

## Li Ion Battery Disposal

At the end of the batteries' useful life, they must be recycled or disposed of properly. Contact your local county, or state hazardous waste management authorities for information on recycling or disposal programs in your area.

## 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.

## Questions?

Refer to **www.goldlinecontrols.com** for latest manual revisions, additional information and helpful service.

Or, you may visit your local Authorized Goldline Dealer or call 888-921-POOL (7665) for assistance.

# Aqua Pod Handheld Remote Control

for

**AQUA LOGIC**  
Automation and Chlorination



## Operation Manual

## Compatibility

This Aqua Pod handheld remote control is compatible with all Aqua Logic controls operating with software revision r2.60 or higher and using an AQL2-BASE-RF base station operating with software revision r3.00 or higher. Note that the Aqua Pod will NOT communicate with the AQL-BASE-RF base station. To verify the software level of your Aqua Logic control and base station, 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 2.60 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 Goldline Technical Service Dept. from Monday through Friday, 8AM to 8PM Eastern at 888-921-7665 for information on upgrades.

## Installation

### Installation

The Aqua Pod uses a rechargeable built-in battery pack which will require an initial charge when you first receive the unit. Charge the Aqua Pod for at least 5 hours before attempting to use it without the charger. Note that the Aqua Pod can be used normally while connected to the charger. Installation of the Aqua Pod requires that you follow the steps below.

- Batteries are installed at the factory:** Do not attempt to open the Aqua Pod.
- Base Station required:** For operation of the Aqua Pod, the Aqua Logic control must have a base station (AQL2-BASE-RF) installed. The receiver allows the Aqua Logic control unit to communicate with the Aqua Pod remote.
- Teach the unique Aqua Logic ID code:** The base station attached to the Aqua Logic control 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 Aqua Pod remote unit:

Settings  
Menu

- On any Aqua Logic display/keypad unit press the "Menu" button (possibly multiple times) until "Settings Menu" is displayed.

Teach Wireless:  
+ to start

- Press "<" or ">" (again, possibly multiple times) until "Teach Wireless" is displayed.
- Press the "+" button to start the teaching process.

Press and hold  
wireless button

- Press and hold any button on the Aqua Pod remote for 4 seconds. The Aqua Logic display should say "Teach Wireless, Successful".

Teach Wireless:  
Successful

- Installation is complete:** you can now use the Aqua Pod remote.

### Limited Warranty—Pool Automation & Chlorination Products

**10/1/2004**

This warranty statement is applicable to all pool automation and chlorination products manufactured by Goldline Controls, Inc. (Goldline) **on or after October 1, 2004.** See the appropriate warranty statement for other Goldline products or for pool automation and chlorination products produced prior to October 1, 2004.

#### Aqua Rite/Trol/Logic—Residential pools in USA or Canada:

Goldline warrants Aqua Rite, Aqua Trol, and Aqua Logic products (products with Goldline part numbers starting with AQ-RITE-, AQ-TROL-, AQ-LOGIC-, AQL-P-, AQL-PS-, or AQL-CL-) installed on private, residential swimming pools within the USA or Canada to be free from defects in material or workmanship, under normal use and service for **five years** from date of the initial system installation, provided it is installed in accordance with the Goldline installation instructions and specifications provided with the product. If written proof of the date of the initial system installation is not provided to Goldline, the manufacturing datecode on the Aqua Rite, Aqua Trol, or Aqua Logic 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 and returned freight prepaid within three (3) years after the date of the initial system installation, Goldline Controls will, at its option, either repair or replace the defective product and return it freight prepaid. If the defective product is returned freight prepaid to Goldline more than three (3) years but within five (5) years of the date of the initial system installation, Goldline, at its option, will either repair or replace the defective product and will charge sixty percent (60%) of the current list price for such repairs or replacements, plus shipping charges. The costs incurred in removal and/or reinstallation of the product are NOT covered under this warranty.

#### Aqua Rite/Trol/Logic-- Commercial pools or any pool outside of the USA or Canada:

Goldline warrants Aqua Rite, Aqua Trol, and Aqua Logic products (products with Goldline part numbers starting with AQ-RITE-, AQ-TROL-, AQ-LOGIC-, AQL-P-, AQL-PS-, or AQL-CL-) installed on commercial pools anywhere or any non-private single family residential pool or any pool outside of the USA or Canada to be free from defects in material or workmanship, under normal use and service for **one year** from date of the initial system installation, provided it is installed in accordance with the Goldline installation instructions and specifications provided with the product. If written proof of the date of the initial system installation is not provided to Goldline, the manufacturing datecode on the Aqua Rite, Aqua Trol, or Aqua Logic 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 and returned freight prepaid within one (1) year after the date of the initial system installation, Goldline will, at its option, either repair or replace the defective product and return it freight prepaid. The costs incurred in removal and/or reinstallation of the product are NOT covered under this warranty.

#### Accessory Products and Replacement parts—any pools, anywhere:

Goldline warrants any replacement parts or accessory products (any pool automation or chlorination product or part with a part number other than AQ-RITE-, AQ-TROL-, AQ-LOGIC-, AQL-P-, AQL-PS-, or AQL-CL-) to be free from defects in material or workmanship, under normal use and service for **one year** from date of the initial system installation, provided it is installed in accordance with the Goldline installation instructions and specifications provided with the product. If written proof of the date of the initial system installation is not provided to Goldline, the manufacturing datecode on the product or part 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 and returned freight prepaid within one (1) year after the date of the initial system installation, Goldline will, at its option, either repair or replace the defective product and return it freight prepaid. The costs incurred in removal and/or reinstallation of the product are NOT covered under this warranty.

#### Warranty exclusions:

- Material supplied or workmanship performed by others in the process of installation
- Damage resulting from improper installation including installation on pools larger than the product rating.
- Problems resulting from failure to operate the products in accordance with recommended instructions contained in product's owners manual.
- Problems resulting from failure to maintain pool water chemistry in accordance with recommended levels.
- Problems resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, fire, flood, lightning, freezing, external water, war, or acts of God.

THE EXPRESS LIMITED WARRANTY ABOVE CONSTITUTES THE ENTIRE WARRANTY OF GOLDLINE CONTROLS, INC. 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. IN NO EVENT SHALL GOLDLINE CONTROLS, INC. BE RESPONSIBLE FOR ANY CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER.

NO WHOLESALE, 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.

8.

Teach Wireless Fail.  
Please try again.

This is usually caused by a button being held down for more than 3 seconds, falsely triggering the Teach Wireless mode. It can also be displayed if the Aqua Logic is not in the Teach Wireless mode. If the Aqua Logic is in Teach Wireless, then the radio signal may be too weak—try moving closer to the Aqua Logic main control unit base station.

9.

Display Error 4  
call 888-921-7665

An internal problem has occurred in the Aqua Pod. Call the Goldline Tech support department (Monday through Friday, from 8AM to 8PM eastern time) to find out how to obtain a replacement wireless remote display/keypad.

## Charging the Aqua Pod

Plug the included charging stand into a standard 120VAC wall outlet, away from the pool area. It is not recommended that you use an extension cord with this product near the pool. Slide the Aqua Pod into the charging stand and charge for at least 4-5 hours before attempting to operate remotely. Note that the Aqua Pod can be used while in the stand no matter what state the battery is in. A fully charged battery will provide over 400 one-minute uses under typical conditions.

### About battery power:

When the Aqua Pod is not in the charging stand, the unit uses battery power and will take steps to extend battery life. After one minute of no button presses by the user, the unit will show a brief display and will go into "sleep" mode. The Aqua Pod will wake up after any button (except "System Off") is pressed. The button press will not perform any function except waking the unit. Once awake, any subsequent button presses will perform their normal functions. The "System Off" button works normally even while the Aqua Pod is in "sleep" mode.

When the Aqua Pod is in the charging stand, the unit uses wall power while it also charges the batteries. It will always be "awake", as long as it's sitting in the charger.

Note that the batteries will slowly lose charge if the unit is not plugged into charging stand even if it is not used. The batteries will need to be charged every 1 -2 months, depending on usage.

The Aqua Pod will display a series of information about its status and the status of the battery. Refer to the "Operating Status" section of this manual for an explanation of each of these displays.

NOTE: The built-in Lithium Ion battery pack is not replaceable and should offer at least 5 years of service.

## Range and Location

The Aqua Pod is battery operated and portable. Its unique weathertight housing and floating design allows it to be used outdoors, even while inside the pool or spa.

The Aqua Pod must be used within 200 ft. (assuming the signal will have to travel through walls) or 400 ft. (line of sight) from the Base Station which is typically mounted on the Aqua Logic main control unit at the pool equipment pad. Note that the AQL2-BASE-RF Base Station can also be mounted up to 300 ft. away from the Aqua Logic control unit to shorten the distance between it and any wireless remote. See the "Remote Mounting of the Base Station" section of the Base Station manual for more details.

The wireless remote display/keypad communicates with the base station on the Aqua Logic control unit using 900 MHz RF (hopping radio frequency) technology. All of the display information is transmitted from the Aqua Logic control unit to the wireless remote display/keypad and all the button press information is transmitted by the wireless remote display/keypad unit back to the Aqua Logic control unit.

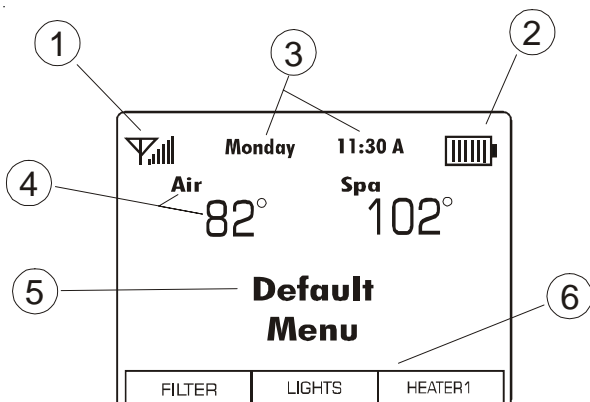
If the display information is not being updated on a regular basis or if the Aqua Logic is not responding to buttons being pressed, then refer to the Troubleshooting section for assistance in resolving these problems.

# Operation

The Aqua Pod handheld control gives the user the power to program all the operating parameters of the Aqua Logic control system remotely as well as viewing equipment status and temperatures. The following information discusses the Aqua Pod's display and pushbuttons.

## Aqua Pod Display

Refer to the diagram and corresponding information below.



### 1. Signal Strength

The Signal Strength icon shows the status of the radio connection between the Aqua Pod and the AQL2-RF-BASE base station. The more bars that are shown on the icon, the better the strength of the connection. Signal strength will decrease as the Aqua Pod is moved further away from the AQL2-RF-BASE or if obstructions such as walls, fences, etc. are located between the Aqua Pod and AQL2-RF-BASE.

### 2. Battery Status

The Battery icon indicates the status of the Aqua Pod's battery. The more bars that are shown on the icon, the higher the battery charge. Charge the Aqua Pod when the battery status is low or when the bars disappear. During charging, the battery bars will move from left to right.

### 3. Date/Time and Check System error

Normally, the date and time is shown in this location on the display. The date and time are sent from the Aqua Logic automatically. Note that all timers will refer to this information for starting and stopping timed events. If this information is not accurate, pool/spa equipment may not run properly.

When an error occurs that requires someone to check the system, "Check System" will be shown in this location on the display. Refer to the Aqua Logic manual for Troubleshooting.

### 4. Pool, Spa and Air Temperatures

This location of the display will show the pool, spa and/or air temperatures depending on how the system is configured.

# TROUBLESHOOTING

1. **Can't find the "Teach Wireless" display:** From the Aqua Logic control (or any direct wired display/keypad) 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 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 any message on the display of the remote. 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 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 station and the remote is too great—try moving the remote closer to the receiver.

### 4. Wireless display/keypad not functioning (no display):

If the display/keypad located on the main unit is working correctly, check that there is battery power to the Aqua Pod. Plug the charging stand into an active 120VAC outlet and insert the Aqua Pod. The display should activate and Aqua Pod should function normally.

5. The last keypress was not received

This is usually a temporary problem caused by interference from other equipment that is using the same radio frequency. Try pressing the button again.

6. The base receiver is not responding

If this is the first time you are using your remote, or if you have just installed a new base station, run the "Teach Wireless" procedure from any other Aqua Logic display/keypad. Also, the radio signal may be too weak—try pointing the remote in the direction of the pool equipment or try moving closer to the pool equipment.

7. Teach Wireless needs to be run

This is caused by the remote not knowing the ID code of the base station. Run the "Teach Wireless" procedure from any other direct wired Aqua Logic display/keypad.

Please plug in to  
charge battery

When the batteries are low (as shown on the battery indicator) the Aqua Pod will alternate between this display and the normal status display. Under typical conditions, there are at least 50 more one-minute uses available when this display is first shown. The batteries will slowly lose charge if the unit is not put into the charging stand.

Batteries dead!  
Please charge now!

This display is shown briefly, immediately before the unit shuts down. The Aqua Pod will not operate again (to protect the batteries) until it is inserted into the base charger.

## 5. Menu

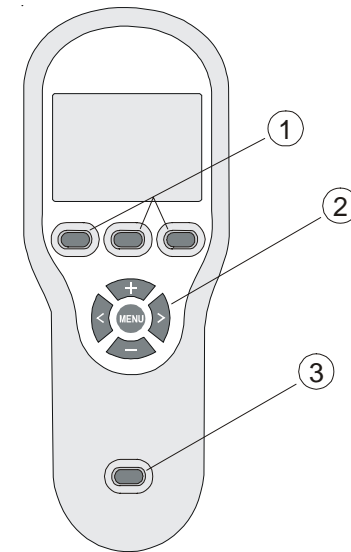
This location on the Aqua Pod's display is used for the direct communication to the Aqua Logic control system. Access to the Aqua Logic menus and submenus are displayed here. This information "mimics" the Aqua Logic's local display, as well as any other remote control connected to the system. Any programming changes made from the Aqua Pod, Aqua Logic or any remote in the system will be displayed here. When no changes have been made from any location for more than 2 minutes, the Aqua Pod will scroll through each display of the Aqua Logic's default menu. Refer to the Aqua Logic Installation and Operation manuals for more information.

## 6. Softkeys

The Aqua Pod allows for easy On/Off/Auto control of your pool equipment, regardless of how they have been previously programmed. Using the Aqua Pod's softkey pushbuttons, any of your pool's equipment shown in this location of the display can be turned On/Off or returned to automatic operation.

## Aqua Pod Pushbuttons

Refer to the diagram and corresponding information below.



### 1. SoftKey Pushbuttons

Three softkey pushbuttons are provided to allow the user to conveniently turn on or off pool equipment that has been previously designated in the Map Softkeys menu. Refer to Mapping Softkeys section on page 6 for information on how to assign specific pool equipment to each softkey.

### 2. Aqua Logic Programming Pushbuttons

These keys are used for programming and communicating with the Aqua Logic. They operate in the same manner as the Aqua Logic's local keypad buttons. Refer to the Aqua Logic Installation and Operation manual for detailed information on the use of these buttons.

### 3. System Off




Pressing this button will turn all Aqua Logic outputs off. They will remain off regardless of any programmed control logic until the System Off button is pushed again (on this or any other remote control) or the "SERVICE" button is pressed on the Aqua Logic's local display/keypad.



## Aqua Pod Operation



The Aqua Pod will control and program the Aqua Logic in the same manner as the local keypad/display. Complete instructions on how to program and view/change settings are available in the Aqua Logic Installation and Operation manuals. Use the Aqua Pod's programming buttons for these commands.



Two menus shown below are available for the Aqua Pod that are not shown in the Aqua Logic menus. These menus are directly accessible by repeatedly pushing the Aqua Pod's MENU button. Refer to these menus and the information on page 6 to map and operate softkeys.

**Select softkeys**  Press repeatedly until "Select Softkeys" menu is displayed  
  Scrolls through available Softkey Sets

### Select Softkey Set

Use the "<" and ">" keys to scroll through all Softkey Sets. A Softkey Set is a group of three pieces of pool equipment that can be controlled by the three softkey pushbuttons. The Softkey Sets are displayed in the Softkeys portion of the Aqua Pod's display. Each softkey pushbutton controls the equipment that is displayed directly above it. You can define and make changes to Softkey Sets in the "Map Softkeys" menu.

**Map softkeys locked**  Press repeatedly until "Map Softkeys" menu is displayed  
 Press BOTH buttons SIMULTANEOUSLY for 5 seconds to unlock

**Map softkeys unlocked**  Toggles between all available pool equipment  
 Scrolls to previous/next selection

### Map Softkeys

Push the "<" and ">" for 5 seconds to unlock. After entering this menu, one of the displayed softkeys will be flashing. The flashing selection can be changed by pressing the "+" or "-" keys. When the desired selection is displayed, press the "<" or ">" keys to advance to the previous/next softkey. Create all desired softkey sets using this procedure.

You can SAVE, CANCEL or RESET at any time within the Map Softkeys menu by pressing the corresponding softkey pushbutton below.

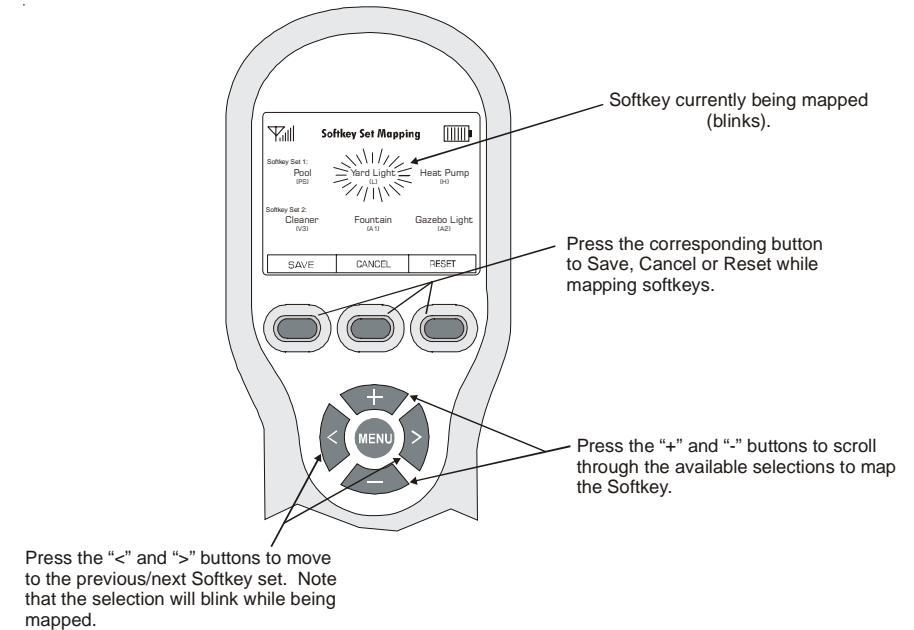
**SAVE** - This selection will save all changes that have been made to the softkey sets since entering the menu.

**CANCEL** - This selection will cancel all changes that have been made since entering the Map Softkeys menu and revert back to the previously saved selections.

**RESET** - This selection will revert the Softkey Sets to the original factory settings. All saved selections will be lost.

## Mapping Softkeys

After entering the Map Softkeys menu, refer to the diagram below for mapping information. After exiting the Map Softkeys menu, the Aqua Pod will return to normal operation.



## Operating Status

Because the Aqua Pod is battery operated, it displays various information about its condition and the status of its batteries. Refer to the section below for an explanation of these displays:

**Shutting down to save battery power**

After one minute of no button presses, the Aqua Pod will briefly show this display and go into "sleep" mode. This mode conserves the battery power while the remote is not in use. While asleep, the display will be off. To "wake" the unit up, push any button on the keypad.

**Refreshing display**

When the Aqua Pod "wakes", it will show this display while it collects status information from the Aqua Logic control unit.