AquaRite S3 - Firmware R4.4.2
Release Notes – Fall 2022

Features and Enhancements

The AQR S3 chlorinator builds upon Hayward's base chlorinator offerings with the additional ability to control a filter pump and a heater on a single body of water.

AQR S3 Features:

- Color display with physical buttons
- Auto voltage select between 120/240 VAC (no cord included)
- User adjustable broad salt chlorination for a single body of water
- Hayward VSP control with schedules
- Clear T-Cell S3 with less scaling and higher flow
- Cover detect and interlock limits
- Firmware field upgradable

AQR S3 optional features with the purchase of accessories:

- Single-speed filter pump control with the purchase of Smart Relay
- Pentair VSP support with the Hayward pump converter (HLPMPCONV)
- Freeze Protect with purchase of GLX-PC-12-KIT temperature sensor kit
- Heater control with the purchase of GLX-PC-12-KIT temperature sensor kit

T-Cell Requirements:

- **Only compatible with S3 series of clear T-Cells**
- **TCELLS3 (clear cell) is REQUIRED. Legacy cells are not compatible with the AQR S3.**

Firmware Revisions Included in this Release

The AQR S3 consists of two components (Display and Main Board) each requiring their own firmware. Both are upgradable through the main board USB connection and selectable in the system upgrade menu.

Main board Firmware: R4.4.2
Display Firmware: R4.4.2

Major Changes in R4.4.2

- UI improvements
- Bug fixes
- Added enable/disable air temperature to the install wizard and configuration settings.

Upgrade Steps

1. On a FAT32 formatted USB drive, copy into the root (top level) directory the upgrade files: DISPLAY_R4.4.2.bin and MAIN_R4.4.2.bin
2. Power down the AQR S3 and remove the dead front (Refer to User Manual)
3. Insert the USB drive into the USB connection on the main board.
4. Replace the dead front and display.
5. Power up the unit
6. Navigate to Service Mode->Firmware update
7. Select component to update then select the matching file and select OK. Do this for both Main and Display.

Recommended verification and testing.

1. Explore the menus.
2. Ensure proper configuration of temperature sensors.
3. Check that the Salt Alarm levels are set as expect.
4. If controlling a filter pump or heater ensure proper operation.