1011736 RevB

HAYWARD®

AQR S3 Omni® Series

Pool Chlorinator and Automation Control

Operation Manual



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AQRS3400MNI
AQRS3250MNI

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Phone: (908) 355-7995
www.hayward.com

IMPORTANT SAFETY INSTRUCTIONS

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

READ AND FOLLOW ALL INSTRUCTIONS

- ⚠ **WARNING:** Disconnect all AC power during installation.
- ⚠ **WARNING:** Water in excess of 100 degrees Fahrenheit may be hazardous to your health.
- ⚠ **WARNING:** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
- ⚠ **WARNING:** Do not use the AQR S3 Omni to control fire pits or related equipment.
- A green colored terminal marked "Grounding" is located inside the wiring compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying the equipment.
- One bonding lug for US models (two for Canadian models) is provided on the external surface. To reduce the risk of electric shock, connect the local common bonding grid in the area of the swimming pool, spa, or hot tub to these terminals with an insulated or bare copper conductor not smaller than 8 AWG US / 6 AWG Canada.
- All field installed metal components such as rails, ladders, drains, or other similar hardware within 3 meters of the pool, spa or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than 8 AWG US / 6 AWG Canada.

⚠WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours.**
- **KEEP** new and used batteries **OUT OF REACH or CHILDREN.**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- ⚠ **WARNING:** Even used batteries may cause death or serious injury.
- ⚠ **WARNING:** Call a local poison control center for treatment information.
- ⚠ **WARNING:** Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- ⚠ **WARNING:** This product contains non-rechargeable batteries. Do NOT force discharge, recharge, disassemble, heat above 85°C, or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.

- ⚠**WARNING:** This product contains non-replaceable batteries. Do NOT under any circumstances attempt to remove or replace the factory-installed battery.

- ⚠**WARNING:** Non-rechargeable batteries are not to be recharged.

NOTICE: This product contains a Panasonic BR1225 coin-type lithium battery.

NOTICE: The nominal voltage of the battery contained within this product is 3V.

Certified to CEC T20 FDAS Pool Control Requirements.

Certificate of Conformity

Product:	AQRS3 & AQRS3 Omni Series
CPSC Regulation:	Safety Standard for Button Cell or Coin Batteries and Consumer Products Containing Such Batteries Underwriters Laboratories UL 4200A-2023
Manufacturer:	Hayward Industries 1415 Vantage Park Drive, Suite 400, Charlotte, NC 28203 Technical Service Phone: (908) 355-7995
Manufacture Location:	Hayward Industries, 61 Whitecap Drive, N. Kingstown, RI 02852
Date Manufactured:	The serial number consists of 14 characters Example serial number: 1A23045-1045631 The 3rd - 4th digits are the year The 5th - 7th digits are the # day of year Example above is the 45th day of 2023
Test Report By:	Hayward Industries One Hayward Industrial Drive, Clemmons, NC 27012 Phone: (908) 355-7995 Test Report: March 2024

I hereby certify that the finished product(s) covered by this certificate comply with the rules, bans, standards, and regulations stated herein, and that the information in this certificate is true and accurate to the best of my knowledge, information, and belief. I understand and acknowledge that it is a United States federal crime to knowingly and willfully make any materially false, fictitious, or fraudulent statement, representation, or omission on this certificate.

Works only with a genuine S3 Series Hayward salt cell

Certified to NSF/ANSI Standard 50

Omni not evaluated by NSF

SAVE THESE INSTRUCTIONS

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Introduction

This manual assumes that the AQR S3 Omni has been installed and configured according to the Installation Manual and is using the latest firmware version available from Hayward. The AQR S3 Omni can now be programmed with user desired settings such as schedules, themes, and favorites. This manual will also explain how to manually turn pool equipment on/off, program settings for specific equipment, view pool equipment status and conditions, and more.

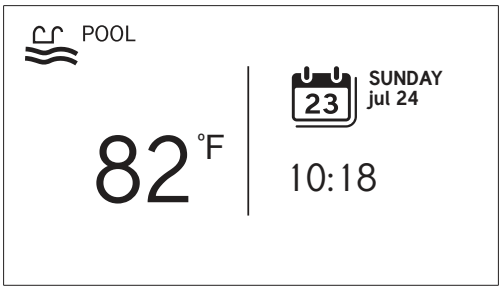
Now that the initial configuration has been completed, the AQR S3 Omni will automatically go to the Home Screen or Idle Screen. All settings and operation functions can be accessed from the Home Screen. Note that if the AQR S3 Omni Controller is not touched for more than two minutes, the Idle Screen will be displayed.

Using the AQR S3 Omni Controller

The AQR S3 Omni Controller is the main interface with the device. Once configured, the AQR S3 Omni can be controlled remotely using various Hayward remote terminals or, when connected to the home's network, by Internet enabled devices such as computers, tablets and phones. The AQR S3 Omni Controller must be used to access the Configuration Wizard. The Configuration Wizard is used for initial configuration (completed during the installation process) and for any changes to existing configuration.

Idle Screen

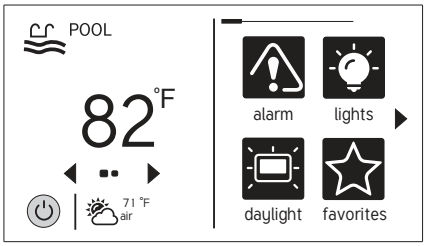
The AQR S3 Omni Controller will display the idle screen after two minutes of user inactivity. When the filter pump is on, the Idle Screen will display the current temperature of the Body of Water shown in the upper left corner. If the AQR S3 Omni is configured to control two Bodies of Water, the idle screen will toggle between both. On the right side of the screen, the air temperature will toggle with the date.



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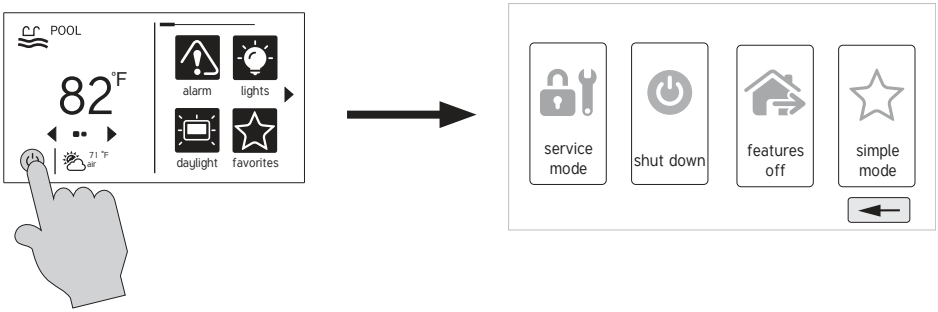
Home Screen

When the idle screen is touched, the AQR S3 Omni will display the Home Screen. This screen will give the user access to all functions, settings and configuration options.



Power Button

The power button is displayed at all times when the AQR S3 Omni is not idle. When touched, it offers the following 4 functions:



Shut Down - When Shut Down is selected, the AQR S3 Omni will turn off all pool equipment and report when it is safe to remove power. When this message is displayed, you can either power off the unit or restart the AQR S3 Omni by touching the large power button displayed on the left side of the screen.

Service Mode (page 31) - Service Mode will turn off all pool equipment and disable all remote controls including networked devices. Service Mode is useful to prevent scheduled operation and disable remote operation while servicing the pool. After selecting Service Mode, there are two options:

Service Mode (Standard): The AQR S3 Omni will remain in Service Mode until you manually exit. To exit Service Mode, touch the power button and select the Service Mode button again.

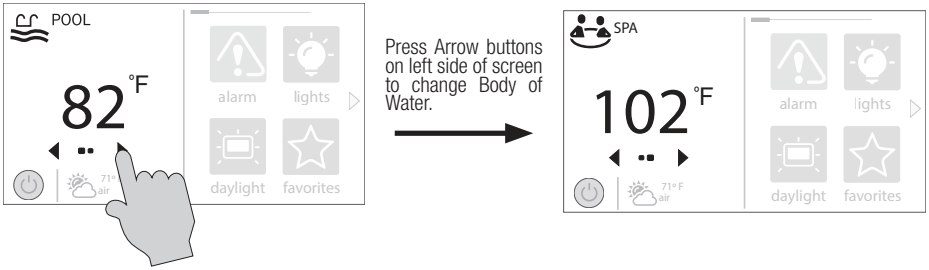
Service Mode Timed: Before entering Service Mode, you will select a Service Mode timeout. This is the amount of time that the AQR S3 Omni will stay in Service Mode before automatically exiting. The timeout can be set between 1-96 hours. There is no need to exit Service Mode manually.

Features Off - Features Off offers a quick way to turn off all equipment with a single touch of a button. Note that the filter pump, heater, lights and chlorination will continue to run if scheduled.

Simple Mode (page 36)- Simple Mode is a customizable screen that can be set up for quick access to your Favorites (page 21). You can set up only the Favorites that you want shown while in Simple Mode. Because it's customizable, Simple Mode can provide a convenient way to access the most common functions for owners as well as a handy solution to limit access to other users. For information on how to create and delete Simple Mode functions, refer to the "Favorites" section in this manual as well as page 36. The MSP ID number is needed when entering and exiting Simple Mode.

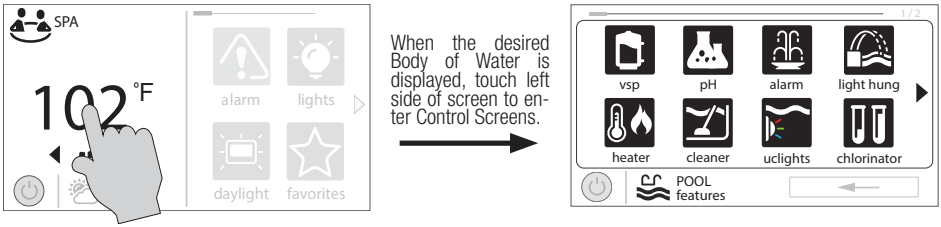
Selecting a Body of Water - Left Side of Home Screen

The left side of the Home Screen allows you to select and control a Body of Water. If more than one Body of Water is used (typically a pool and spa), pressing the left and right arrows in the middle of the screen will toggle between the Bodies of Water. If just a pool is configured, there will be no arrows shown.



Features Screen - Controlling a Body of Water

When the desired Body of Water is displayed, touch the left side of the screen to advance to the Body of Water Features Screens. The items shown on the Features Screen relate to that Body of Water ONLY. To control a different Body of Water, select the desired Body of Water at the Home Screen first, then go to the Features Screens.

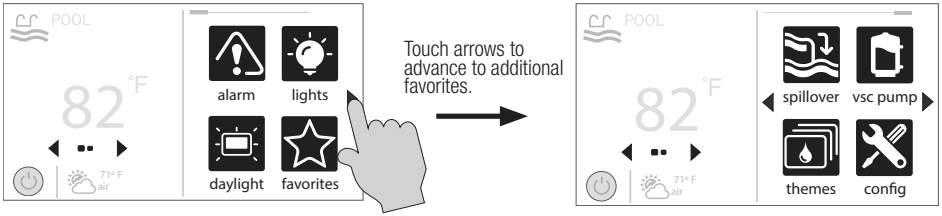


The various buttons shown in the Body of Water Features Screens are related to initial configuration. For example, if you configured a gas heater to heat the Spa Body of Water, the heater setting for the gas heater will be found in the Spa Features Screens.

Favorites - Right Side of Home Screen

The right side of the Home Screen is Favorites. These buttons offer universal control for Backyard equipment and all Bodies of Water regardless of which one is displayed. Up to four Favorite buttons will be shown on the home screen. To access more Favorites, touch the arrows to the left or right of the Favorite buttons.

Note that some default buttons will appear on the Favorites Screen. These buttons are related to your initial configuration settings and are automatically created. In addition, custom "Favorite" buttons can also be added. The AQR S3 Omni supports up to 50 Favorites for quick easy access to commonly used functions.



Navigation

The AQR S3 Omni has been designed to be intuitive allowing most users the ability to navigate with little instruction. Below, a list of commonly used buttons are explained. As you navigate through the various screens, these buttons will likely be displayed. Some sections of this manual may refer to buttons that are specific to certain types of pool equipment. You'll find more information about those buttons under their corresponding section. If your installation does not include that particular equipment, those sections can be skipped.

Save - Touch this button to save your selection.

Cancel - Touch this button to cancel your selection.

Advance - Touch this button to advance to the next screen.

Back - Touch this button to return to the previous screen.

Add - Touch this button to add an item.

Delete - Touch this button to delete a highlighted item.

Turn On or Enable - This button will either manually turn on pool equipment or enable a function.

Turn Off or Disable - This button will either manually turn off pool equipment or disable a function.

Schedule - Touch this button to schedule a function.

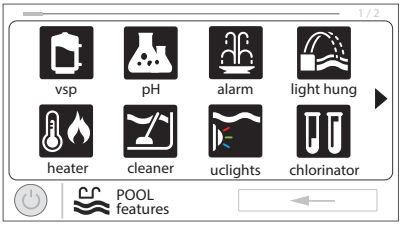
Countdown Timer - Touch this button to set a countdown timer.

Back - Touch this button to return to a previous screen.

Body of Water Features and Control Screens

As previously stated, the Body of Water Features Screens allow you to control functions and equipment for a particular Body of Water. Making a change will not affect other Bodies of Water. For example, if the Pool is being displayed when entering the Features Screens, only the pool will be affected by any changes or settings that you make. The contents of the Features Screen is a result of how the AQR S3 Omni was configured using the Configuration Wizard. If equipment is missing or does not belong in the Body of Water Features Screen, you may have to go back to the Configuration Wizard and correct the configuration of that equipment.

An example of a Features Screen is shown below. In this example, we are looking at the Pool (shown in lower left of screen). The arrow button on the right means that there are more Features Screens if we advance.



Depending on the equipment that has been configured in your system, your screens will likely be different. The purpose of this section is to explain how Features and Control Screens work as well as show some common equipment examples which will help familiarize you with the interface. Even though some of your equipment may be different, you should see similarities in the following examples that will help you create and change settings for all the equipment in your Features Screens.

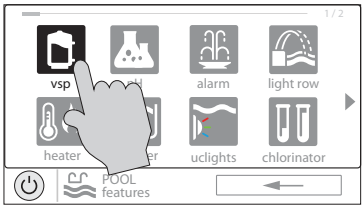
The following examples will be shown for the Pool only. All of the equipment shown in the Features Screens have been initially configured in the Configuration Wizard to operate with the Pool. You may have also configured the same type of equipment to operate with a different body of water. For example, you may have a heater for the pool and a second heater for the spa. The following information should help you understand how to control all of your equipment, regardless of which Body of Water is selected.

Control Screens

After an item has been selected in the Features Screen, you'll be brought to a Control Screen. Control Screens are where you will actually make changes to the pool's equipment settings. To change a setting, you'll first select the Body of Water, then select the feature you'd like to change in the Features Screen, then make your change in that feature's Control Screen.

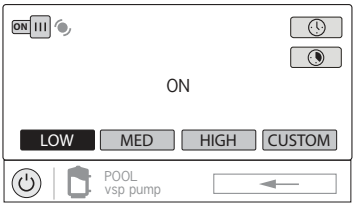
Filter Pump

In the example on page 9, a variable speed pump which was named "vsp" has been configured to be used with the Pool in the Configuration Wizard. Touching the "vsp" button in the Features Screen will bring you to a pump Control Screen which will let you manually turn on/off the pump, set a schedule, set a speed, apply a countdown timer and view the status. Single speed and two speed pumps will have a similar Control Screen.



Pool Features Screen

Touching the pump button brings you to the pump control screen.

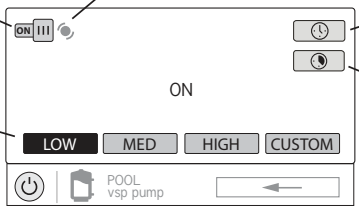


Pump Control Screen

Status of Equipment - This is an indicator only. When lit up and in motion (shown below), the equipment is active. When grayed out and stationary, equipment is off.

Turn On / Turn Off - Slide this switch manually to turn on/off the pump. This will override schedules or timer settings.

Set Schedule - Touch this button to add/delete a schedule for the filter pump or to enable/disable an existing schedule.

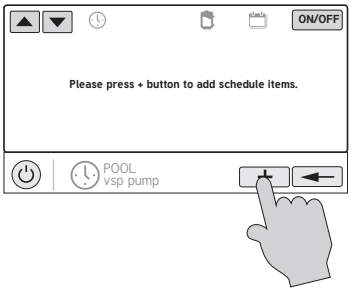


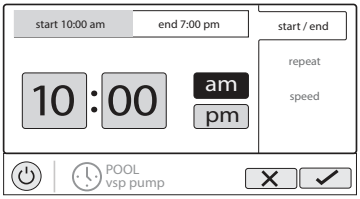
Change Speed- Manually select the desired speed. This will not be shown for single speed pumps. Low, Med, and High are fixed speeds. The Custom button will bring you to a screen that allows you to select a speed based on percentage or RPM (determined during configuration).

Countdown Timer - Touch this button to set a countdown timer for the filter pump.

Add a Schedule

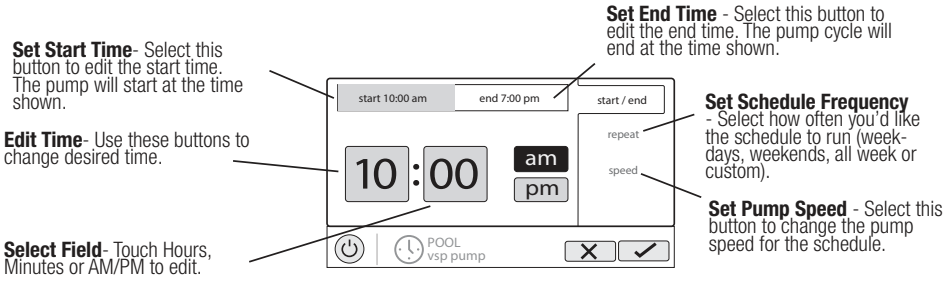
If the "Set Schedule" button is touched, you'll be brought to the pump schedule screen below. Here you can add, delete, edit, enable and disable schedules. Because there have been no schedules set up, the screen is blank. Touch the Add button (+) to add a schedule for the pool pump.





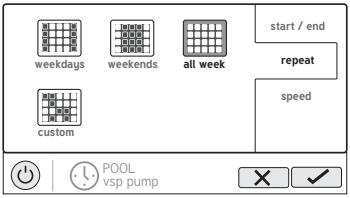
Set Schedule Time

Refer to the screen below to set the start and stop times. When finished, touch “repeat”.



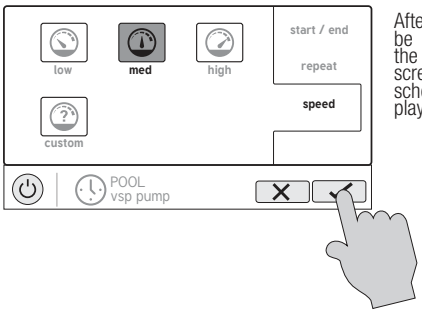
Set Schedule Frequency

Refer to the screen below to select how often you’d like the schedule to run. If “custom” is selected, you’ll be asked which day(s) of the week you would like the pump to run. Touch “speed” when finished.

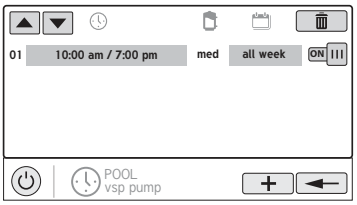


Set Pump Speed

Refer to the screen below to select the pump speed during the schedule. If custom is selected, you’ll be asked to set the % pump speed or RPM depending on the setting. When finished, touch the Save button to save the schedule.



After saving, you’ll be brought back to the pump schedule screen. The new schedule will be displayed.



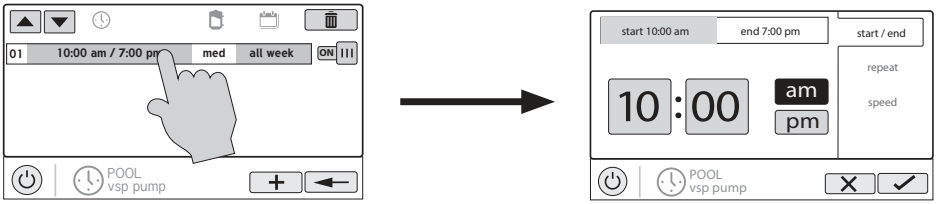
NOTE: If you intend to run the pump at different speeds throughout the day, create additional schedules. You can start a new schedule on the same minute that the previous one ends. If schedules

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overlap, the newest schedule's start time will take priority by ending the previous schedule early. You can create up to 20 schedules per device.

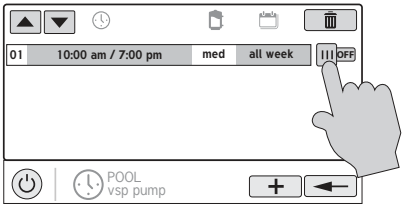
Edit a Schedule

To edit a schedule, touch the schedule as shown below. You'll be brought back to the screen which will allow you to set times, speed and frequency.



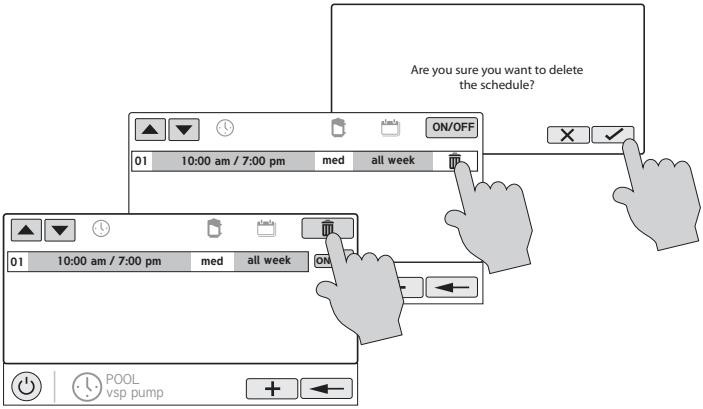
Turning a Schedule Off

There may be circumstances when you will want to turn off a schedule temporarily. To do this, slide the On/Off button to "Off". The schedule will remain off until you go back to this screen and turn it on.



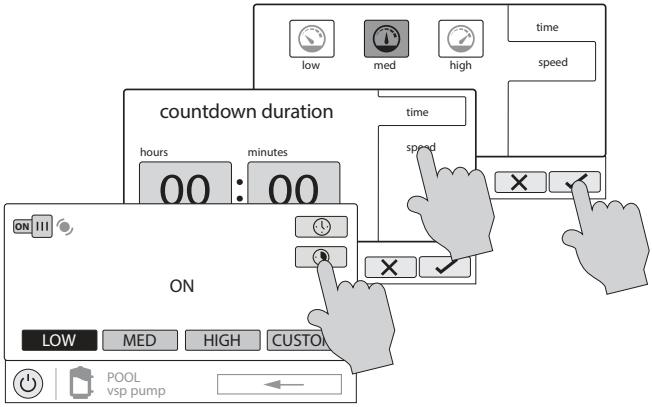
Deleting a Schedule

Schedules can be deleted when they are no longer necessary. To delete a schedule, select the schedule and touch Delete as shown below. A Delete button should appear on the side of the schedule. Touch this Delete button to remove the schedule.



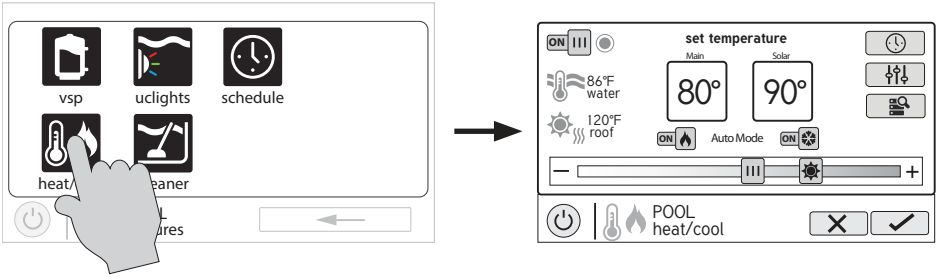
Countdown Timer

A Countdown timer runs or enables equipment for the amount of time specified. You can initiate the Countdown timer at the equipment's control screen. At the countdown screen, set the desired countdown time. In this case, the timer will run the pump for the specified countdown time. If the equipment is already running due to a schedule, the countdown timer setting will override the schedule and turn off at the end of the countdown interval. If the equipment is off, the countdown timer will turn it on for the duration/speed that has been set.



Heat/Cool

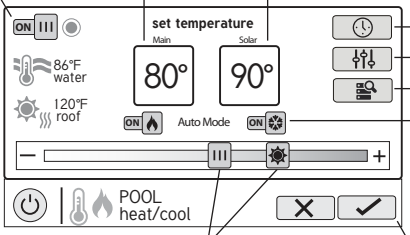
Touching the heat/cool button in the Features Screen will let you enable or disable heating/cooling, set priority, set the heating/cooling mode, set temperature, set schedules and view the status of the heaters/chillers for the selected Body of Water. An example of the heat/cool Control Screen is shown below:



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Enable / Disable - Slide this switch to enable and disable heating/cooling. When the circle icon is grayed out and stationary, equipment is currently idle. When in motion, the heater/chiller is actively heating/cooling.

Setpoint Temperature - The Main heater/chiller and Solar setpoint temperatures are shown in these boxes. The setpoints can be changed using the sliders at the bottom or by pressing the box and inputting the temperature manually.



Set Schedule - Touch this button to set a schedule for the heater/chiller.

Priority & Settings - If more than one heater/chiller is configured for the pool or spa, use this button to set priority, change differential and enable/disable physical heaters/chillers.

Heater Diagnostics - Press this button to view heater diagnostics.

Heater/Cooling Mode - Press these buttons to change the heating/cooling mode. Turn both ON to enable "Auto Mode".

Save Changes - Settings are not saved until this button is pushed.

Change Setpoint - This slider will raise and lower the heater/chiller setpoint setting. The slider will change the Main setpoint and the slider will change the Solar setpoint.

Heat Mode - Heat Mode is enabled if the Heating on/off switch is ON and the Cooling on/off switch is OFF. In Heat Mode, the equipment will ONLY turn on to heat the pool/spa water. Equipment will NOT turn on the cool the pool/spa water if the pool/spa water temperature is too high.

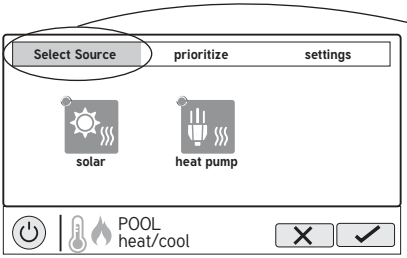
Cool Mode - Cool Mode is enabled if the Cooling on/off switch is ON and the Heating on/off switch is OFF. In Cool Mode, the equipment will ONLY turn on to cool the pool/spa water. Equipment will NOT turn on the heat the pool/spa water if the pool/spa water temperature is too low.

Auto Mode - Auto Mode is enabled if the Heating on/off switch and the Cooling on/off switch are both ON. In Auto Mode, the equipment will turn on to heat the pool/spa water when the pool/spa water temperature is too low, AND to cool the pool/spa water when the pool/spa water temperature is too high. Auto Mode will turn on the heater/chiller according to the set initial temperature differential. The default initial temperature differential is set to 2°F.

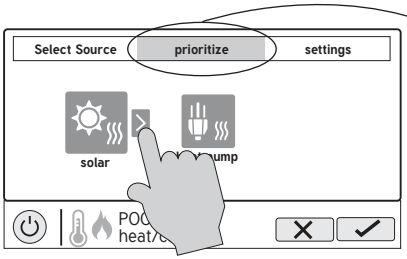
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Heat/Cool Priority & Settings

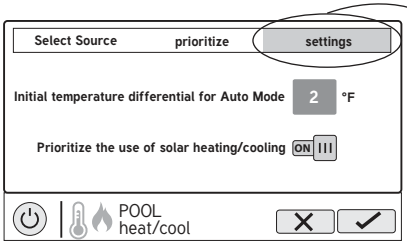
Press the Priority & Settings button shown above to access this menu. Here, you can enable/disable individual heaters/chillers, change the priority of your heaters/chillers, as well as adjust the temperature differential for Auto Mode and prioritize the use of solar heating/cooling if you have solar. Refer to screens below for more information.



Select Source Tab - This screen will allow you to enable or disable individual heaters/chillers by pressing them. Disabled heaters/chillers will appear grayed out. Also, the circle in the corner of each heater/chiller indicates the running status of that equipment. When the circle icon is grayed out, the equipment is idle. When in motion, it is actively heating/cooling.



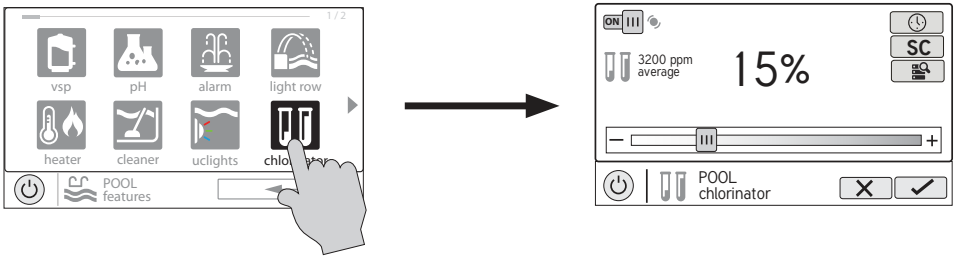
Prioritize Tab - This screen allows you to change the priority of each heater/chiller. To change priority, select the equipment that you would like to move and then press the arrow as shown on the left to reorder your heaters/chillers. If the priority heater/chiller can not meet demand for heating/cooling, the next priority heater/chiller will operate. Prioritize your equipment to maximize efficiency by allowing the most cost effective heaters/chillers to run first. Note that a time interval of "0" hours will eliminate priority and always run both heaters/chillers at the same time (time interval can only be changed in the configuration wizard).

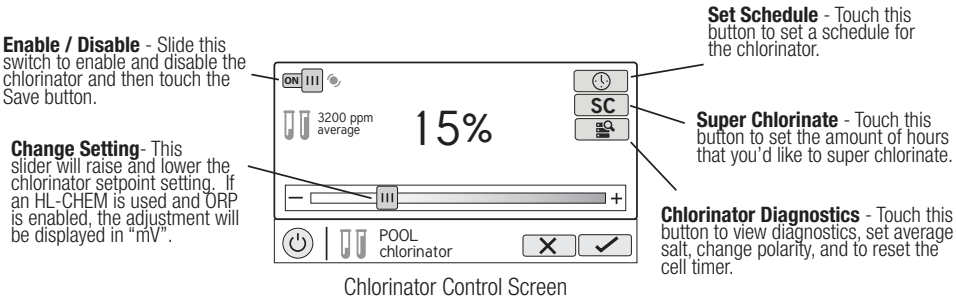


Settings Tab - This screen allows you to change the initial temperature differential for Auto Mode and to always prioritize the use of solar heating/cooling. The initial temperature differential controls when your heater/chiller will turn on. For example, if the differential is set to 2°F, then heating will begin when your pool/spa water falls to 2°F below your setpoint temperature and cooling will begin when your pool/spa water rises to 2°F above your setpoint temperature. If you choose to prioritize the use of solar heating/cooling, then solar will always take priority over other equipment.

Chlorinator

If a chlorinator has been configured in the Configuration Wizard, you will see it in the Features Screen. Touching the chlorinator button will bring you to the Chlorinator Control Screen that will allow you to enable/disable the chlorinator, set a schedule, super chlorinate and view/change diagnostics. A sample screen is shown below. For schedules, refer to the previous examples in this manual.





Chlorinator Control Screen

If using an HL-CHEM - The Hayward HL-CHEM Sense and Dispense accessory continuously tests the pool's sanitization and pH levels allowing the AQR S3 Omni to automatically generate the correct amount of chlorine and dispense the proper amount of pH reducer. If using the HL-CHEM and ORP has been enabled in the Configuration Wizard, the AQR S3 Omni will display chlorinator readings and settings in "mV" rather than "%". Refer to the information below as well as the HL-CHEM manual for configuration and operation instructions.

Chlorinator Setting - The AQR S3 Omni can only generate chlorine while the filter pump is operating. Set the percentage of run time that you desire chlorine generation. Raise this value to generate more chlorine. Lower this value to generate less.

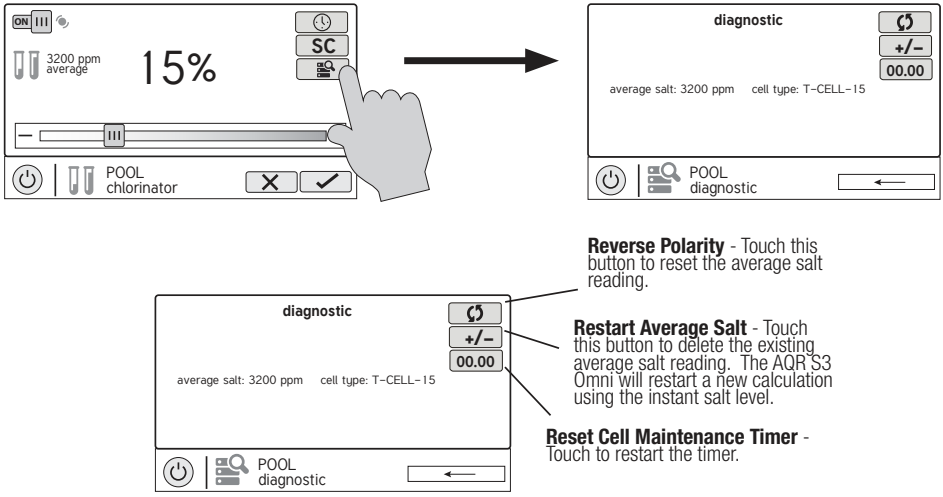
NOTE: After the initial setting, you may need to raise the setting when the pool water temperature increases significantly, when there is higher than normal bather load or when your chlorinator cell ages. You may need to lower the setting when the pool water temperature decreases significantly or there are long periods of inactivity.

Super Chlorinate - When you have an unusually high bather load, a large amount of rain, a cloudy water condition, or any other condition that requires a large amount of chlorine to be introduced to the pool, activate the AQR S3 Omni Super Chlorinate function. The AQR S3 Omni will turn on the filter pump (if not scheduled), set the pool/spa valves to the correct position, and set the chlorine genera-

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tor to maximum output. The super chlorinate function will continue for the programmed number of hours overriding the normal filter pump schedule settings. At the end of the super chlorinate period, the pool will return to normal operation. If you manually turn off the filter pump, the super chlorinate function terminates.

Chlorinator Diagnostics



For the chlorinator to be operating, several conditions must exist: the filter pump must be running, the flow switch must detect flow, the chlorinator setting must be greater than 0%, the water temperature at the cell must be between 50ºF and 140ºF (superchlorinate will run under 50º except during freeze protection), and the salt level must be within the operating range. If any of these conditions are not met, the diagnostic screen will show that the chlorinator is off. Also, depending on the chlorinator setting, the AQR S3 Omni may be in between cycles and the chlorinator is at rest (cell current shows 0.00A). To force the start of the new cycle, you can touch the Reverse Polarity button.

NOTE: If a conventional or solar heater is operating, it is likely that the temperature of the water at the cell is higher than the pool/spa water temperature displayed on the AQR S3 Omni default display.

Restart Average Salt - The AQR S3 Omni monitors salt level while chlorinating. At any time, go to the chlorinator diagnostic screen to view the average salt based on an ongoing calculated average. If you restart average salt, the previous average is deleted and the AQR S3 Omni begins calculating the new average from that moment. The AQR S3 Omni will start with the instant salt reading and calculate an ongoing average.

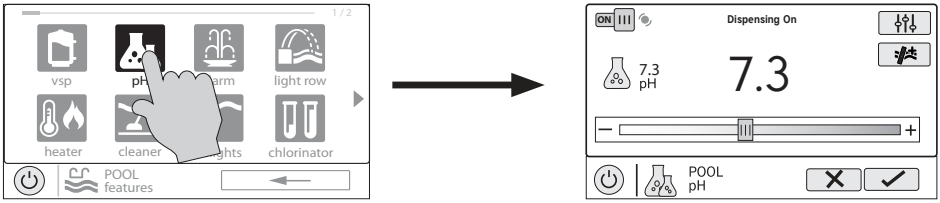
Reverse Polarity - The AQR S3 Omni periodically reverses the polarity of the voltage applied to the chlorinator cell in order to automatically clean off any calcium deposits. To check operation in both polarities, touch this button. The chlorinator will turn off, wait for 15 seconds and then turn on in the opposite polarity.

Reset Cell Maintenance Timer - To maintain maximum performance, it is recommended that you open and visually inspect the chlorinator cell every 3 months or after cleaning your filter. The AQR

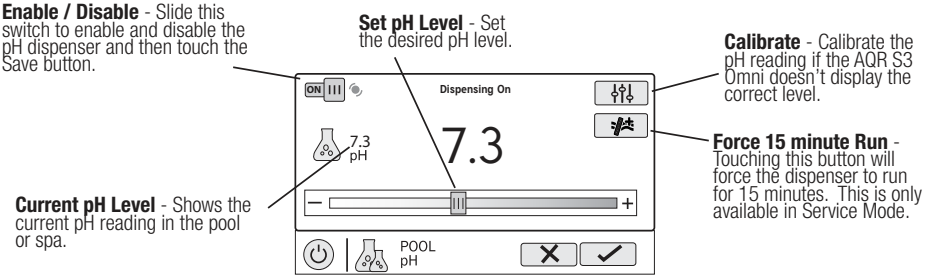
S3 Omni will remind you to do this by displaying a message to clean and inspect the cell after approximately 500 hours of operation. You can restart the timer by touching this button.

pH Dispense

If using an HL-CHEM: The Hayward HL-CHEM Sense and Dispense accessory continuously tests the pool's sanitization and pH levels allowing the AQR S3 Omni to automatically generate the correct amount of chlorine and dispense the proper amount of pH reducer. Refer to the information below as well as the HL-CHEM manual for configuration and operation instructions.

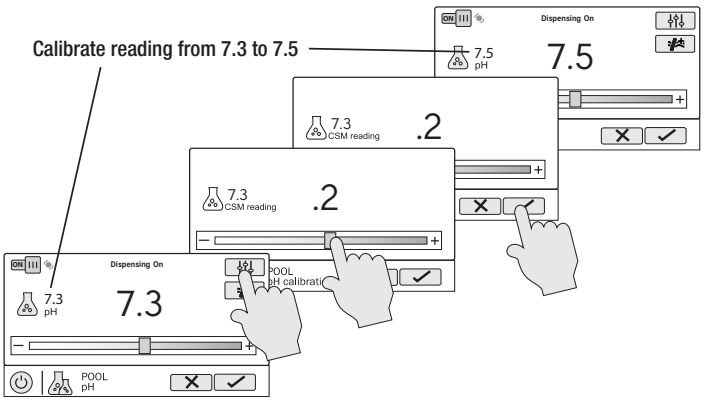


pH Dispense Control Screen



pH Calibration

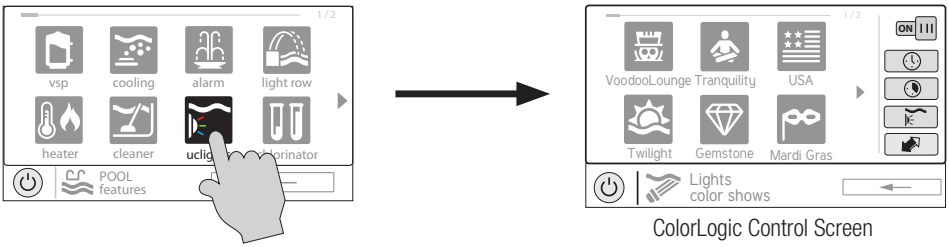
If the AQR S3 Omni pH reading differs from independent water tests, you can adjust the reading by touching the Calibrate button and using procedure below. You'll be asked for the difference between the displayed pH level and the true pH level. You'll want to select the amount needed to go from the displayed level to the true level. In the example below, the displayed level is 7.3 and the true level is 7.5. You need to add .2 to the displayed level to arrive at the true pH level.



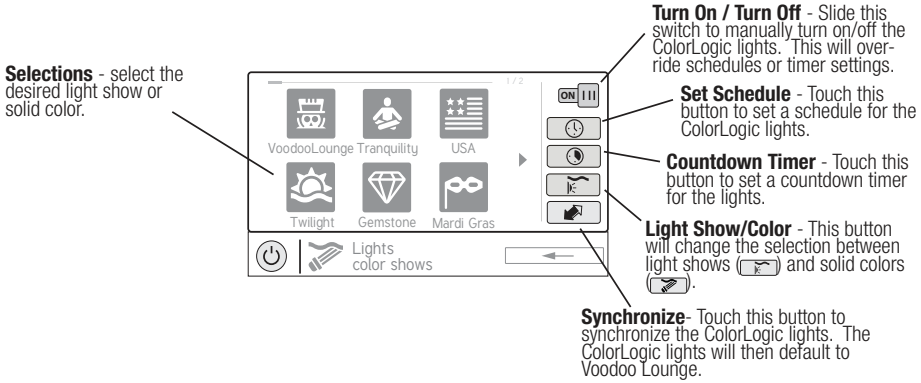
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ColorLogic Lights

ColorLogic Lights



ColorLogic Control Screen



You can set schedules for the ColorLogic light as well as a countdown timer. This procedure has been shown previously. Note that after the countdown interval, the lights will go off regardless of their previous state.

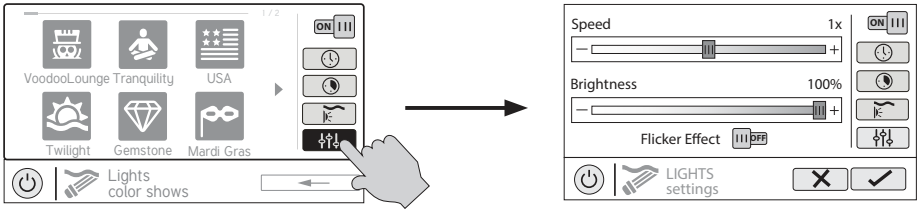
Light Show/Color - From the ColorLogic Control Screen, select the desired show or color. Use the Advance button to show all of the available selections. Use the Light Show/Color button to switch between all light shows and all solid colors.

Synchronize - Because changing colors and shows requires interrupting power to the ColorLogic lights, there is a chance that the lights could lose synchronization due to timing issues. If you find that the color or show does not correspond with the selection that you've made, the lights may be out of sync. Touch the Synchronize button to re-sync the ColorLogic lights.

Omni Direct Mode (Universal ColorLogic Lights built after June 2018)

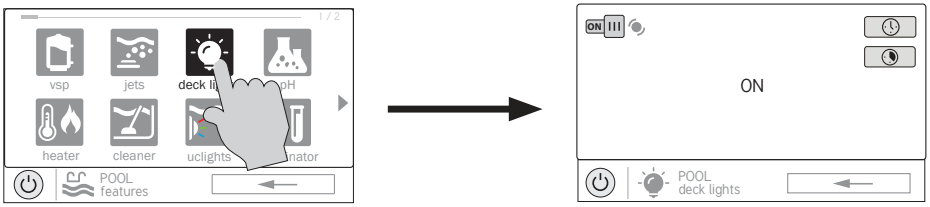
Universal ColorLogic lights built after June 2018 are capable of Omni Direct mode. To run in this mode, select Omni Direct mode when configuring your lights in the Configuration Wizard (see Installation Manual). The AQR S3 Omni will test your lights during configuration to confirm that they support Omni Direct mode. If so, the ColorLogic Control Screen will display a Settings icon rather than a Synchronize button, which allows both Speed and Brightness control shown on the screen on the following page. If a WaterBowl light is configured, the Flicker effect can also be activated from the

Settings screen. Note that these settings will also be an option when setting up schedules and timers for lights running in Omni Direct mode.



Other Lights

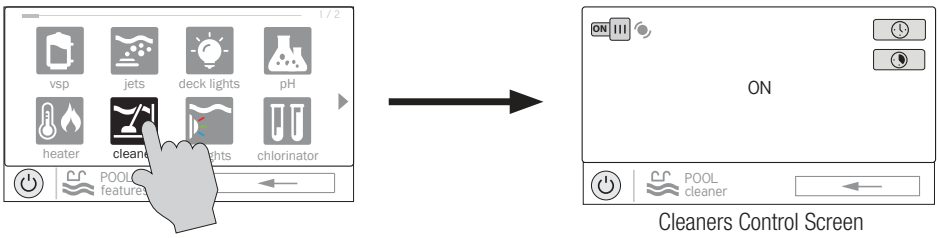
You can turn other lights on/off, set schedules, and set a countdown timer at the Other Lights Control Screen shown above. These functions have been illustrated previously in this manual.



Other Lights Control Screen

Cleaners

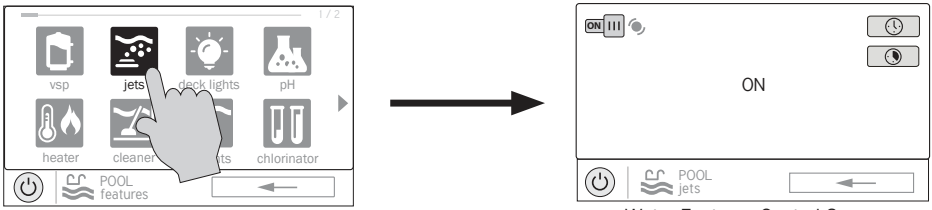
You can turn the cleaner on/off, set schedules, and set a countdown timer at the Cleaners Control Screen shown below. You can also set pump speed if a two-speed or variable speed pump has been configured to be used with the cleaner. These functions have been illustrated previously in this manual.



Cleaners Control Screen

Water Features

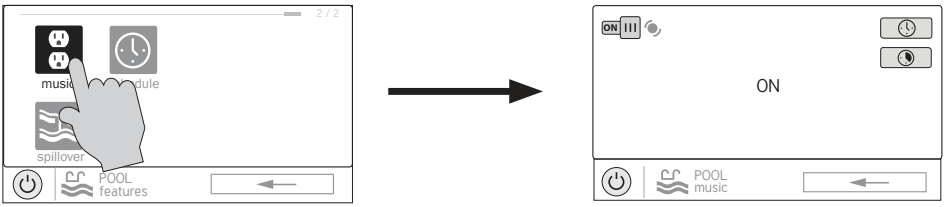
You can turn the water feature on/off, set schedules, and set a countdown timer at the Water Features Control Screen shown on the top of page 20. You can also set pump speed if a two-speed or variable speed pump has been configured to be used with the water feature. These functions have been illustrated previously in this manual.



Water Features Control Screen

Accessories

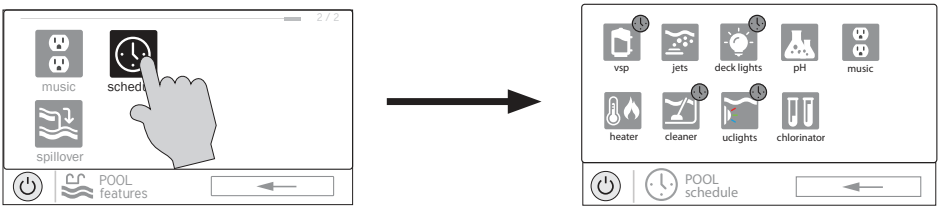
You can turn the accessories on/off, set schedules, and set a countdown timers at the Accessories Control Screen shown below. You can also set pump speed if a two-speed or variable speed pump has been configured to be used with the accessory. These functions have been illustrated previously in this manual.



Accessories Control Screen

Schedule

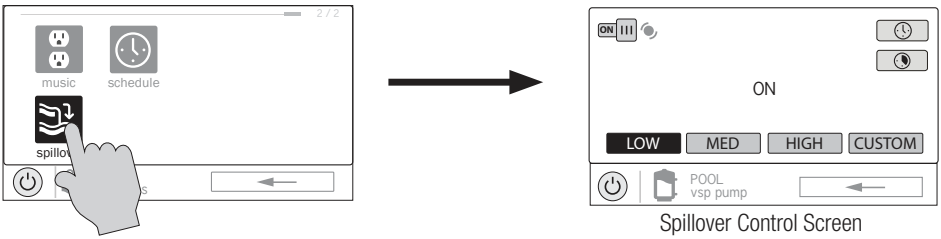
The Schedule button appears in the Features Screen for all Bodies of Water regardless of what equipment has been configured in the Configuration Wizard. It offers a convenient way to create and edit schedules. Any equipment that has been configured for this Body of Water, and has an option for schedules, will be shown in the Schedule Control Screen. Equipment that has been assigned a schedule will show a clock symbol in the upper right side of the button. Touching any of these buttons will bring you to the schedule screen for that equipment. Create and edit schedules as shown on pages 9 & 10.



Schedule Control Screen

Spillover

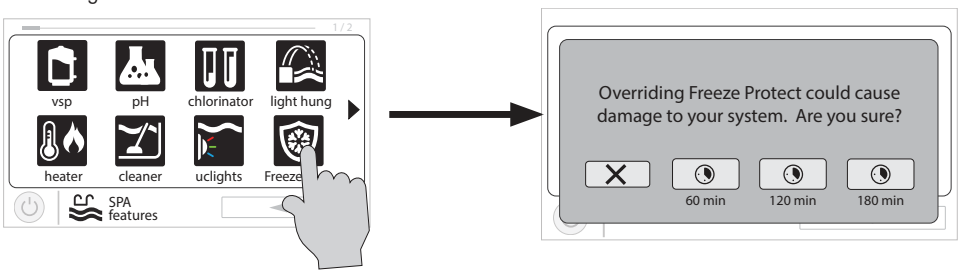
If spillover is configured, you can turn spillover on/off, set schedules, and set a countdown timer at the Spillover Control Screen. These functions have been illustrated previously in this manual.



Spillover Control Screen

Freeze Protect Override

If freeze protection is enabled AND the air temperature falls below the freeze threshold, the AQR S3 Omni will turn on the filter pump to circulate the water. If two bodies of water are configured, the valves will also alternate between the pool and spa every 30 minutes and the filter pump will turn off while the valves are turning. The chlorinator will not operate if freeze protection is the only reason the pump is running. Freeze protection can be overridden for 60 minutes by touching the Freeze Prot. button found in the Features Screen for the Body of Water with the highest heating priority (see below). IMPORTANT: Ensure that equipment is protected from a freeze condition before overriding this feature. To resume normal freeze protection, simply touch the Freeze Prot. button again.



Favorites

Favorites can be found on the right side of the Home Screen and offer control for equipment regardless of which Body of Water is being displayed. Favorites are also used to control equipment that has been configured for the “Backyard”. Favorites offer quick easy access to frequently used functions and most Favorites can be added to Simple Mode (page 36).

The AQR S3 Omni will automatically create some Favorites based on your system’s configuration. You can also create your own Favorites. Once Favorites have been created, you can change the location in which they appear on the Home Screen. In addition, if you no longer require a Favorite, it can be deleted. The AQR S3 Omni supports up to a total of 50 Favorites.

In most cases, touching a Favorite button on the Home Screen will bring you to the same screens that have been covered in the Control Screens section of this manual. Refer to these screens if necessary.

Alarms

An alarm condition will change the mood color of the entire touchscreen and display a “!”