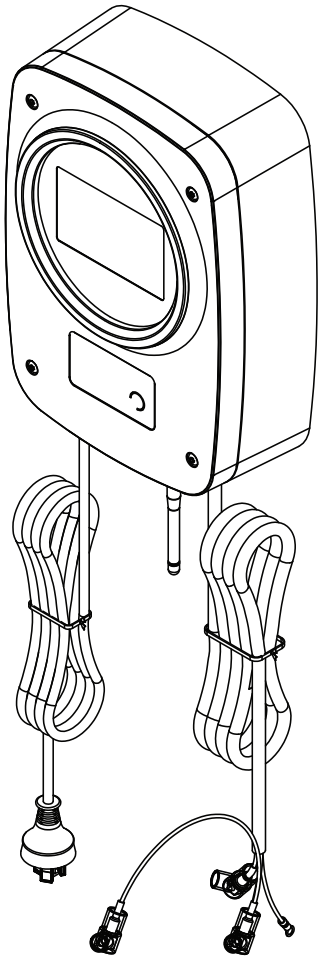
AstralPool
FLUIDRA

**Installation and Operation Manual**



# Solo Chlorinator

**Models:** **Solo 18** **Solo 35**
**Solo 25** **Solo 45**

## ⚠ WARNING

**FOR YOUR SAFETY** – This product must be installed and serviced by a licensed and qualified pool equipment contractor in accordance with the latest applicable version of AS/NZS 3000 and any other applicable local or council codes and standards.

Before installing, operating, inspecting, cleaning or servicing this product, read and follow the Owner's Manual and all safety instructions. Before performing any maintenance or servicing, switch off and isolate the product from the electrical supply.

Failure to follow these instructions may result in electric shock, fire, gas accumulation, equipment damage, serious injury or death. Improper installation, operation or servicing may also void the warranty.

**ATTENTION INSTALLER:** This manual contains important safety, installation, operation and maintenance information. After installation, provide this manual to the owner/operator and advise them to retain it for future reference.

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Before installing or operating the Solo Chlorinator, read all instructions supplied with the product and any connected pool equipment. Installation and service must be carried out by a suitably qualified person where required by local regulations.

**⚠ WARNING**

**Child Supervision:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

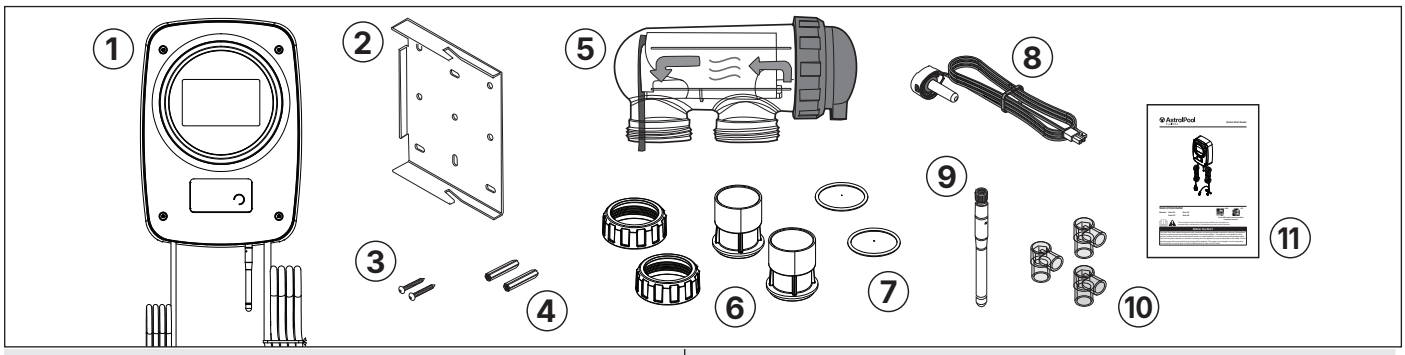
## Section 1. System Overview

The Solo chlorinator is a connected saltwater chlorinator designed for everyday pool care with touchscreen control, smartphone/app connectivity through FluidraPool, integrated timer control, water temperature display when a sensor is fitted, and straightforward pump and chlorination control.

### 1.1 Contents

Before starting, check that you have the correct parts as indicated in the parts list table below. If any parts are missing or incorrect, please call your local distributor or technical support at 1300 186 875 for assistance.

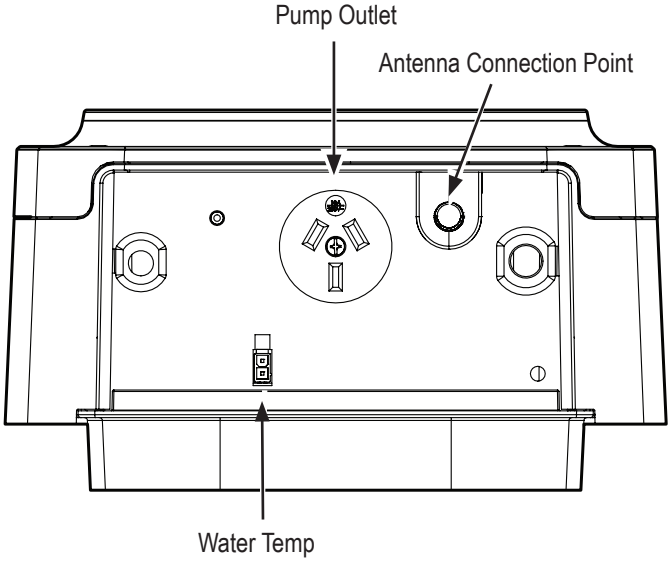
## 1.2 Solo Chlorinator




| Key | Description | Qty. | Key | Description | Qty. |
|---|---|---|---|---|---|
| 1 | Chlorinator Power Pack | 1 | 7 | O-Ring | 2 |
| 2 | Wall Mount Bracket | 1 | 8 | Water Temperature Sensor and Clamp | 1 |
| 3 | Wall Mount Screws Ø7 mm | 2 | 9 | Antenna | 1 |
| 4 | Wall Mount Anchor | 2 | 10 | Terminal Covers (2 red, 1 green) | 3 |
| 5 | Electrolytic Cell | 1 | 11 | Quick Start Guide | 1 |
| 6 | 40/50 mm Unions | 2 | | | |

**Figure 1. Solo System Components**

## 1.3 Hardware Connections




| Hardware Connections | |
|---|---|
| **Pump Outlet/Socket** | Connection for the filter pump. |
| **Water Temp** | Connection for a 10k thermistor-style water temperature sensor. Required for temperature display, cold water protection, and salinity indication ring. |
| **Antenna** | Fit the antenna into the connection point. It helps provide strong Wi-Fi and Bluetooth connectivity. |
| **Software Connections** | |
| **Bluetooth** | Used for compatible AstralPool Bluetooth variable speed pump communication and local app pairing where supported. |
| **Wi-Fi** | Used for FluidraPool remote access, connected-product support features and automatic firmware updates where internet access is available. |

**Figure 2. Solo Base Connections**

# Section 2. Installation

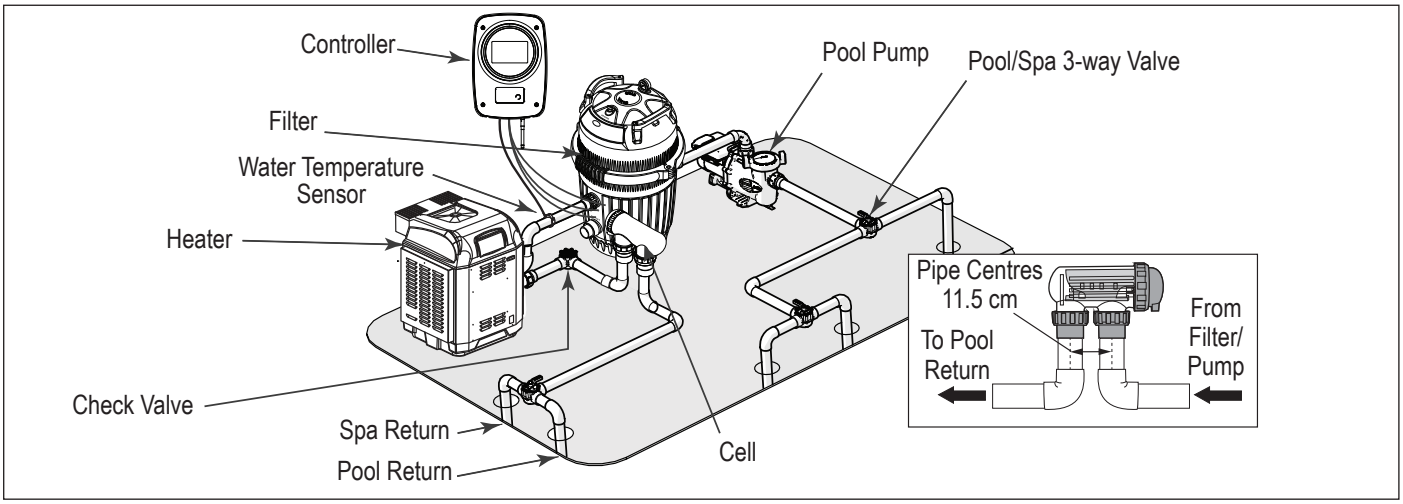



**Figure 3. Typical Installation Diagram**

The appliance shall be supplied through a residual current device having a rated residual operating current not exceeding 30 mA.

A non-replaceable backup power source is incorporated to maintain time-setting memory in the event of a short, infrequent power interruption.

## 2.1 Mounting the Controller

The controller should be located at or near the equipment pad, at least 3.5 m from the inside wall of the pool or spa, 1.5 m above ground level, and within 1.5 m of the cell. Install the controller in a well-ventilated, shaded location where practical, protected from prolonged direct sunlight and excessive heat. If installing on a post, the controller must be mounted on a 400 mm (H) x 300 mm (W) flat sheet. All applicable national, state and local codes must be observed.

## 2.2 Mount the Bracket

1. Determine the controller location.
2. Use the enclosed bracket to mark the mounting surface through the screw holes.
3. Hang bracket using the included screws. If installing on a masonry wall use the 7 mm wall mount anchors provided
4. Hang the controller on the wall bracket and slide down to secure in place.
5. Attach the antenna to the terminal in the base of the controller.

**NOTE:** As insects can sometime be attracted to the warmth in a control power pack it is recommended that an insecticide surface spray is sprayed around the power pack at start up and on a regular basis to prevent any damage to the PCBs. Damage caused by insect ingress is not covered by warranty.

## 2.3 Pool Plumbing

The cell must be plumbed in a position that is accessible for maintenance and within 1.5 m of the controller. The cell should be the last piece of equipment in the circulation system. The cell must be installed horizontally, level and with correct flow orientation. See *Figure 3*.

1. If you intend to plumb the cell on a bypass, the bypass must be equipped with isolation valves.
2. Plumb the cell inlet and outlet on vertical lengths of PVC pipe. The cell inlet and outlet ports are 11.5 cm apart, see *Figure 3* inset. The inlet of the cell is on the side closest to the electrical lead, see *Figure 1*.
3. Put the lock nuts onto the inlet and outlet pipes in the correct orientation. See *Figure 3*.
4. Glue the unions directly onto the pipes.
5. Ensure the o-rings are seated properly on the unions.
6. Secure the cell to the plumbing by tightening the unions hand tight. DO NOT OVERTIGHTEN.
7. Double check cell orientation. The cell inlet is closest to the cell electrical lead.

The cable from the chlorinator to the cell is colour coded. Unclip the endcap from the cell and plug the cell cable wires into the cell, ensuring that the colour codes are followed, and add the correct colour silicone covers.

**⚠ WARNING**

The cell must be installed horizontally and level. Improper installation can lead to gas build up which could result in equipment damage or serious injury.

- The cell must be the last piece of equipment on the return line, See *Figure 3*.
- In order to avoid load loss, installing the cell on a bypass is **MANDATORY** if system flow rated exceeds 300 L/min.
- The bypass must be equipped with isolation valves, as well as a downstream check valve, to prevent improper back flow into the cell.

### 2.4 Other Connections

The following connectors are available on the AstralPool Solo.

| Connector | Use For |
|---|---|
| Water temperature | Water temperature sensor for the filter pump water circuit.<br>Ensure connection for salinity readings and accurate water temperature |

A water temperature sensor is included with the AstralPool Solo chlorinator package. Its installation is highly recommended to ensure that you get the most benefit and take advantage of all system features.

- When installing the water temperature sensor, follow the instruction manual included with the kit.
- Ensure that the sensor is installed after the filter pump and before any heating device (if there is one installed). See *Figure 3*.

### 2.5 Connecting Other Equipment

| Equipment | Connection Method | Comments |
|---|---|---|
| Filter pump | Pump outlet/socket | Solo switches the filter pump on and off according to timers, manual operation and maintenance modes. |
| Water temperature sensor | Water Temperature connection | Install where temperature display and Cold Water Protect are required. See installation information in Temp Sensor manual. |
| Compatible AstralPool variable speed pump | Bluetooth only | Set low, medium, high and priming behaviour where supported by the pump type. |
| FluidraPool app | Bluetooth and Wi-Fi | Scan the QR code and follow the app prompts to pair and connect. |

## Section 3. Operations and Maintenance

**⚠ WARNING**

1. To produce chlorine, water must be flowing through the electrolytic cell. The circulation pump is controlled by the chlorinator; however, water flow may be interrupted by a blockage, incorrect valve positioning, a pump fault or another system issue. If adequate flow is not detected, the chlorinator will not produce chlorine. Follow all warning messages displayed on the controller.
2. Before cleaning or maintaining the appliance, disconnect it from the power supply. Do not remove covers or attempt to repair internal components. Clean the electrolytic cell only in accordance with the Owner's Manual. Inspection, repair and all other electrical servicing shall be carried out only by an authorised service technician.
3. Always isolate the appliance from the electrical supply before inspecting, cleaning or servicing the chlorinator or electrolytic cell.
4. The electrolytic cell may contain scale deposits and chemical residues. Follow the cleaning instructions as noted in *Section 5, Regular Maintenance.*. Never use metal tools or abrasive materials to clean the cell.
5. Avoid contact with concentrated pool chemicals. Wear suitable eye and hand protection when handling pool chemicals or cleaning the electrolytic cell.

## 3.1 Initial Setup Using the Setup Wizard

The Setup Wizard is used during initial installation to establish the basic operating profile before the Solo chlorinator moves the owner into normal Settings and Home screen operation. See *Figure 4*.

- **Power ON > Setup Wizard > Begin (screen 1) > Set Installation Date, Time and Season (screen 2) > Connect to Internet (screen 3) > Select Pool and/or Spa (screen 4) > Enter Pool Volume > Select Pool Surface (screen 5) > Select Water Type (screen 6)**

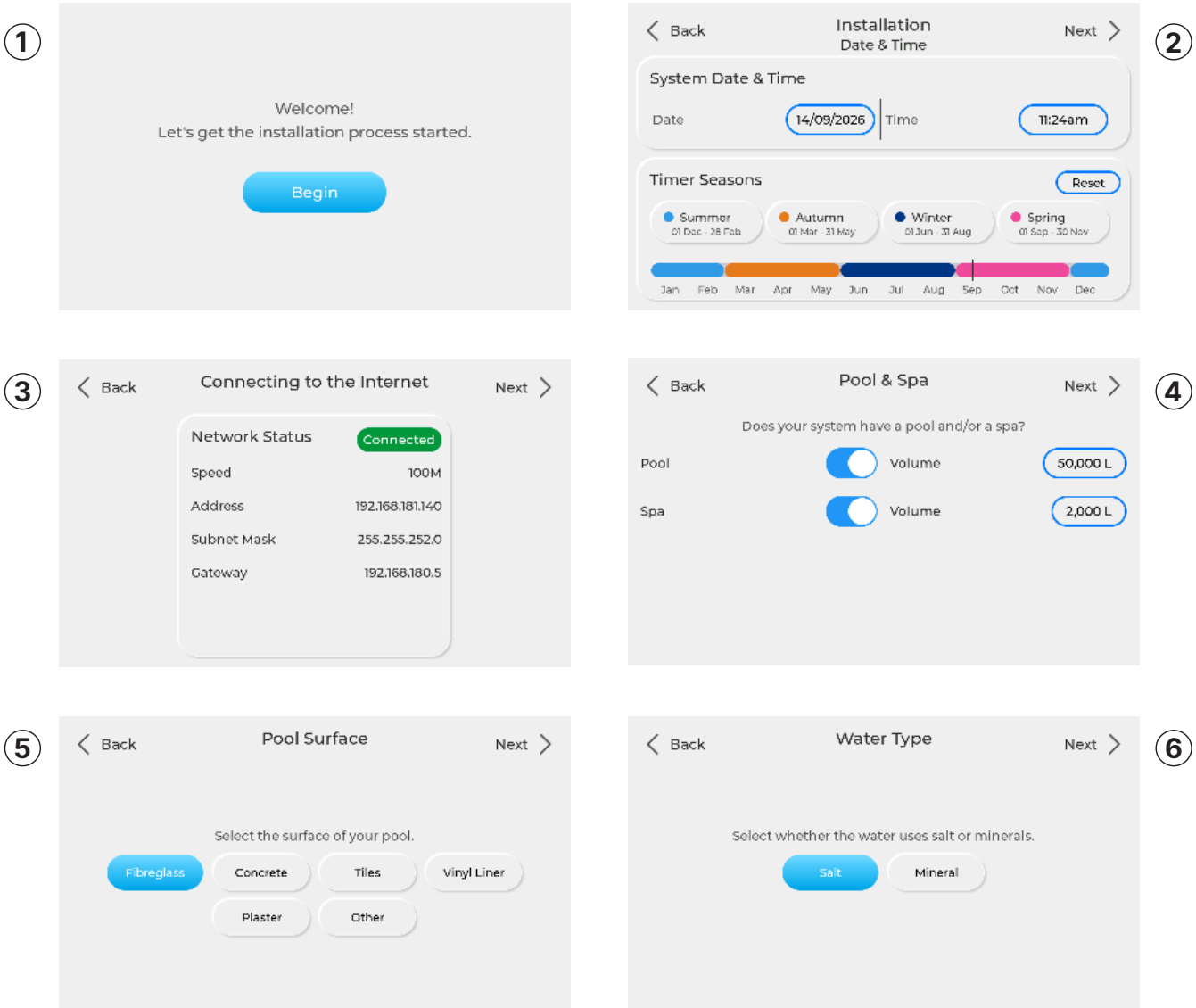



**Figure 4. Setup Wizard Steps Screens**

- Select the required language and region settings if prompted.
- **Correct date and time are important for timers, seasonal operation and event history.** Seasons can be adjusted if your climate has shorter/longer seasons. **NOTE:** This can be accessed via the settings menu later if required.
- The pool and/or spa volume **MUST** be entered as it helps guide chlorination recommendations.

## 3.2 Home Screen and Touch Navigation

The Home screen gives the owner a quick overview of pool operation and provides direct access to the main controls. The Solo Home screen provides information and access to chlorination, pump operation, water temperature when fitted, timers, favourites, notifications, and settings.

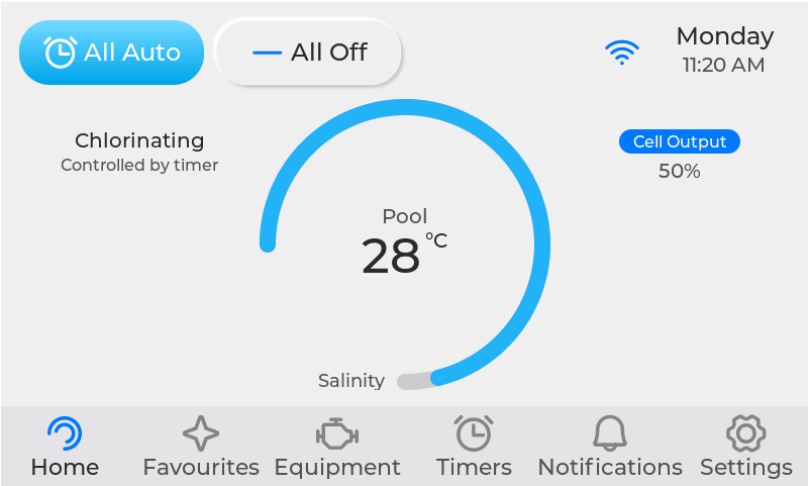



**Figure 5. Home Screen**

### 3.2.1 Home Screen Status

- The main status area shows whether Solo is sanitising, filtering, heating, in standby, in manual mode or waiting for the next timer. See *Figure 5*.
  - The left side of the screen provides the current product status (e.g., filtering, chlorinating, standby, etc.)
  - The right side of the screen shows the current status of the chlorinator cell and the operational mode (e.g., Auto, Boost, Low mode.).
- Water temperature is shown when a temperature sensor is installed. Temperature may be greyed out when the pump is off and water is not being sampled.
- Quick access buttons for “All Auto” and “All Off” are located across the top of the screen, with full menu access ribbon at the bottom of the screen
- If any system warnings or notifications are present, it will appear in the “Notifications” section with a small number pop up.
- The large stylized O (circle) on the Home screen represents the approximate salinity of the pool water (only if the tempature sensor is fitted). This will stay blue if the salinity is within range. If this coloured area “retracts” and turns orange/red, it indicates that the salinity is *too low* and salt/minerals need to be added. If the area remains fully coloured and turns red, it indicates that the salinity is *too high* and the water may need to be diluted with fresh water. **NOTE:** These values are approximations only and do not substitute for a proper water sample test.

### 3.2.2 Navigation Buttons

| Control | Purpose |
|---|---|
| **Home** | Main dashboard for current Solo status, pump operation, chlorinator state and water temperature where fitted. |
| **All Off / All Auto** | Places controllable Solo functions off or returns them to automatic timer operation. |
| **Notifications** | Shows warnings or errors that have occurred and need reviewing. |
| **Timers** | Opens timer schedules for filtration and sanitisation. |
| **Favourites** | Opens one-touch operating modes as set by the installer |
| **Equipment** | Opens access to control of the chlorinator and filter pump operations |
| **Settings** | Opens configuration, information, maintenance, notifications, FluidraPool and update menus. |

## 3.3 Configuring Solo Functions

Solo is focused on the chlorinator, pool/spa settings, filter pump control, water temperature sensor setup and compatible Bluetooth variable speed pump operation. See *Figure 6* screen 2.

- **Settings > Equipment Configuration > (choose equipment type) > see following sections for more equipment details**

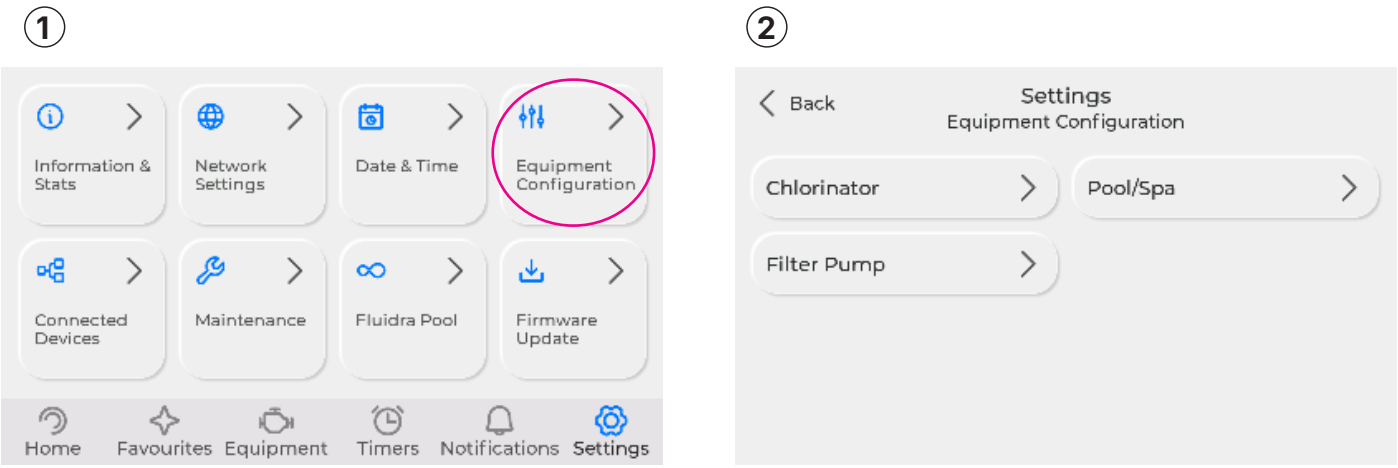



**Figure 6. Equipment Configuration Screens**

### 3.3.1 Add Equipment

A single speed or variable speed fulter pump can be added as shown in the path and figure below. Only equipment that has been added can be configured, and will appear on the Home screen, Timers screen and Favourites screen.

- **Settings > Connected Devices > Add Device or + > (choose single speed or variable speed pump) > (follow pairing, wiring or parameter prompts to configure equipment)**

Once connected, configure the equipment by going to **Settings > Equipment Configuration** to set certain features and parameters to suit the equipment. See *Figure 6* and *Section 3.3.4, Filter Pump Configuration*.

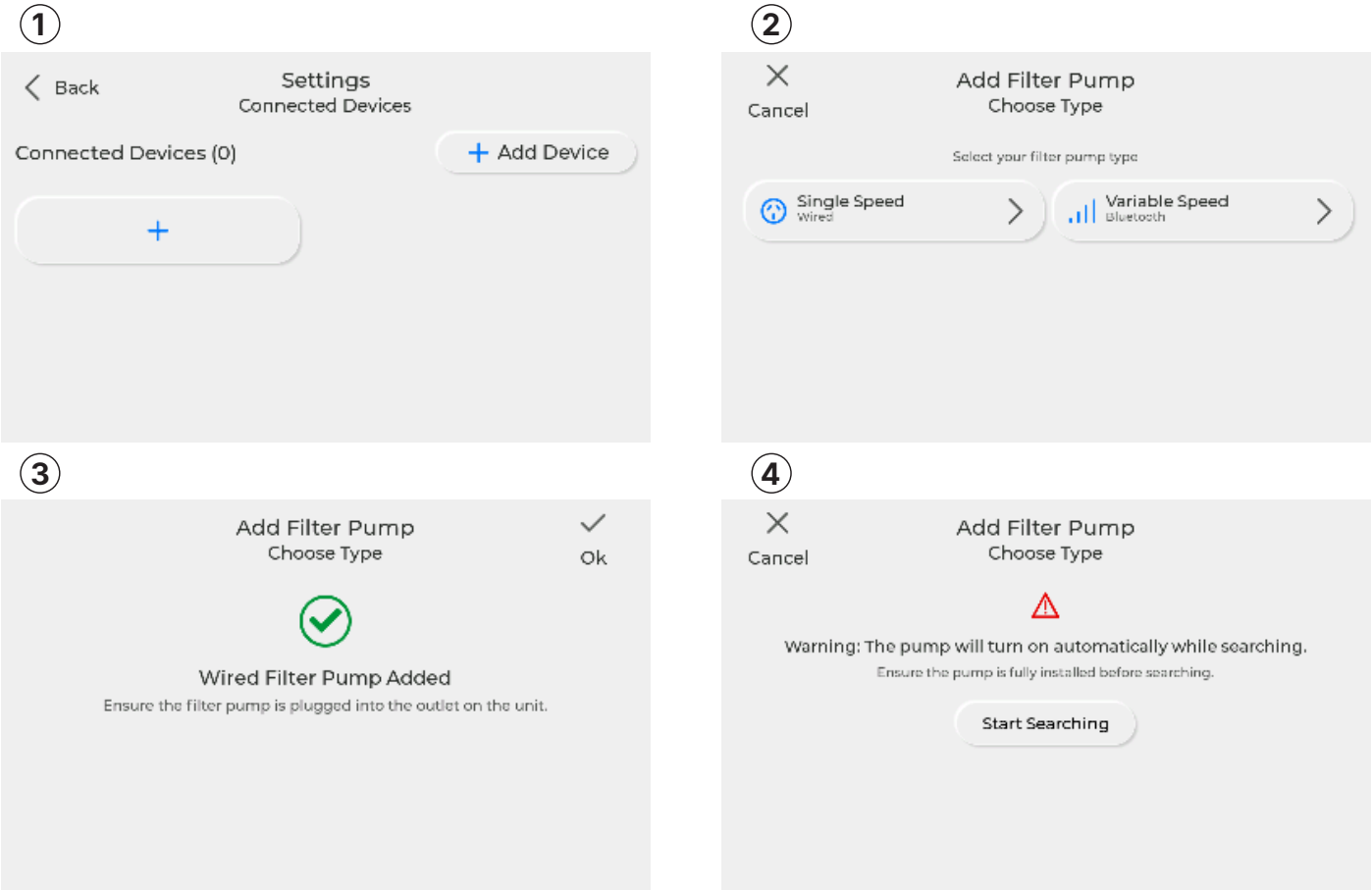
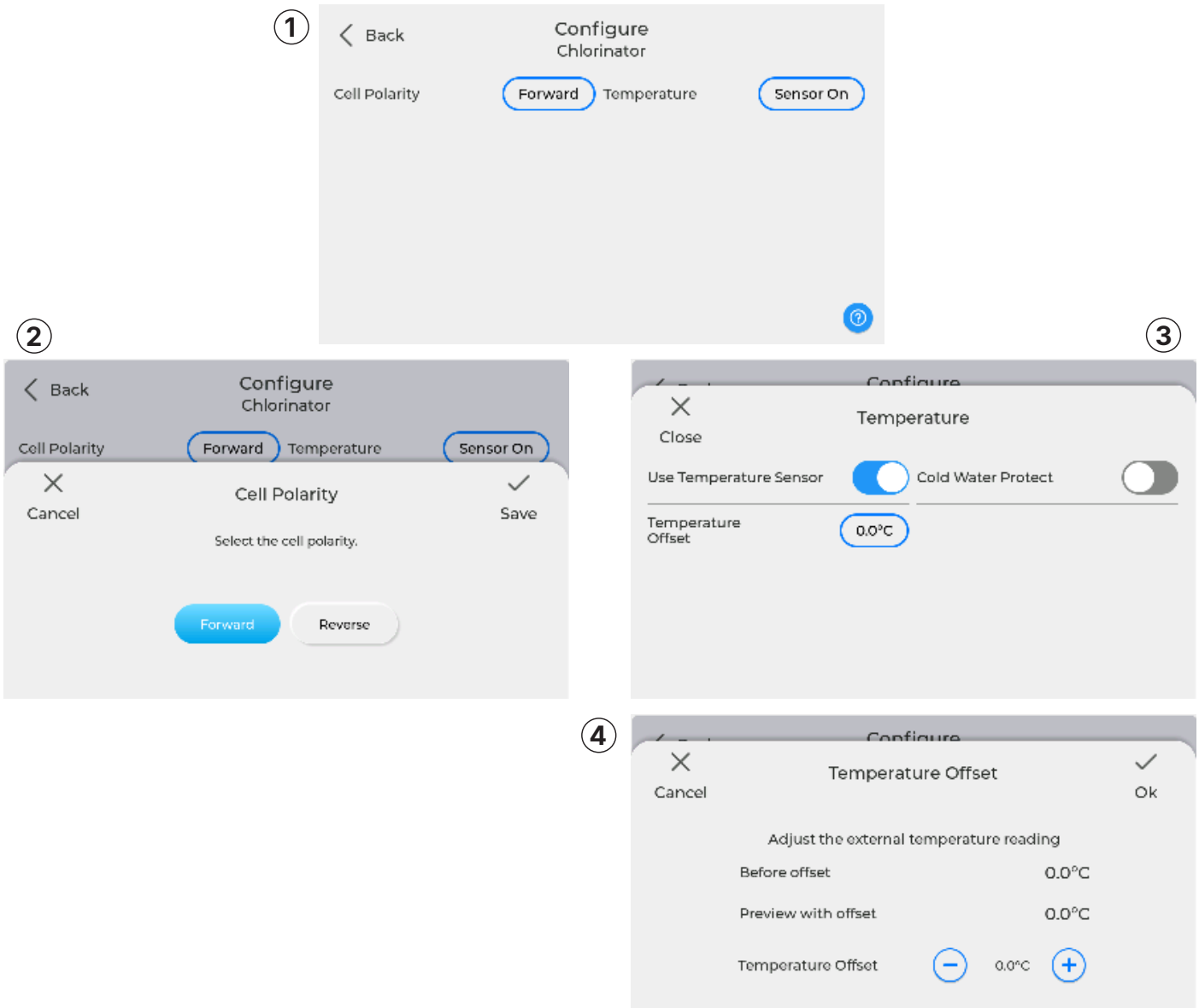



**Figure 7. Connected Devices Settings Screens**

### 3.3.2 Chlorinator Configuration



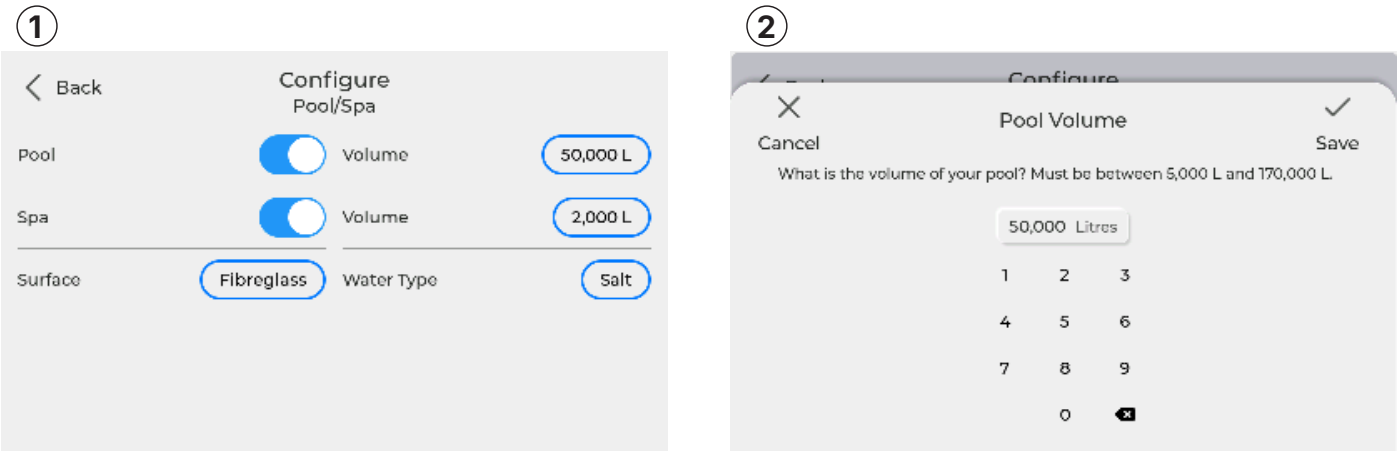

| | |
|---|---|
| • **Settings > Equipment Configuration > Chlorinator > change Cell Polarity forward or backward, and turn temperature sensor ON or OFF). See *Figure 8*.** | |
| **Cell polarity (screen 2)** | Change the cell polarity to initiate a reversal period, if needed, to help descale the electrode. **NOTE:** Excessive use of this feature can reduce the electrode life. |
| **Temperature features (screens 3 and 4)** | Enable the water temperature sensor if fitted. Cold Water Protect can reduce output as water temperature drops to protect operation and avoid unnecessary output. A temperature offset can be manually increased (press +) or decreased (press -) and saved by selecting Ok. |

**Figure 8. Chlorinator Configuration Screen**

**NOTE:** More chlorination settings are covered in *Section 3.5, Equipment*.

### 3.3.3 Pool and Spa Configuration

Use Pool/Spa configuration to define whether Solo controls a pool, spa or combined pool/spa installation. **Enter water volumes carefully** because they help guide chlorination recommendations. Surface type and water type settings should be checked against the final approved interface. As there is no valve operation, this feature is for varying the output between these bodies of water if they are installed. See *Figure 4* (screens 5 and 6) and *Figure 9*.




| | |
|---|---|
| • **Settings > Equipment Configuration > Pool/Spa > (turn ON or OFF Pool and/or Spa) > (Enter volume in Litres using numeric buttons and press Save) > (select water type and press Save).**<br>**NOTE:** These settings were previously set in *Section 3.1, Initial Setup Using the Setup Wizard.* and can be modified through this menu. | |
| **Pool/Spa** | Toggle ON/OFF to select pool only, spa only, or pool/spa combined. |
| **Pool and Spa Water Volume** | Enter the pool and spa volume that match your specifications and Save. (screen 2) |
| **Surface and Water Type** | Confirm the surface and water type selected during setup. |

**Figure 9. Pool and Spa Configuration Screen**

### 3.3.4 Filter Pump Configuration

The Solo chlorinator can control a standard single-speed filter pump from the pump outlet. When a compatible AstralPool Bluetooth variable speed pump is used, communication allows Solo to select speeds through timers, favourites, and maintenance modes. See *Figure 10*.

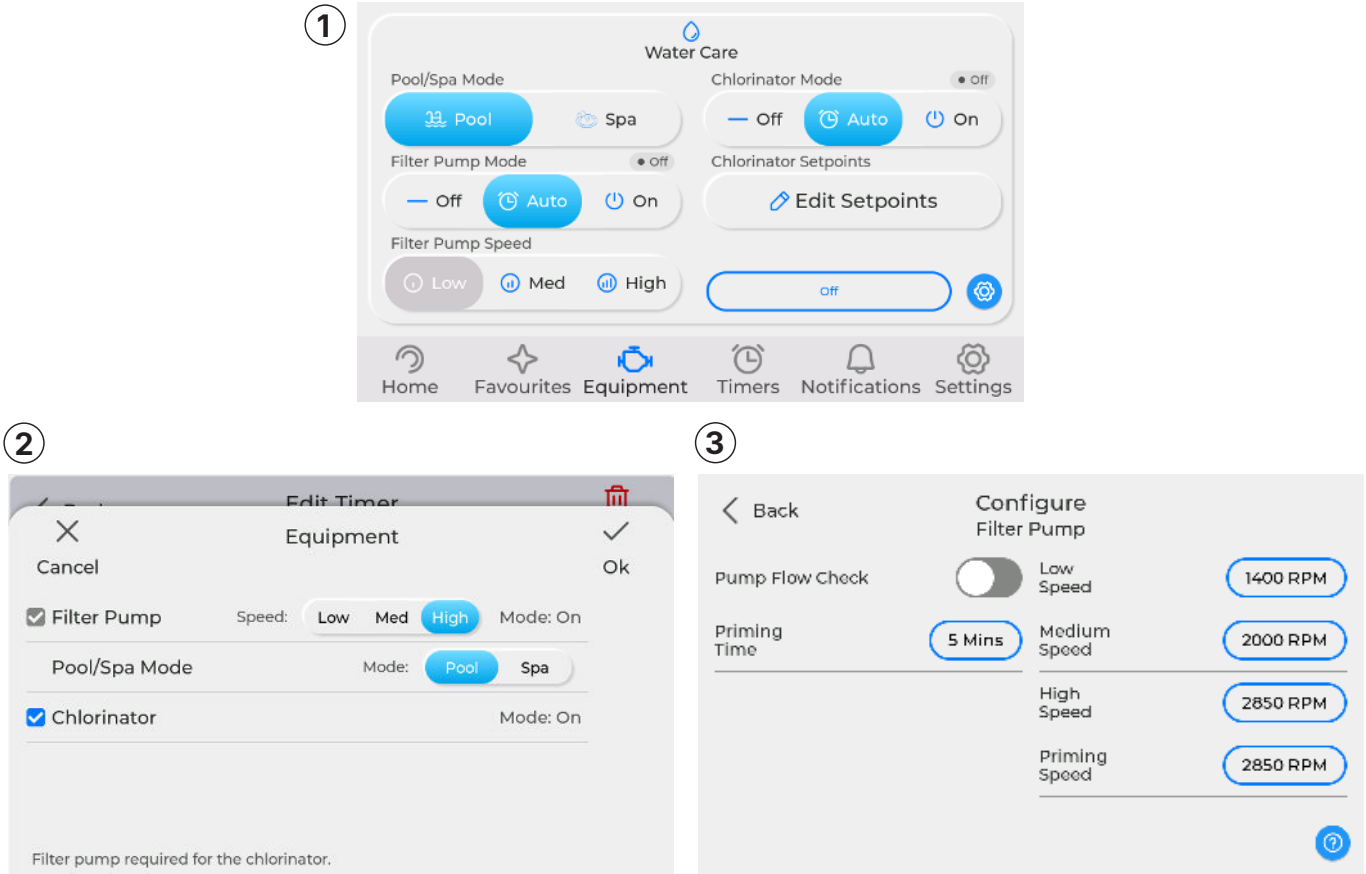



**Figure 10. Filter Pump Configuration Screen**

| • **Settings > Equipment Configuration > Filter Pump > (set Priming time, low/medium/high/priming speeds, turn pump flow check ON or OFF- screen 3) to set the filter pump. See other menus for further settings associated with other equipment..** | |
|---|---|
| **Single speed pump** | Solo switches the pump ON and OFF through the pump outlet. |
| **Bluetooth variable speed pump** | Pairs the compatible pump where supported and configures available speeds. |
| **Pump Speeds** | Configure the speed settings to suit everyday filtration, low-output operation and priming behaviour..Refer to the pump manual for further information. |
| **Priming Time** | Set priming time to suit the pool hydraulic requirements. |
| **Pump Flow Check** | Enable to prevent pump running dry. **NOTE:** It is recommended to always be ON. |

### 3.3.5 Temperature Sensor and Cold Water Protect

When the water temperature sensor is fitted and enabled, the Solo chlorinator can display water temperature and use Cold Water Protect logic. Cold Water Protect reduces chlorinator output as water temperature drops.

**NOTE:** This feature becomes active once the temperature drops to 15°C and lower, helping to avoid unnecessary output during low-demand cold-water conditions.

| • **Settings > Equipment Configuration > Chlorinator > (turn temperature sensor ON or OFF, enter +/- temperature offset, toggle Cold Water Protect ON/OFF).** | |
|---|---|
| **Temperature sensor** | Enable when the wired 10k thermistor-style water temperature sensor is installed. |
| **Temperature offset** | Allows small calibration adjustment if the displayed temperature is out of alignment with a trusted reference reading. See *Figure 8* (screens 3,4). |
| **Cold Water Protect** | Enable cold water protect ,which reduces output as water temperature drops, to protect operation and avoid unnecessary output. See *Figure 8* (screen 3). |

## 3.4 Setting Timers and Seasonal Operations

Once the Solo chlorinator has been configured, set Timers to control when Solo filters and sanitises the pool. See *Figure 11* and *Figure 12*. Each timer can be used for sanitisation or as a pump-only operation.

Timers may overlap. During an overlap, the system combines all equipment requests, uses the highest requested pump speed, and applies the Pool or Spa mode from the timer that started most recently. Equipment remains on while requested by any active timer and switches off only when no active timer requires it. If a conflict were to occur such as a timer expecting to be in “pool” mode and another in “spa” mode, the active timer will be the one that started most recently. These conflicitng timers will be highlighted in the overview.

If there is s an issue, a warning symbol ⚠ will appear and the colour of the timer window will change to orange or red indicating that assistance or a change in setup is required.

**NOTE:** More information can be viewed on the device by pressing the “?” icon.

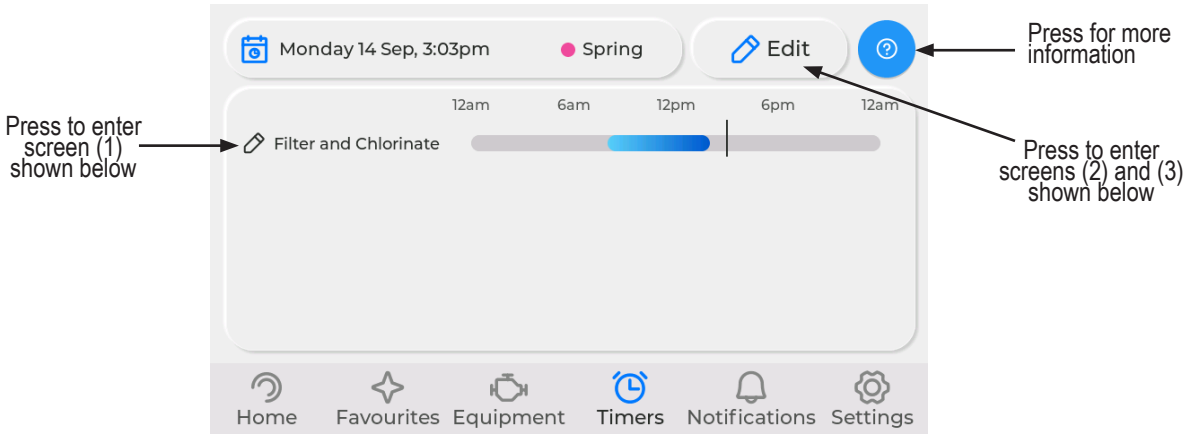
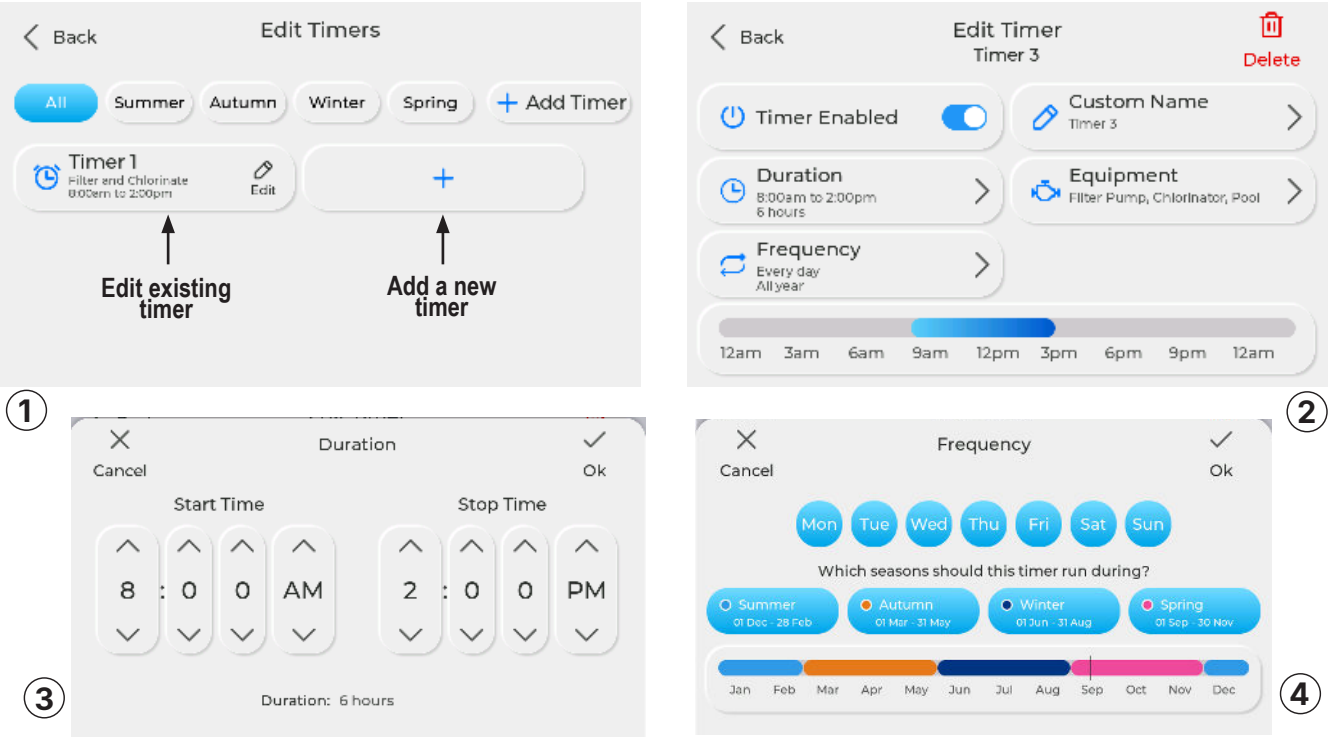



**Figure 11. Main Timer Screen**

### 3.4.1 Creating and Editing a Timer




| | |
|---|---|
| • **Timers > Edit (screen 1) > + to create a new timer (screen 2) > (turn timer ON/OFF, add a custom timer name, set the duration, select the filter and chlorination equipment, set the frequency and season.** | |
| **Duration (see *Figure 12* screen 3)** | Select how long this operation should last (**AM and PM applies**) |
| **Equipment**<br>**See *Section 3.3.3, Filter Pump Configuration*** | Select whether the timer should run the filter pump and chlorinator. If longer filtration is required without chlorination, use pump-only operation.<br>**Special Note:** The filter pump can operate independently from the chlorinator. If a longer filtration time is desired, uncheck the chlorinator box. This will prevent chlorination during this time. Additionally, chlorination **CANNOT** happen unless the filter pump is running. |
| **Frequency (see *Figure 12* screen 4)** | Select the days and seasons you want this timer to operate in this behaviour.<br>See *Section 3.4.2, Seasons* for more information. |

**Figure 12. Timer Setting and Editing Screen**

### 3.4.2 Seasons

Seasonal operation lets the owner adjust timers for different parts of the year without rebuilding the pool schedule each time. This is useful in regions where summer and winter swimming patterns are very different, and allows the system to be customised to suit the individual needs of the pool owner. See *Figure 13*.

- **Settings > Date & Time > Timer Seasons (set Summer, Autumn, Winter and Spring (1) start dates (2) - press Save for each)**

1. In the timer settings: Assign the relevant season for the operation of the equipment and, simply press the season to toggle it ON/OFF to suit. See *Section 3.4.1, Creating and Editing a Timer* for more information.
2. Review the timer overview to confirm which timers are active for the current season.
3. Note that the timer screen will show the seasons and days selected in blue for the selected timer. See *Figure 12*.

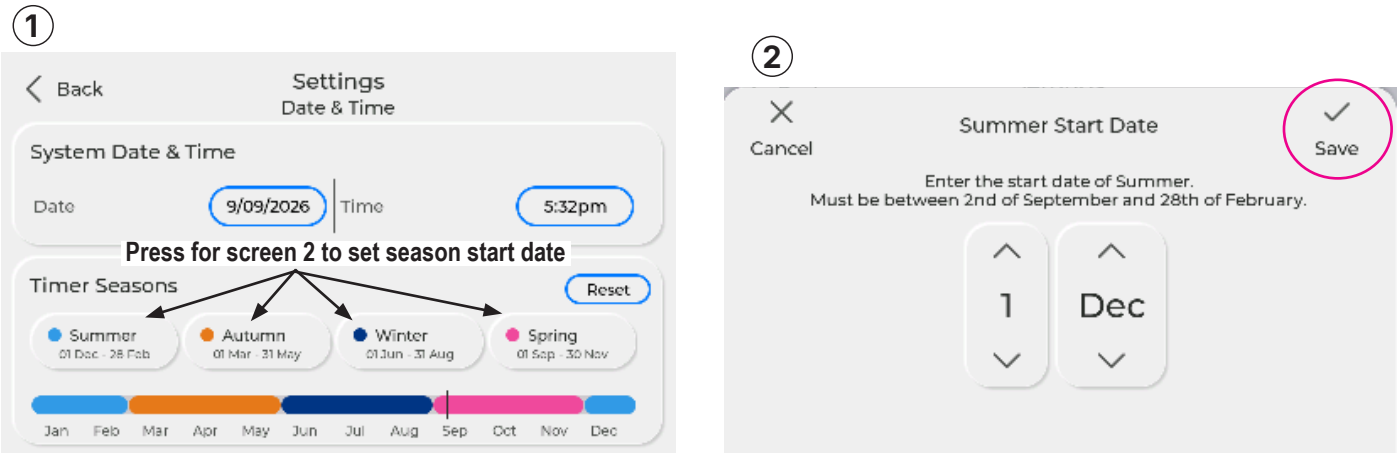
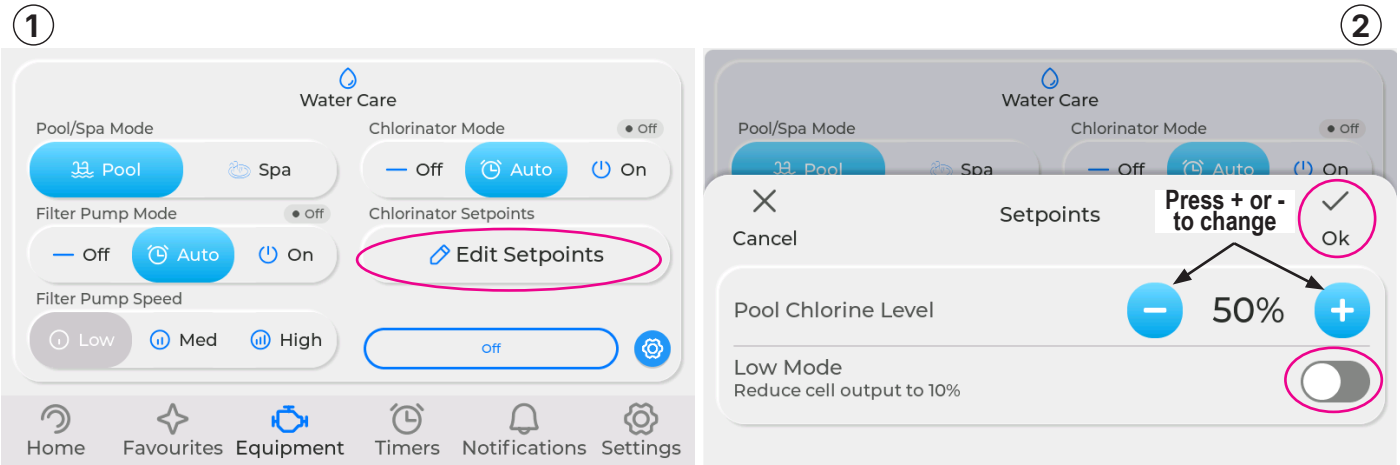



**Figure 13. Season Setting Screens**

## 3.5 Equipment

The Equipment menu shows the Solo chlorinator functions that can be controlled directly. Solo features a simple watercare-focused equipment view.




| | |
|---|---|
| • **Equipment > Water Care > (set pool/spa/chlorinator modes, select filter pump speed and chlorination set point). Read details below.** | |
| **Water Care**<br>**See *Figure 14* screens 1 and 2** | Directly control the filter pump or chlorinator, including pump speeds (with compatible Bluetooth paired varible-speed pump), chlorinator set points and setting the selected device into **ON/OFF/AUTO** mode.<br>Press **Edit Set Points** to access the chlorine output (0 – 100%) and Low mode.<br>**NOTE:** If Low mode is selected, it will stay in this mode until the user changes the setting. This mode is ideal if a pool cover is being used. |
| **Filter pump** | Allows manual pump operation, pump-only operation and speed selection when supported by the configured pump type. |
| **Chlorinator** | Allows output adjustment and review of current chlorination state. |

**Figure 14. Equipment Setting and Control Screen**

## 3.6 Favourites

Favourites provide one-touch control of common Solo use cases. A favourite can switch the pool or spa into a chosen operating state, change pump mode, and select whether the chlorinator should operate. A maximum of 4 Favourites can be configured

**Activate Favourite** (See *Figure 15* and *Figure 16*)

- **Settings > Favourites > + (add device) > Custom Name (3 - type in name and save) > Custom Icon (4- select and save) > (choose equipment type) > (follow pairing, wiring or parameter prompts to configure equipment)**

**Edit Favourite** (See *Figure 15 screen 2* and *Figure 16*))

- **Settings > Favourites > Edit > (5- choose equipment type) > (follow pairing, wiring or parameter prompts to configure equipment)**

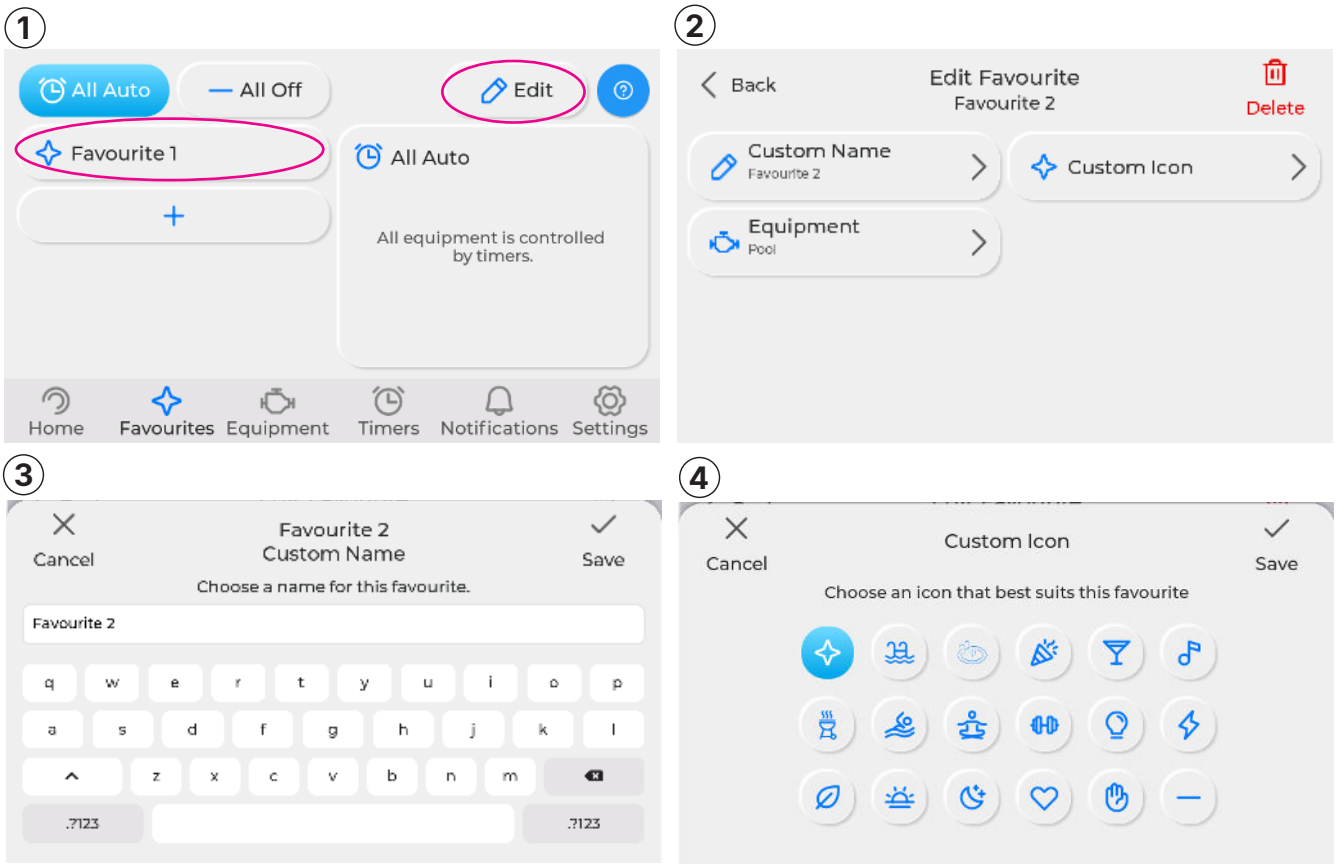



**Figure 15. Favourites Adding and Editing Screens with Custom Names and Icons**

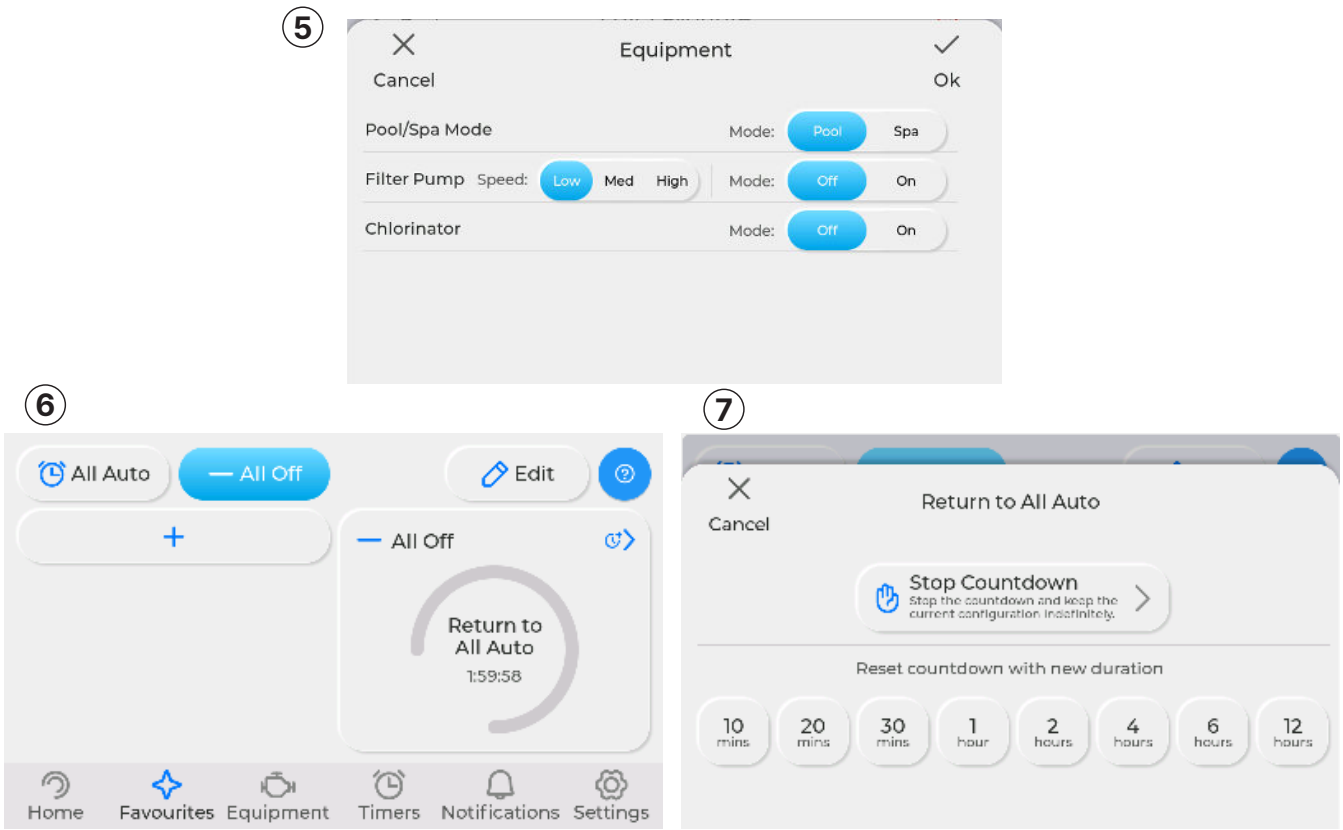



**Figure 16. Favourites Equipment Screens**

**NOTE:** Once a favourite is operating, it has a default time of 2 hours before the system reverts back to “All Auto”.

However this can be changed by pressing the large Favourite tile in this setting. A selection now appears of between 10 minutes and 12 hours to suit the desired operation. The favourite can also be stopped immediately here by pressing ‘Stop Countdown’ which will halt the selected favourite from operating and revert back to previous mode. See *Figure 16* (screens 6,7).

## 3.7 Settings Menu

The Settings menu provides access to product information, date and time, equipment configuration, maintenance features, connectivity, software updates and notifications.

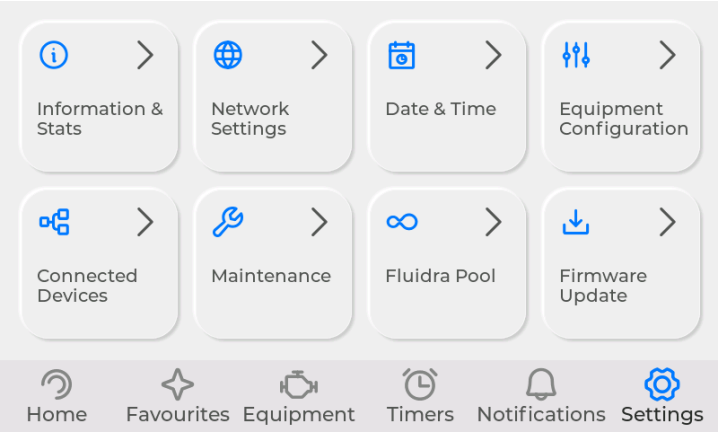



**Figure 17. Settings Main Screen**

### 3.7.1 Info and Stats

Info and Stats shows device-level information that may assist the owner, dealer or service technician.

- Model and serial information.
- Power board and user panel firmware versions.
- Cell run hours and reversal count.
- Power pack run hours.
- Recent operating history, including run times, cell output settings, and pump status where available.
- Network, Bluetooth and cloud connection state where available.

### 3.7.2 Network settings

Network settings allows the user to connect the device to the internet. This is highly recommended as it keeps the device up to date with any new features. All updates are downloaded during the approved overnight update window when Solo is connected. To connect to the home internet, press **Settings > Network Settings > Configure WiFi**, find the correct SSID and follow the prompts to set up the system.

### 3.7.3 Date, Time and Season Adjustment

Correct date and time are required for timers, seasons, event history, and automatic behaviour. Date and time may be set manually or updated through the FluidraPool app where supported.

- Set local time and date during installation.
- Use season adjustment to align timers with local swimming patterns, climate, and daylight saving changes.
- Review season start and finish dates at the beginning of each swimming season.

### 3.7.4 Equipment Configuration

Equipment Configuration is to adjust Solo's built-in water-care functions and supported pump configuration.

| Device | Key Settings |
|---|---|
| **Chlorinator** | Cell model, output level, salt/mineral mode, reversal period, cold water protect and salinity estimate settings. |
| **Pool/Spa** | Pool only, spa only or pool/spa mode, water volumes and related operating behaviour. |
| **Filter pump** | Pump type, speeds, priming, pump-only operation and interlocks where supported. |

## 3.8 Maintenance

Maintenance functions are designed for short-term manual tasks. Some maintenance actions require the owner or technician to be physically present at the equipment.

| Feature | Purpose |
|---|---|
| **Boost** | Runs sanitisation at 100 percent output for an adjustable period (between 1 to 48 hours), then returns to automatic operation. It can be aborted at any time during the cycle. |
| **Filter** | Runs the filter pump for a selected period (between 1 to 48 hours) without producing chlorine. It is useful for circulation, startup, adding salt or water balancing. It can be aborted at any time during the cycle. |
| **Backwash** | Runs a backwash cycle, which runs the pump for selected period of time (between 1 to 15 minutes). It can be aborted at any time during the cycle. For reference, refer to your filter manual for additional information on conducting a backwash. |

# Section 4. FluidraPool App, Solo Firmware and System Status

## 4.1 Connect to the App

This section explains how to download the FluidraPool app, create or access your account, create your pool, and add your first connected device by scanning the QR code on the touchscreen. See *Section 4.1.3, Add a device using the QR code* for more information.

### 4.1.1 Download the FluidraPool app

To start using your connected pool equipment, download the FluidraPool app on your mobile phone.

**Steps:**

1. Open the App Store if you use an iPhone, or Google Play if you use an Android phone.
2. Search for “FluidraPool”.
3. Select the FluidraPool app.
4. Tap Install or Get.
5. Once the installation is complete, open the app.

### 4.1.2 Sign up or sign in

When you open the FluidraPool app for the first time, you need to access your account.

**If you already have an account:**

1. Tap Sign in.
2. Enter your email address and password.
3. Tap Sign in to access the app.

**If you do not have an account yet:**

1. Tap Sign up.
2. Enter the required personal information.
3. Create a password.
4. Accept the Terms and Conditions and Privacy Policy.
5. Check your email inbox and open the confirmation email.
6. Enter the verification code provided in the email.
7. Confirm the account creation in the app.
8. Sign in with your new account.

After signing in, the app will invite you to either create a new pool or add an existing pool shared with you.

1. If you want to create a new pool:
2. Tap Create pool.
3. Enter the pool name.
4. Complete the requested pool information, such as:
   - Pool type

- Pool dimensions
- Construction year
- Water treatment type
- Disinfection method
- pH regulation type

5. Review the information entered.
6. Tap Save or Continue.

Once the pool is created or added to your account, it will appear in the My Pool dashboard. This dashboard provides an overview of the pool status and shows relevant information depending on the connected equipment installed.

### 4.1.3 Add a device using the QR code

After creating your pool, you can add connected equipment to the FluidraPool app.

Before starting, make sure that:

- The product is installed and powered on.
- Your mobile phone has internet connection.
- Bluetooth is enabled if requested by the app.
- You are at the Echo Chlorinator during the pairing process.

**Steps:**

1. Go to the Settings section in the bottom menu.
2. Tap FluidraPool.
3. This will reveal the QR code required to scan via the FluidraPool app.
4. Open the FluidraPool app and go to **Equipment > Add Equipment**.
5. Point the camera at the QR code on the screen.
6. Wait until the app detects the QR code.
7. Follow the instructions displayed on the screen.
8. Complete the provisioning process.
9. When the device is successfully added, it will appear in the Equipment list.

After the device is added, you can open its dedicated dashboard from the Equipment section,where all of the equipment now connected to your Echo chlorinator (i.e. lights, heater, watercare, etc.) and any settings just configured through the FluidraPool App will now show.

### 4.1.4 If the QR code cannot be scanned

If the app cannot scan the QR code, try the following actions:

- Make sure the QR code is clean and not damaged.
- Improve the lighting conditions.
- Move the phone closer or further away from the QR code.
- Check that the camera lens is clean.
- Restart the app and try again.

### 4.1.5 Setup completed

Once the device has been added, the FluidraPool app can start showing equipment information, alerts, and recommendations depending on the product connected.

## 4.2 Firmware Updates

The Solo chlorinator is designed to update firmware automatically when updates are available and the device is connected to the internet. The update screen also shows device-level software versions for the power board and user panel where applicable.

- Keep Solo connected to Wi-Fi to receive available updates.
- Do not switch off power during an active firmware update unless instructed by the product or support team.
- Use Info and Stats to view firmware versions when speaking with technical support.
- After an update, review timers, favourites and connected equipment if it is recommended in the update notes.

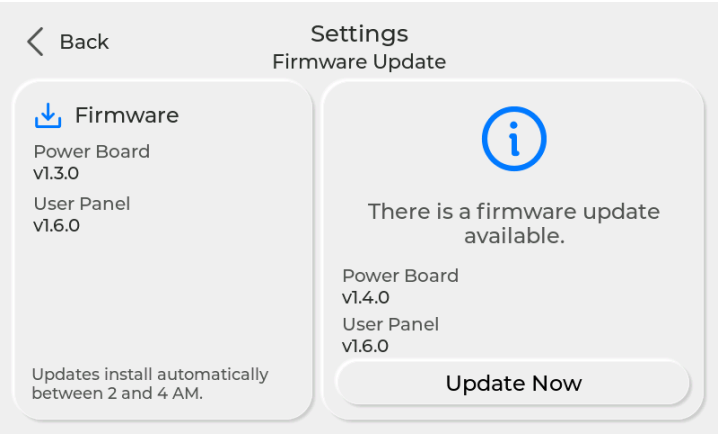
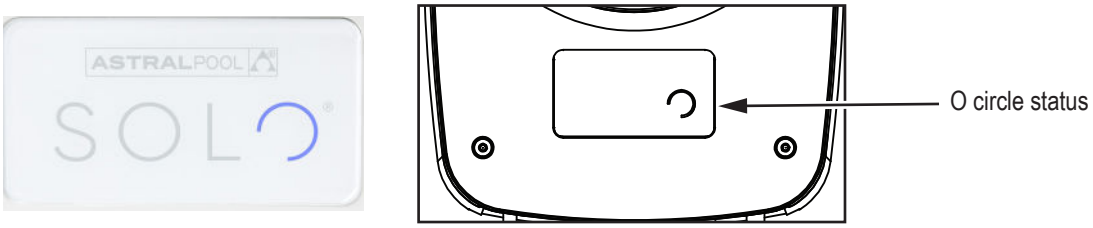



**Figure 18. Firmware Update Screen**

## 4.3 Notifications and LED Status

Notifications alert the owner to issues that require acknowledgement, correction or service attention. The Solo status O (circle) provides a quick visual cue without needing to open the app or walk through menus.



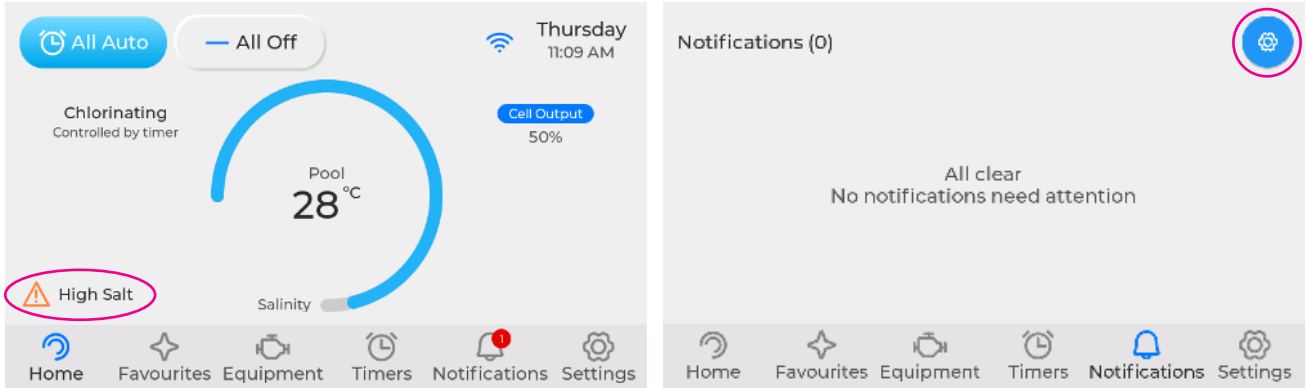




**Figure 19. Notification Screen**

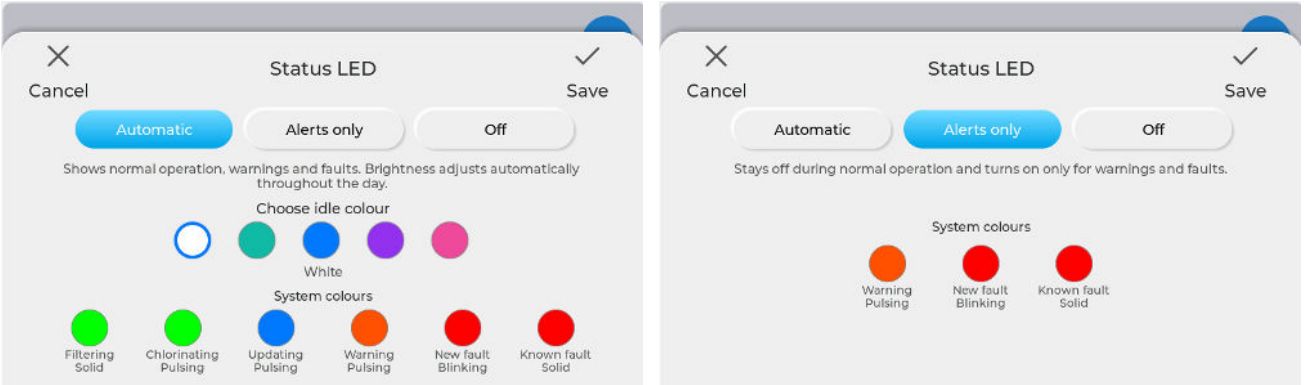



**Figure 20. Status LED Settings Screens**

## 4.4 Notification Types

| Notification Level | Owner Action |
|---|---|
| **Information** | General status message. Acknowledge if required. |
| **Attention** | An operating condition needs correction (e.g., low salt, no flow, pump issue or timer conflict). |
| **Update** | Software update available, update in progress, or update completed. |

## 4.5 Backlit Product Badge LED Status

The stylized O (circle) on the external product badge changes colours depending on the product status. See the badge image in *Figure 17*. In the notifications settings, these alerts can be changed to suit the user needs. Press the Settings icon in the top right corner of the screen to access. See the circled icon in *Figure 19*.

Automatic operation features a full spectrum of colours with their definitions shown below. The user can select a desired 'idle colour' from a small selection (system default is white). The alert colors indicate the system-assigned colours with definitions for status notifications.

There are 3 selections: 1) Automatic shows the user all notifications in normal operation, 2) Displays notification only when there is an alert, or 3) No notifications (user must change to turn ON again).

| LED State | Meaning |
|---|---|
| **Green: solid/pulsing** | Normal operation. Solo is operating without active warnings, filtering and/or chlorinating |
| **Orange/Red: Solid/pulsing** | Attention required. Open Notifications to review and correct the issue. |

# Section 5. Regular Maintenance

Regular maintenance keeps the Solo chlorinator operating correctly. Water chemistry should be tested regularly and adjusted according to pool professional advice and the requirements of the pool surface and equipment.

- Maintain the operating salinity at the ideal level of 4000 ppm (at 25° C).
- Inspect the cell periodically and clean only according to approved cell cleaning instructions.
  - When cleaning the electrode, it is imperative that the following steps are carried out:
    - Remove and inspect the electrode for any calcium deposits;
    - If build up is present, place the electrode in cleaning solution. **DO NOT** immerse the terminals and always use recommended cleaning solution;
    - Allow 10 mins for cleaning solution to work, then brush off any excess deposits. **DO NOT** use any metal object to clean the electrode plates.
    - Rinse under water and install the electrode back into the cell housing.
- Check pump, filter and flow performance if Solo reports low flow or reduced output.
- Review timer settings at the start of summer and winter.
- Keep the area around the controller clean and free from insect nests, debris, and chemical fumes.

| Timing | Maintenance Check | Service Action If Required |
|---|---|---|
| **Weekly or sooner** | Check Cell for calcium buildup | Soak electrode in mixture of 10 parts water to 1 part acid. Use a soft brush only if required. |
| | Check water chemistry | Balance pH in pool and adjust output of unit to ensure satisfactory production of chlorine. |
| | Check cable connections to Cell | Ensure no water contact is occurring with pins. |
| **Every Three Months** | Check Cell connections for leaks | Isolate Pump, turn power off, clean and grease O rings or replace if necessary |
| | Check for insects/ants | Spray a surface insecticide on the surfaces around the unit to prevent ant and insect ingress |
| **Every Six Months** | Check chlorine levels and pump operating hours | Adjust timer and output depending on demand for current season. |
| | Prevent insect ingress to controller | Turn controller off, use an insect spray and spray onto walls around controller. Do not spay directly into unit. |

# Section 6. Troubleshooting

| Symptom | Possible Cause | Suggested Action |
|---|---|---|
| **Low salt warning** | Salt below range, cold water effect or salinity estimate affected by temperature. | Test salt level independently. Add salt only if confirmed low. Check temperature sensor if fitted. |
| **No flow / no chlorine production** | Pump off, blocked filter, closed valve, air in system, or flow switch condition. | Check pump operation, filter condition, valves, and water level. |
| **Water temperature not displayed** | Temperature sensor not fitted, not enabled, disconnected, or pump not running. | Check sensor connection, enable temperature sensor in settings and confirm water is circulating. |
| **Variable speed pump not responding** | Pump not paired, out of Bluetooth range, or pump type not configured correctly. | Recheck pairing, distance and pump configuration. Refer to the pump manual. |
| **FluidraPool cannot connect** | Bluetooth permissions, Wi-Fi credentials, router setting, or remote server unavailable. | Enable Bluetooth and required permissions, check Wi-Fi, test internet connection and retry pairing. |
| **Timer did not run** | Timer inactive, season date range not active, or function removed from timer. | Check timer status, season assignment, date/time and Solo configuration. |
| **Firmware update not completing** | Internet connection interrupted, or power was interrupted. | Restore Wi-Fi, keep power on and contact support if the update remains incomplete. |
| **Cell scaling or reduced output** | High calcium hardness, water balance issue, low salt, cold water, or cell requiring cleaning. | Test and balance water, inspect the cell and clean only according to approved instructions. |

| | |
|---|---|
| WARRANTY REGISTRATION | Record your equipment details here for quick reference:<br>Model No. : _____<br>Serial No. : _____ |
| | AUSTRALIA WARRANTY:<br>For full warranty terms and conditions and to register your warranty, visit *www.astralpool.com.au/warranty* and complete your details.<br>◀ Or scan the QR code to go directly to the registration page. |
| | NEW ZEALAND WARRANTY:<br>For full warranty terms and conditions and to register your warranty, visit *www.astralpool.co.nz/warranty* and complete your details.<br>◀ Or scan the QR code to go directly to the registration page. |

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