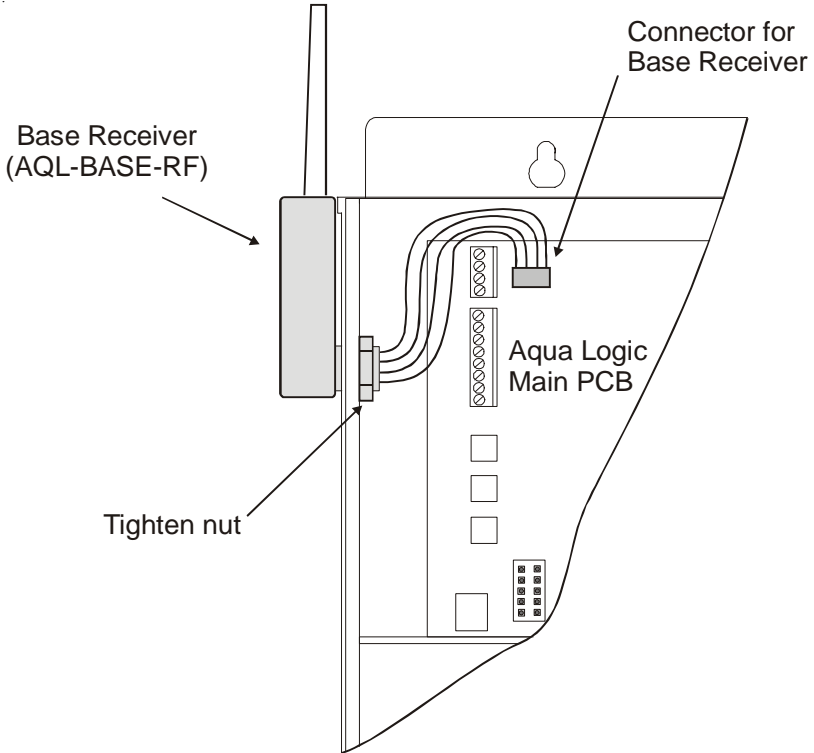
If the software revision level is less than r1.10 contact the Goldline Technical Service Dept. from Monday through Friday, 8AM to 8PM Eastern at 888-921-7665 for information on upgrades.

This Aqua Logic base receiver can communicate with the Aqua Logic spa-side remote (AQL-SPASIDE-RF) and also the wireless in-house remote display/keypads (AQL-REMOTE-RF-PS-4/8/16).

Installation

Installation is very easy and should just take a few minutes.

Disconnect power and then remove the panel from the Aqua Logic control unit. Remove the knock-out on the upper left side of the Aqua Logic main unit and mount the RF base station. Secure the base receiver in place by firmly tightening the nut from inside the Aqua Logic unit. Lastly, plug the pigtail cable into the “wireless connector” connector on the Aqua Logic main circuit board.



Operation

Every Base Receiver is manufactured with a unique ID code. This allows private, secure communication with all of your remote devices while ignoring any signals transmitted by other wireless devices including any other Aqua Logic controls in the neighborhood.

IMPORTANT: Before trying to use any remote device: You must "teach" the correct ID code to the remote device so it knows which base receiver to communicate with. Refer to the Aqua Logic Operation Manual or the manual for your remote device for "teaching" instructions .

The Aqua Logic Base Receiver and remote devices are programmed with a sophisticated protocol that automatically switches frequencies if other devices are interfering. In the unlikely event that it can not find a usable frequency, it may be necessary to change channels. Refer to the Aqua Logic Operation Manual for instructions.

Troubleshooting

If you believe that your system is not operating properly or if you have a general question regarding system operation, you may call the Goldline Technical Service Dept. from Monday through Friday, 8AM to 8PM Eastern at 888-921-7665.

- 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 "Teach Wireless" display appears. If you go through all of the displays without ever seeing the "Teach Wireless" and you get to the point where "Settings Menu" appears again, then this means that the Aqua Logic control unit is not communicating with the Base Receiver. Check that the 4 wire cable from the base receiver is plugged into the "wireless connector" on the main printed circuit board (refer to the Installation section for connection diagram). 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 on the LED on the spa-side 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 receiver and the remote is too great—try moving the remote closer to the receiver. 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 receiver and the remote is too great—try moving the remote closer to the receiver. 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. No communication with remote controls:** Try the "Teach Wireless" procedure to ensure that the remote knows the ID code of the base receiver and also what channel to communicate on. If this procedure is not successful, then refer to the "Teach Wireless" failed section above.

Aqua Rite®, Aqua Logic® & Aqua Trol® Limited Warranty

This warranty statement is applicable to all *Aqua Rite®*, *Aqua Logic* and *Aqua Trol®* units with product date codes of January 1, 2002 and after, and supersedes all warranty statements dated prior to January 1, 2002. This Limited Warranty applies only to *Aqua Rite®*, *Aqua Logic* and *Aqua Trol®* Electronic Chlorine Generators. Refer to the appropriate limited warranty statement for all other Goldline Controls products.

When installed on private, single-family residential swimming pools or spas within the USA and Canada: Goldline Controls, Inc. (Goldline) warrants *Aqua Rite®*, *Aqua Logic* and *Aqua Trol®* to be free from defects in material or workmanship, under normal use and service on **private, single-family residential swimming pools within the USA and Canada for five years** from date of the initial system installation, provided it is installed and maintained in accordance with the installation instructions and specifications. If written proof of the date of the initial system installation is not provided to Goldline, the manufacturing datecode on the *Aqua Rite®*, *Aqua Logic* and *Aqua Trol®* electronics unit will be the sole determinant of the date of the initial system installation.

If a product is defective, in workmanship or materials and is removed within 3 years (36 months) after the date of the initial system installation and is returned freight prepaid, Goldline Controls will, at its option, either repair or replace the defective product and return it freight prepaid. For years 4 and 5, Goldline, at its option, either repair or replace the defective product and will charge 60% of the current list price for such repairs or replacements, plus shipping charges. Goldline will not assume any of the cost incurred in removal or reinstallation of the product.

When installed on all other pools or spas

The Limited Warranty for **all other pools**, including but not limited to commercial pools, public pools, and pools located outside the USA and Canada, is **one year** from date of the initial system installation, provided it is installed in accordance with the installation instructions and specifications. If written proof of the date of the initial system installation is not available, the manufacturing date-code on the *Aqua Rite®*, *Aqua Logic*, or *Aqua Trol®* electronics unit will be the sole determinant of the date of the initial installation.

If a product is defective, in workmanship or materials and is removed within 1 year (12 months) after the date of the initial system installation, and is returned freight prepaid, Goldline will, at its option, either repair or replace the defective product and return it freight prepaid. Goldline will not assume any of the cost incurred in removal or reinstallation of the product.

Replacement parts

If a purchased replacement part is defective, in workmanship or materials and is removed within 1 year (12 months) after the date of purchase, and is returned freight prepaid, Goldline will, at its option, either repair or replace the defective purchased part and return it freight prepaid.

Warranty exclusions

1. Material supplied or workmanship performed by others in the process of installation
2. Damage resulting from improper installation.
3. Problems resulting from failure to operate the products in accordance with recommended instructions contained in product's owners manual.
4. Problems resulting from failure to maintain pool water chemistry in accordance with recommended levels.
5. Problems resulting from installing less than one *Aqua Rite®* or *Aqua Logic* unit per 40,000 gallons (25,000 gallons commercial/public pools) or one *Aqua Trol* unit per 18,000 gallons of pool water.
6. Problems resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, fire, flood, lightning, freezing, external water, war, or acts of God.

The express warranty above constitutes the entire warranty of Goldline Controls, Inc with respect to the *Aqua Rite*, *Aqua Logic*, and *Aqua Trol* products and IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL GOLDLINE CONTROLS, INC. BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER.

No wholesaler, agent, dealer, contractor, or other person is authorized to give any warranty on behalf of Goldline Controls, Inc. This warranty is void if the product has been altered in any way after leaving the factory.

FCC Statement

(Compliance Statement, Part 15.19): 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.

WARNING (Part 15.21): Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada Statement

The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

Interference

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, then 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 the receiver
- Connect the equipment into a power source on different circuit than the receiver.