



Wireless Handheld Remote Control

Handheld Remote Terminal for ProLogic, AquaLogic, AquaPlus and OnCommand Pool Controls

Owner's Manual



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AQL2-POD2

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IMPORTANT SAFETY INSTRUCTIONS

When using this electrical equipment, basic safety precautions should always be followed, including the following:

- **READ AND FOLLOW ALL INSTRUCTIONS**
- **Warning - To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.**
- **Dry AquaPod 2.0 unit before charging.**
- **Do not allow charging base to come in contact with water.**
- **SAVE THESE INSTRUCTIONS**

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 Hayward 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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Description

The AQL2-POD2 (AquaPod 2.0) is a wireless remote touchscreen terminal for Hayward ProLogic, AquaLogic, AquaPlus and OnCommand pool automation controls. The AquaPod 2.0 is wireless and portable. Its unique weathertight housing and floating design allows it to be used outdoors, even while inside the pool or spa.

Compatibility

This AquaPod 2.0 is compatible with the following pool controls and base stations:

- All OnCommand pool controls
- ProLogic pool controls using an AQL2-BASE-RF base station operating with software revision r3.00 or higher
- AquaLogic pool 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
- AquaPlus pool 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 AquaPod 2.0 will NOT communicate with the older 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).

Installation

Installation

The AquaPod 2.0 uses a rechargeable built-in battery pack which will require an initial charge when you first receive the unit. Charge the AquaPod 2.0 for at least 5 hours before attempting to use it without the charger. Note that the AquaPod 2.0 can be used while connected to the charger. Installation of the AquaPod 2.0 requires that you follow the steps below.

1. Battery is installed at the factory: Do not attempt to open the AquaPod 2.0.
2. Base Station required: The AquaPod 2.0 requires that the pool control have a base station (AQL2-BASE-RF) installed. The base station allows the pool control to communicate with the AquaPod 2.0 remote.
3. Teach the unique ID code: The base station attached to the control has a unique ID code that ensures that your unit will not affect other systems in the neighborhood, and likewise, their remote controls will not affect your system. To teach the ID code to the AquaPod 2.0 remote unit, go to the local display on the pool control and perform the following steps:



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Settings
Menu

Teach Wireless:
+ to start

Press and hold
Wireless button

Teach Wireless:
Successful

- a. On the pool control local display/keypad, press the "Menu" button (possibly multiple times) until "Settings Menu" is displayed.
- b. Press "<" or ">" (again, possibly multiple times) until "Teach Wireless" is displayed.
- c. Press the "+" button to start the teaching process.
- d. Touch and hold the MENU button on the AquaPod 2.0 for 4 seconds. The pool control display should say "Teach Wireless: Successful".

4. Installation is complete. You can now use the AquaPod 2.0 remote control.

Charging the AquaPod 2.0

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. Charge the AquaPod 2.0 at temperatures between 32°F and 113°F (0° - 45°C). The AquaPod 2.0 can be used while in the stand no matter what state the battery is in. A fully charged battery will provide about 300 one-minute uses under typical conditions.

About battery power

When the AquaPod 2.0 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 briefly display "Shutdown in 10 sec, touch to keep on". If no button is pressed within that time, it will then display "Shutting down to save battery power" and will go into "sleep" mode. Upon awaking, there is a 3 second delay before button presses will perform their normal function.

When the AquaPod 2.0 is in the charging stand, the unit uses wall power while it also charges the battery. It will always be "awake", as long as it's sitting in the charger. A "Sleep" button will appear while in the charging stand (models using firmware version 1.04 or later) which can be used to turn off the display screen and manually put the AquaPod 2.0 into "sleep" mode.

Note that the battery will slowly lose charge if the unit is not plugged into charging stand even if it is not used. The battery should be charged every 4-5 days, depending on usage.

The AquaPod 2.0 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 AquaPod 2.0 is not serviceable and should not be disassembled. The built-in Lithium Ion battery pack is not replaceable and should offer at least 5 years of service.



Range and Location

The AquaPod 2.0 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 pool control unit at the pool equipment pad. Note that the AQL2-BASE-RF Base Station can also be mounted up to 500 ft. away from the pool control 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.

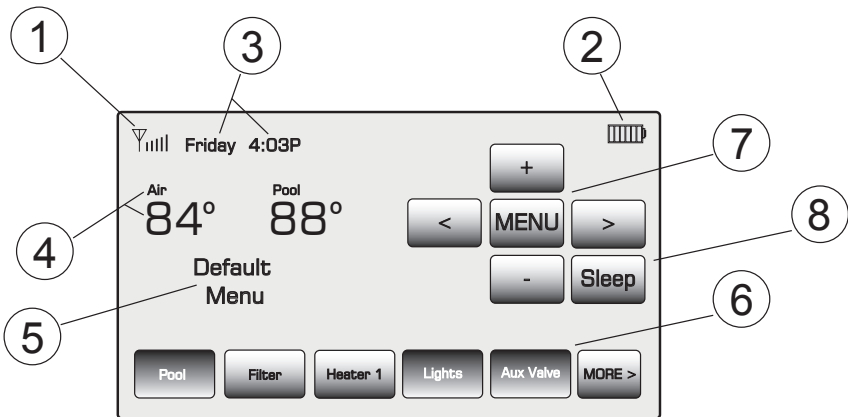
The AquaPod 2.0 communicates with the base station on the pool control unit using 900 MHz RF (frequency hopping spread spectrum) technology.

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

Operation

The AquaPod 2.0 remote control offers users the power to program all the operating parameters of the pool control system remotely as well as viewing equipment status and temperatures. The following information discusses the AquaPod 2.0's display and pushbuttons.

AquaPod 2.0 Display



1. Signal Strength

The number of bars shown next to the antenna icon indicate the signal strength of the connection between the AquaPod 2.0 and the AQL2-BASE-RF base station. If no bars are displayed, the signal strength is too low for communication. Note that signal strength will decrease as the AquaPod 2.0 is moved further away from the AQL2-BASE-RF or if obstructions such as walls, fences, etc. are located between the AquaPod 2.0 and AQL2-BASE-RF.



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2. Battery Status & Charging Indicator

The Charging Indicator will display when the AquaPod 2.0's battery is charging. This occurs when the AquaPod 2.0 is sitting in the charging stand and the stand is plugged into the wall. During charging, the battery bars will move from left to right. When the battery is fully charged, the Charging Indicator will stop moving and show all bars. Note that when the battery charge is low, the message "Please plug in to charge battery" will appear every few seconds. If the battery charge gets too low to continue powering the AquaPod 2.0, the display will show "Battery dead! Please charge now". When removed from wall power, the indicator will show the amount of battery charge remaining.

3. Day/Time, System Off and Check System error

Normally, the day of the week and time is shown in this location on the display. The day and time are sent from the pool control 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 the pool control is in System Off mode, "System Off" will blink in this location on the display. If an error occurs that requires someone to check the system, "Check System" will blink in this location on the display.

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. Both Pool and Spa will only display when the control is in dual equipment mode and both pumps are running. "---" is displayed in place of the Pool or Spa temperature if the filter pump is off. "Err" is displayed when a temperature sensor or its wiring is open or shorted.

5. Menu Display

This location on the AquaPod 2.0's display is used for the direct communication to the pool control system. Access to the menus and submenus are displayed here. This information follows the pool control local display, as well as any other remote control connected to the system. Any programming changes made from the AquaPod 2.0, pool control 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 AquaPod 2.0 will scroll through each display of the pool control's Default menu. Refer to the pool control Installation and Operation manuals for more information.

6. Equipment On/Off/Auto Buttons

The AquaPod 2.0 allows for easy On/Off/Auto control of your pool equipment. Any of the pool equipment shown in this location of the display can be turned On/Off or returned to automatic operation. When equipment is on, the equipment name will be displayed behind a solid backfill (see diagram on page 4). When the output is off, the name will be displayed with no backfill. A blinking backfill shows that the system is in low-speed or cooldown mode.

Depending on your pool control and its configuration, the number of control buttons will vary. If applicable, press the "More" button on the far right to access an additional page of control buttons including System Off. The "Back" button can be used to return to the previous page.

7. Pool Control Programming Buttons

These keys are used for programming and sending commands to the pool control. They operate in the same manner as the pool control's local keypad buttons. Refer to your control's Installation and Operation manual for detailed information on the use of these buttons.



8. Sleep (firmware versions 1.04 or later)

This button will only appear while in the charging stand. To turn off the AquaPod 2.0 display screen while charging, press the "Sleep" button.

AquaPod 2.0 Operation

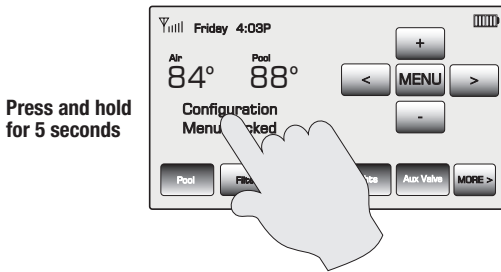
AquaPod 2.0 Screen Brightness

The "+" and "-" buttons are used to increase and decrease screen brightness. To change screen brightness at any menu, perform the following:

- Press and hold "+" key for 1.5 seconds - screen brightness starts to increase
- Press and hold "-" key for 1.5 seconds - screen brightness starts to decrease

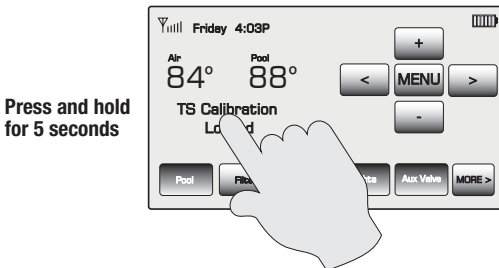
Unlock Configuration Menu

To unlock the Configuration Menu, repeatedly press the Menu button until "Configuration Menu" is shown in the Menu Display. Press and hold the Menu Display for 5 seconds. Refer to your pool control's manual to determine what options are offered within the Configuration Menu.



Calibration Screen

The AquaPod 2.0 touchscreen comes calibrated from the factory and should function properly at installation. If the screen does not respond accurately to touch, you can try resetting the calibration to factory settings or manually calibrate the screen. These options will be shown when you unlock the Touch Screen (TS) Calibration Menu. To unlock the TS Calibration screen, repeatedly press the Menu button until "TS Calibration" is shown in the Menu Display. Press and hold the Menu Display for 5 seconds.



The TS Calibration menu will offer the following three options:

Start: Select Start to begin calibration. Follow screen prompts until finished.

Cancel: Select Cancel to exit the calibration screen.

Reset: Select Reset to delete previous calibration settings.

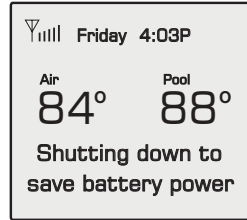


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Operating Status

Because the AquaPod 2.0 is battery operated, it displays various information about its condition and the status of its battery. Refer to the section below for an explanation of these displays.

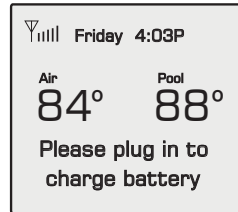
When not in the charging stand, the AquaPod 2.0 will briefly show the adjacent display and go into "Sleep" mode after one minute if no buttons are pressed. This mode conserves the battery power while the remote is not in use. While asleep, the display will be off. To "wake" the unit up, touch the AquaPod 2.0's screen.



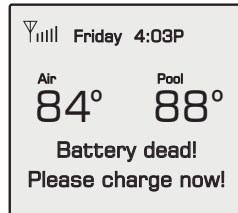
When the AquaPod 2.0 "wakes", it will show this display while it collects status information from the pool control.



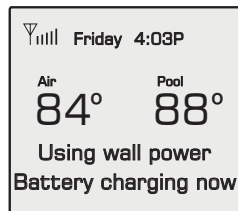
When the battery is low, the AquaPod 2.0 will alternate between this display and the normal status display. Under typical conditions, there are at least 10 more one-minute uses available when this display is first shown. The battery will slowly lose charge if the unit is not put into the charging stand.



This display is shown briefly, immediately before the unit shuts down. The AquaPod 2.0 will not operate again (to protect the battery) until it is inserted into the base charger.



This display is shown briefly when the AquaPod 2.0 is first placed in its charging stand.





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Troubleshooting

1. Can't find the "Teach Wireless" display

From the pool 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 pool 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 Hayward Technical Service for assistance.

2. "Teach Wireless" failed

The AquaPod 2.0 can only be used with the AQL2-BASE-RF base station. Be certain that the proper base station is being used. When teaching, be certain that the pool control shows "press and hold wireless button" and that the AquaPod 2.0 is close to the base station and has power. 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.

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.

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 AquaPod 2.0. Plug the charging stand into an active 120VAC outlet and insert the AquaPod 2.0. The display should activate and AquaPod 2.0 should function normally.

5. Display reads "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. Display reads "The base station 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 the pool control's local display/keypad or any other wired remote control. 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. Display reads "Need Teach Wireless (use MENU key)"

Run the "Teach Wireless" procedure directly from the pool control or any other remote control that is directly wired to the pool control (page 2-3).

8. Display reads "Teach mode looking for base station"

This is usually caused by a button being held down for more than 4 seconds, falsely triggering the Teach Wireless mode. It can also be displayed if the pool control is not in the Teach Wireless mode. If the pool control is in Teach Wireless, then the radio signal may be too weak—try moving closer to the main control unit's base station.



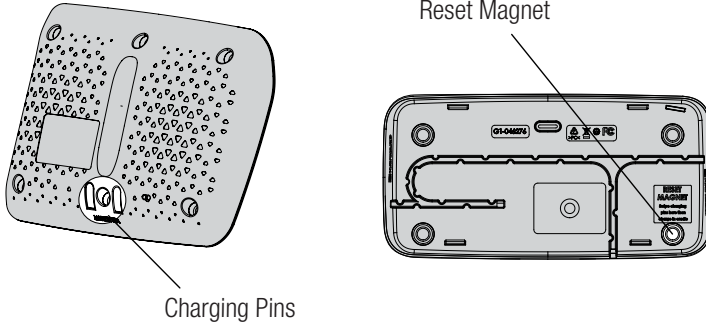
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9. Display reads "Display Error x call 888-921-7665"

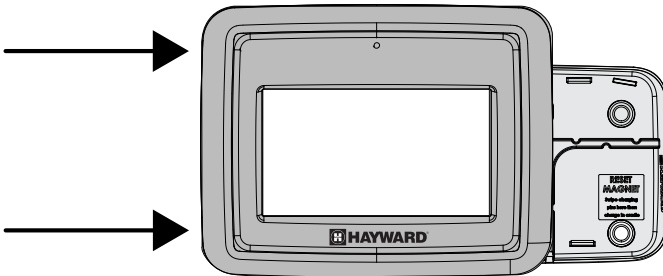
An internal problem has occurred in the AquaPod 2.0. Call the Hayward Technical Support department (Monday through Friday, from 8AM to 8PM eastern time) to find out how to obtain a replacement wireless remote display/keypad.

10. AquaPod 2.0 stops communicating with base station

Perform a soft reboot. To reboot, locate the charging pins on the handheld unit and the reset magnet on the underside of the charging cradle.



Swipe the charging pins across the reset magnet as shown below. Note that you MUST swipe from left to right and the AquaPod 2.0 will shut down. When shut down, there is no battery drain and the unit can be stored or shipped. To reboot, place the AquaPod 2.0 into the charging cradle. Note that the AquaPod 2.0 can sometimes shut down if it is subjected to a sudden shock or drop. Placing it back in the charging cradle will restart the unit.



11. Blank screen or erroneous display after "wake up"

If the AquaPod 2.0's screen is blank or displays the wrong information after "wake" up, press the MENU button. This will refresh the display and should correct the problem.

12. "Refreshing Display" continuously displayed

If the pool control's power is off, the AquaPod 2.0 will display this message. In this case, returning power to the pool control or "reteaching" (page 2-3) the AquaPod 2.0 will correct the problem.



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13. Interference with 900MHz devices (baby monitors, video monitors, etc.)

To determine if there is a problem, be certain that the interference stops when the pool control power is turned off. If so, try different channels on the affected device. Also, try changing the AQL2-BASE-RF base station's wireless channel (see manual). Note that some interference may not be able to be resolved.

14. Frequent "last keypress was not received" messages

This message may be due to interference with other 900MHz devices or because the AquaPod 2.0 is being used outside of the usable range. Follow step 13 above to determine if there is an interference problem. If the AquaPod 2.0 is too far from the base station, consider locating the base station closer by using the Remote Mount Kit.

LIMITED WARRANTY (effective 03/01/12) Hayward warrants its ProLogic, OnCommand and E-Command pool automation products as well as its AquaRite, AquaRite Pro, AquaPlus and SwimPure chlorination products to be free of defects in materials and workmanship, under normal use and service, for a period of three (3) years. Hayward also warrants its Aqua Trol chlorination products to be free of defects in materials and workmanship, under normal use and service for a period of one (1) year. These warranties are applicable from the initial date of purchase on private residential swimming pools in the US and Canada. Installations of product for use on commercial pools in the US and Canada is covered for a period of one (1) year for defects in materials and workmanship. Hayward warrants all accessories and replacement parts for the above-identified pool automation and chlorination products for a period of one (1) year. Accessories also include remotes, actuators, base stations, temperature sensors, flow switches and chemistry probes. Each of these warranties is not transferable and applies only to the original owner.

Hayward shall not be responsible for cartage, removal, repair or installation labor or any other such costs incurred in obtaining warranty replacements or repair.

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 Hayward authorized warranty service center. For more information on authorized service centers please contact the Hayward Technical Service Support Center (61 Whitecap Road, North Kingstown RI, 02852) or visit the Hayward web site at www.hayward.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.
6. Use of a non-genuine Hayward replacement salt chlorination cell on any Hayward automation or chlorination product will void the warranty for that product.

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