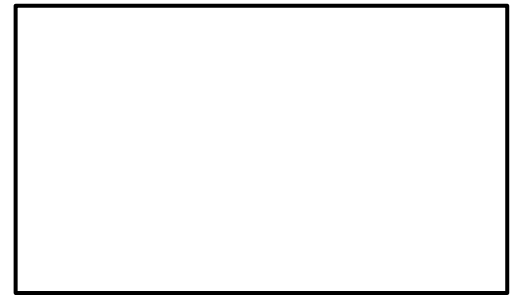




AQUALIGHT

MANUAL

Introduction



The Aqualight is a Wi-Fi based controller that is designed to enable Pool/Spa Lights to be turned On and Off remotely and enables the user to change the colour of the lights, via a phone App. Assorted brands of lights and transformers can be connected to the Aqualight and can be controlled independently.

Installation & Setup

Ideally, as with all pool equipment, the controller should be installed out of direct weather.

- Find a suitable location to mount the control box.
- The controller should be mounted no closer than 3 metres from the water's edge, and at as higher position as practically possible.
- Fix the mounting bracket to a solid structure with the screw and wall plug kit provided. Slide the controller on, locking it into place. Adjust the screws on the back of unit to ensure a snug fit.
- To remove unit, lift the controller and gently pull away from the mounting bracket.

Do Not turn the power on to the Aqualight Controller until all the following criteria has been met.

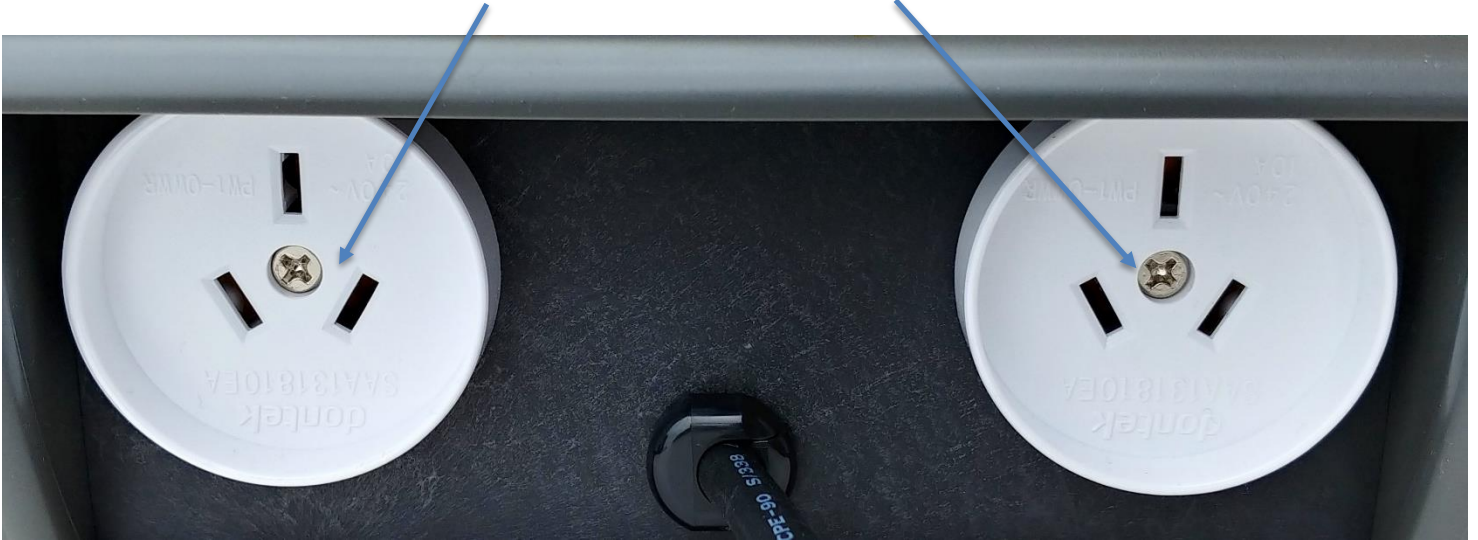
- Pool lights have been installed as per the manufacturer's instructions.
- The light transformer/s has been plugged into the Aqualight.

Setup

BASE PLATE:

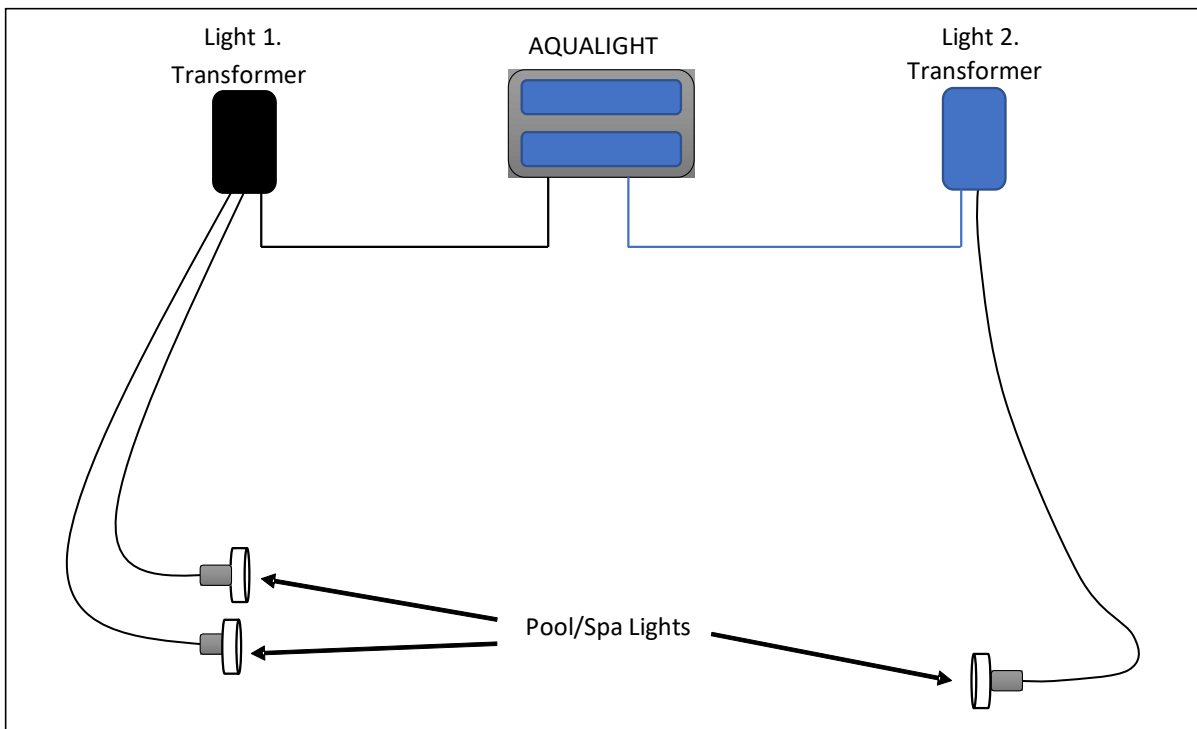
Light Outputs for Transformer 1

Light Outputs for Transformer 2



Below is an Example of how the Aqualight could be set up.

Transformer 1 has a power output to run 2 lights, Transformer 2 only has a power output for one light.



Example Setup

Front Panel

Reset Button:



The Reset button on the face of the Aqualight controller has 2 functions.

1. If the Reset button is pressed and held down for 3 seconds [within the first 30 seconds after the Aqualight controller is powered up], then the Wi-Fi configuration will be reset and the controller will forget any previously configured Wi-Fi access points.

Note: This can be used if the controller is moved to another location, a Wi-Fi extender is added, or the Wi-Fi provider has been changed.

2. If the Reset button is pressed and held down for 3 seconds [anytime, after the initial 10 seconds of the controller being powered up], the Aqualight controller will have its factory defaults re-instated, i.e., timers, names, etc.

Light Buttons:



The Light 1 and Light 2 buttons on the face of the Aqualight controller manually control the relevant Light 1 and Light 2 output sockets. Operation depends on the configuration of the Mobile App.

By default, press once to switch the light between On or Off .

If configured as a coloured light then press once to switch the light On or to change to the next colour, once all the colours have cycled the light will switch off, note that switching the light[s] ON or OFF manually will disable the timers, press and hold the relevant light button to return to auto-timer mode.

LEDs:



Wi-Fi LED:

Status	LED
Initial Power on	ON [Red]
Unable to connect to Wi-Fi Access Point [Configuration mode]	Flashing Amber [interval 1 sec]
Connected to Wi-Fi Server	ON [Green]
Connected to Wi-Fi Access Point	Blink Green [interval 2 sec]
Incorrect Wi-Fi password	Slow Blink Red/Amber [interval 5 sec]
Waiting for Wi-Fi configuration	Blink Amber [interval 0.8 sec]
OTA update in progress	Blink Green [interval 0.2 sec]



Output LEDs

Manual On	Green
Timer [Light On]	Green [Slow Flashing]
Manual Off	Off
Timer [Light Off]	Red

Connect the Aqualight to the Wi-Fi network.

App Setup



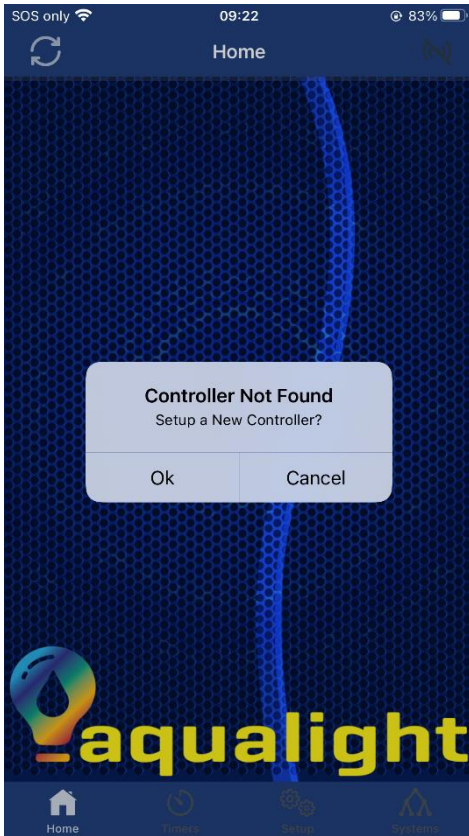
Download the APP prior to installation. Once the App is installed on your phone, open the App and it guide you through the installation as below.

As an alternative you can watch a video of the Wi-Fi setup by scanning the following QR code:

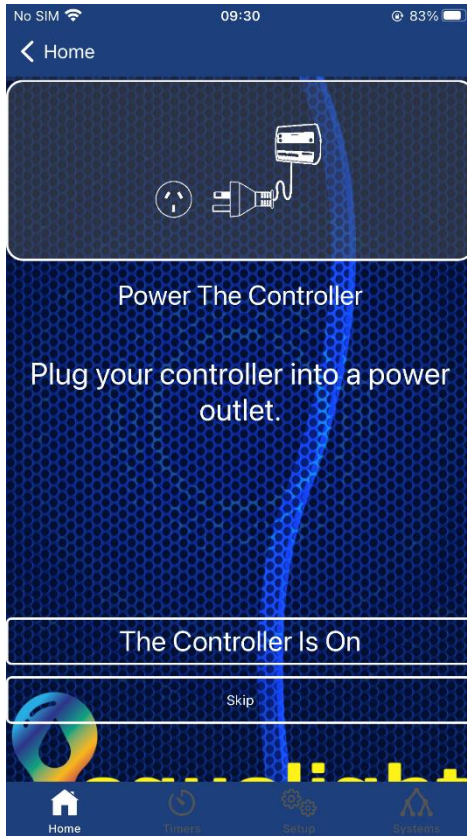


The QR code for the aqualight is located on the back of the Aqualight Controller or on the front page of this Manual.

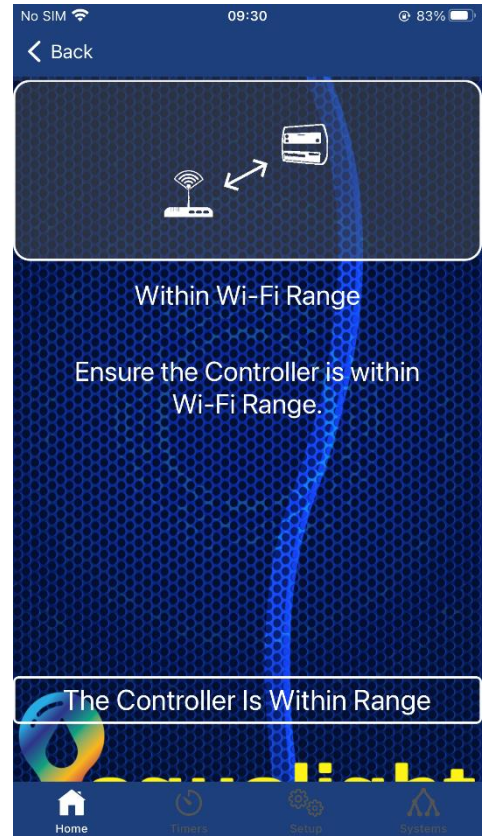
Screenshot guide of Wi-Fi setup (part 1)



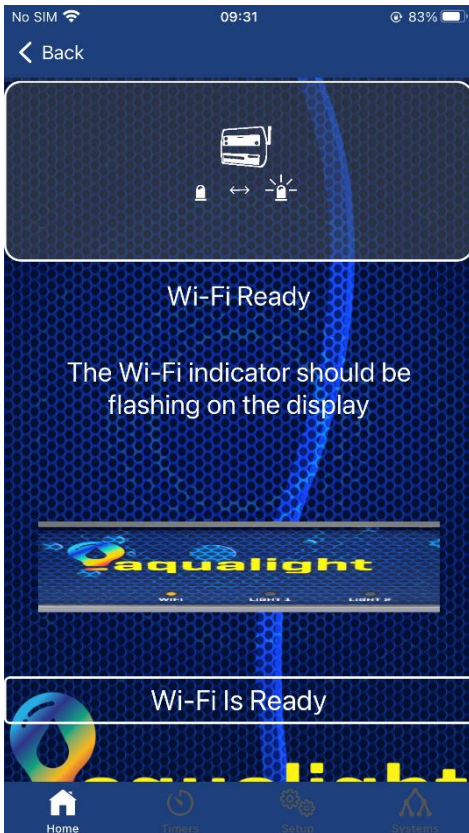
Open App.
Select OK.^{Note1}



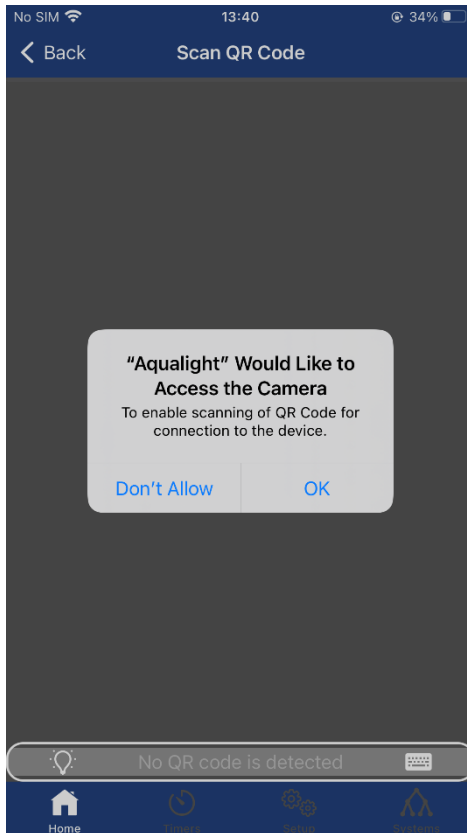
Power the Controller.
Select The Controller is On.



Ensure Controller is near Wi-Fi.
Select The Controller is Within Range.



Check WIFI LED is flashing
amber. Select Wi-Fi is Ready.

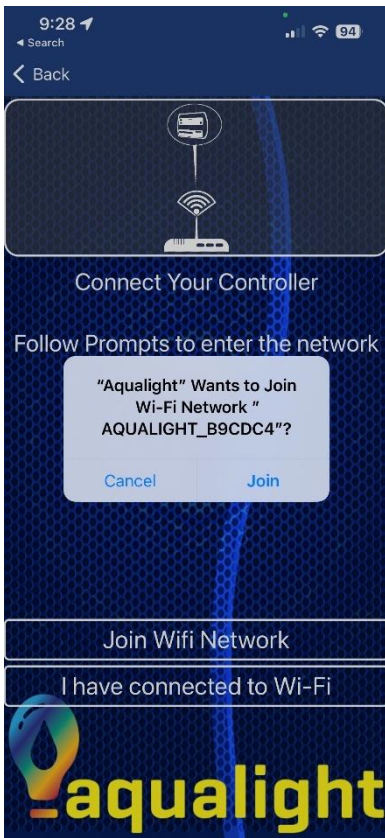


Allow permission for camera if
required (For QR code).

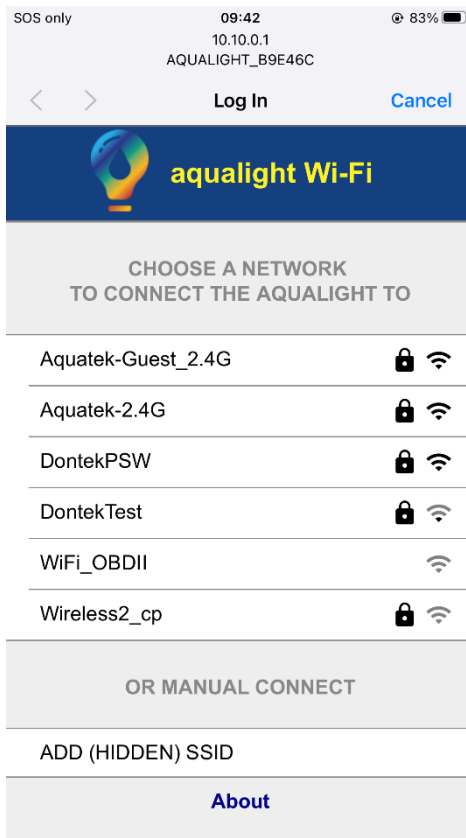


Take photo of the QR code from
the manual or the back of the
unit.

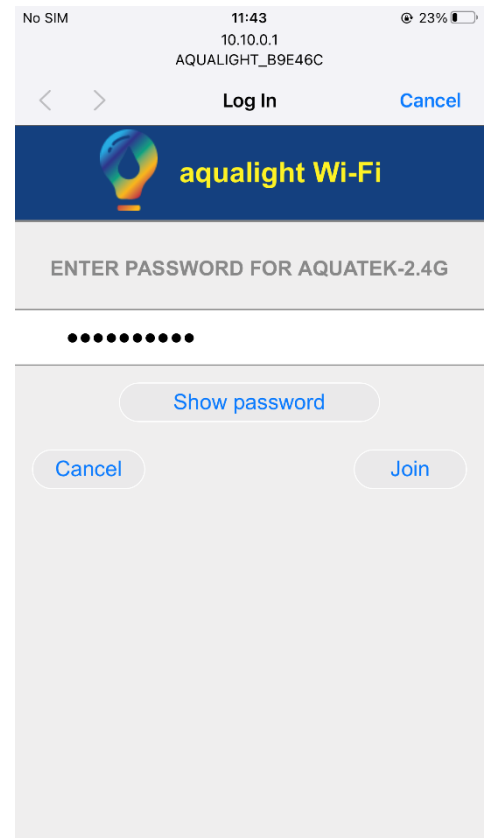
Screenshot guide of Wi-Fi setup (part 2)



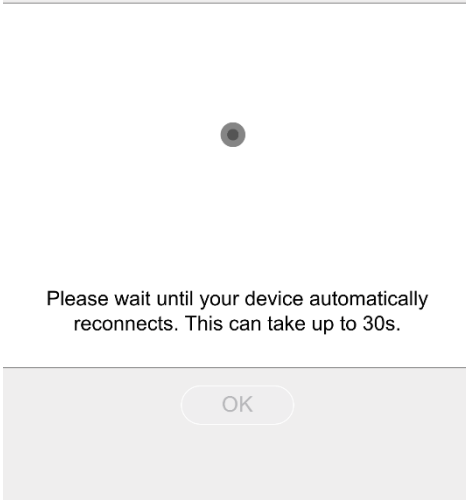
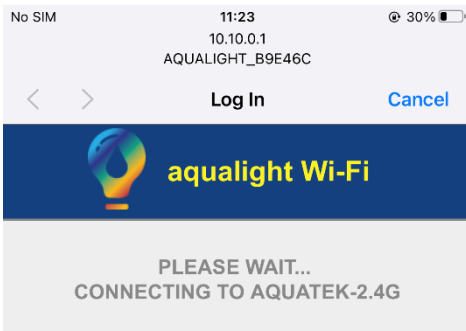
Select Join to allow the [AQUALIGHT_xxxxxx] to join the network ^{Note2}



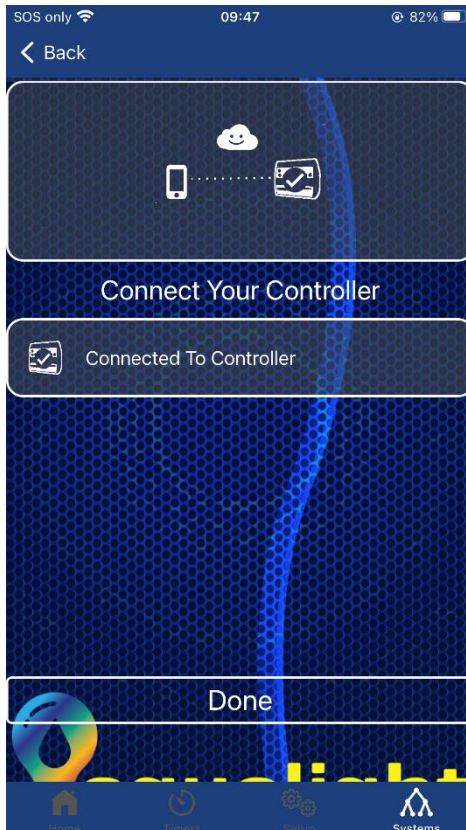
Select your home Wi-Fi from the available networks.



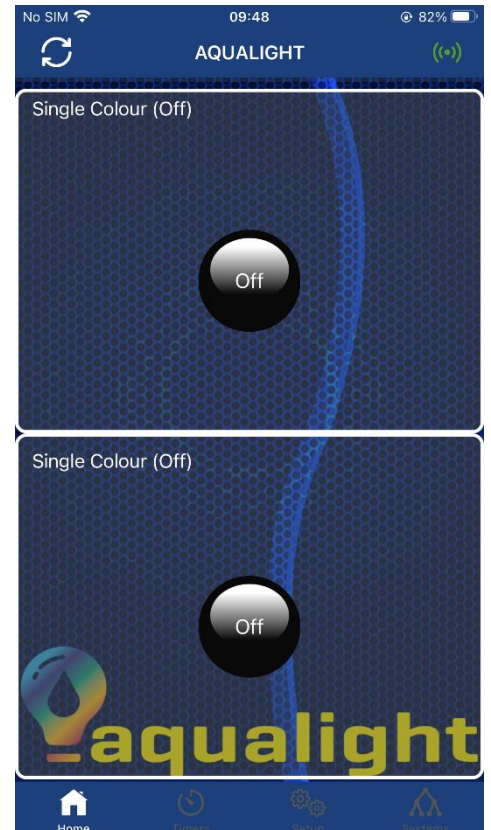
Enter your home Wi-Fi password. Select Join.



Wait to connect to the Wi-Fi router



Wait for the connection to the Aqualight to complete then select Done

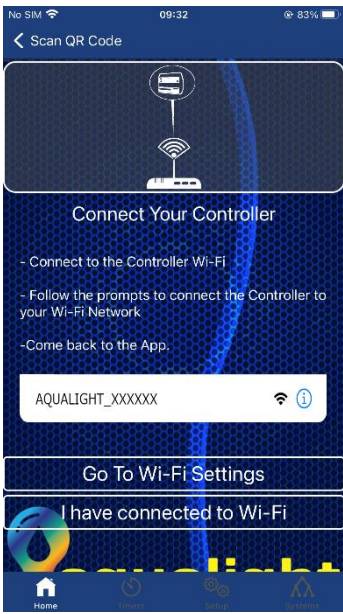
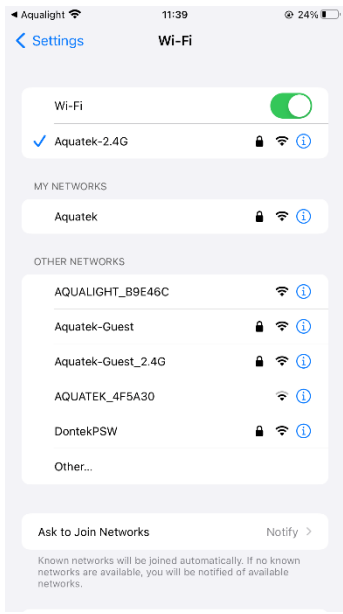
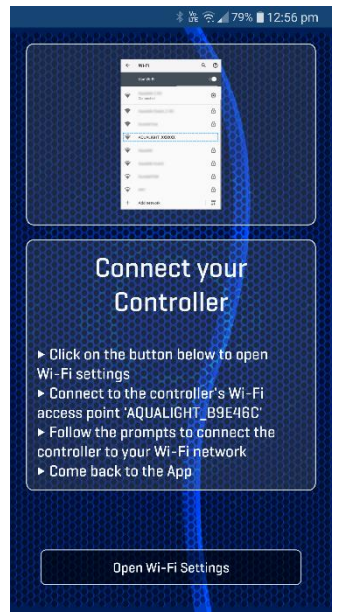
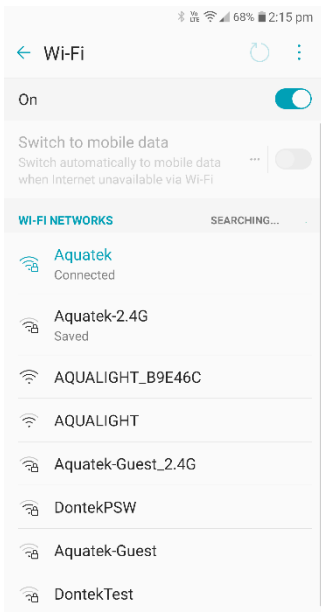


Connected, See App setup to configure lights and timers.

Notes for connection issues.

Note1: If the setup new controller message is not shown, then click the bottom right icon [Systems] and for iPhone add + New, then select "Set Active", for Android Phones select "Add System". You can also try to reset the Wi-Fi settings as described above [Reset button, item 1].

Note2: For older phone operating systems you will need to manually select the connection to AQUALIGHT_XXXXXX, Select "Go To Wi-Fi Settings" and choose the AQUALIGHT_XXXXXX, wait for the connection then resume the connection instructions as described for the additional settings.

			
<p>Select "Go To Wi-Fi Settings" [iPhone]</p>	<p>Select AQUALIGHT_XXXXXX [iPhone]</p>	<p>Select "Open Wi-Fi Settings" [Android]</p>	<p>Select AQUALIGHT_XXXXXX [Android]</p>

If the connection times out you may be offered another method:

		
<p>On time-out, select "Try Another Method"</p>	<p>Enter your Wi-Fi password, note use your 2.4 GHz Wi-Fi network</p>	<p>Click Ok and select "< Back" and the connection should be setup.</p>

APP SETUP

Setup

Once the controller has been connected to the Wi-Fi Network, the rest of the controller setup can be completed through the App.

The first place to start is the Setup Menu.

The QR code can be shared if multiple devices are used to control the same Aqualight.

Scanning a QR code will set the Aqualight setting to the current Wi-Fi connection.

Wi-Fi Connection is for setting the Wi-Fi connection manually.

Installer Menu allows you to set a passcode to hide the light configuration setup, set the passcode and verify the code to hide, repeat to make the settings visible.

Next to Light 1 and Light 2 is where you can select the brand and type of light that is installed.

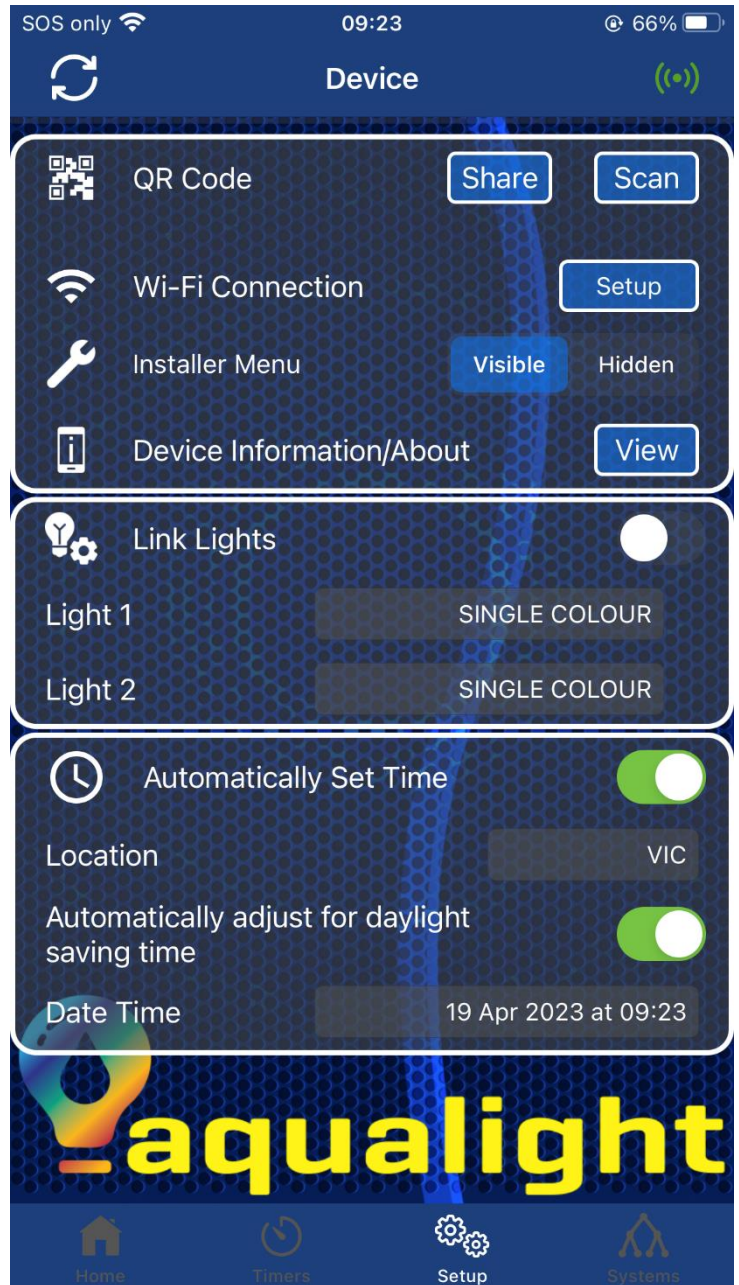
Tap on the wording Single Colour, and a second screen will appear over the top and you can scroll through the list of lights. Select the brand and type that is installed into the Light 1 socket. There is also a Link Lights switch option, that will remove Light 2 selections and timers and the Light 2 outlet socket will operate at the same time as light 1. If unselected then Light 2 is available.

Repeat the above process for Light 2 [if required].

Note: Light 1 and 2 do not have to be the same brand or type of light. I.e., Light 1 could be a Spa Electrics Multi-Plus and Light 2 could be a Mod-Lite, you cannot link different brands of lights.

Also in the Setup option is the ability to set the Date, Time and Location of the Aqualight system.

If you turn on the Automatically Set Time, the controller will continuously update the time and date while it is connected the Wi-Fi network.



The Location of the system can be changed to suit Australian State/Territory that the system is located in. Tap on the current location and scroll through to the relevant State/Territory. This will mean that the controller will automatically update the time to suit the selected location.

The controller can also be set to Automatically adjust for Daylight Saving Time by tapping the button next to the wording.

Timers

In this menu option you can set timers for each of the Lights and Sync the lights to correspond with what is displayed in the App.

When first setting up the Lights you will need to set Light 1 to be On by tapping the On button, then press the Sync button. The Aqualight controller will then begin the Syncing process with the light.

Note: Depending on the type of light this could take a couple of minutes. During the process, the light/s will be turning on & off and changing colours.

When the first light has finished the Syncing process, turn it Off and repeat the process with Light 2 [if fitted or not linked with Light 1].

Each Light can be turned either;

Off – the light is manually off,

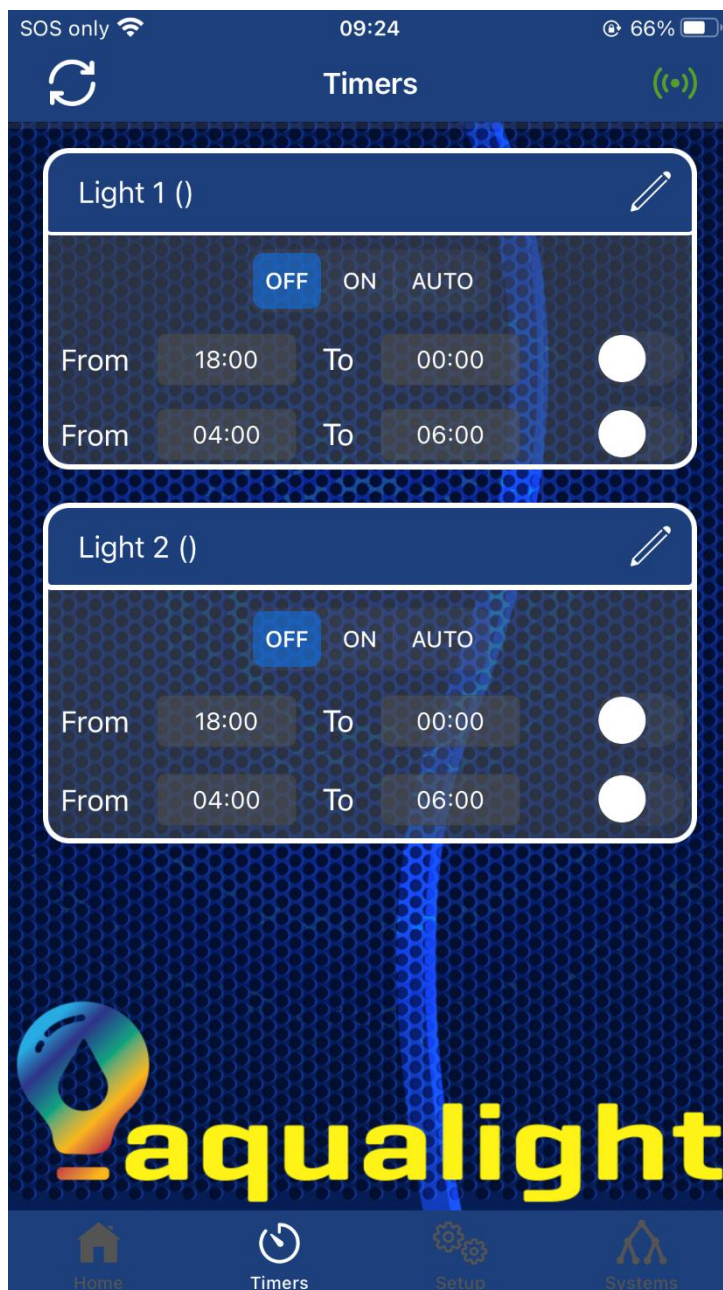
On – the light is manually on and will not turn off until it is turned Off or into Auto, and

Auto – which is when the light will turn on & off depending on the Timer set for it.

Up to 2 times can be set for each of the lights to turn On & Off. Tap on the From: time and adjust to when you want the light to come On and tap the To: to adjust when you would like it to turn Off. You will then also need to tap the button beside the timer to set the Timer as active.

Note: If you do not set the Timer to active, the light will not turn On or Off to the set times.

Note: use 24hr time

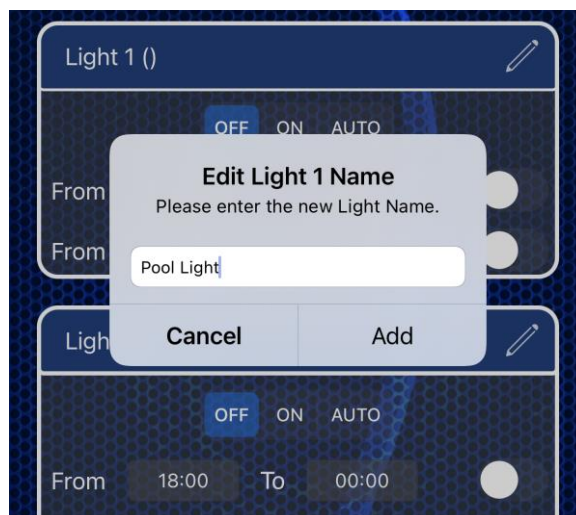


Set Name

The names of Light 1 and Light 2 can be re-named to anything that you like, i.e., Pool Lights, Spa Lights, Deck Lights, etc.

On the far right of the App screen beside Light 1 and Light 2 there is a pencil icon. If you tap on this the screen (pictured right) will be displayed.

You can enter any name that you like, press Confirm and the Light will be displayed as that name on the Home screen of the App.



Home

The Home page of the App displays the Light or Lights connected and which colour they are currently set to display.

Note: In the example shown, the 'Pool Light' is one type/brand and Light 2 is another type/brand.

The centre of the colour wheel, shows what state the light/s is currently in, either; On, Off or Auto.

You can tap on any colour within the colour wheel and the controller will change to the selected colour.

Note: Different brands and types of lights will act differently. Some lights will go straight to the newly selected colour, other lights will go through the entire colour range before getting to the selected colour.

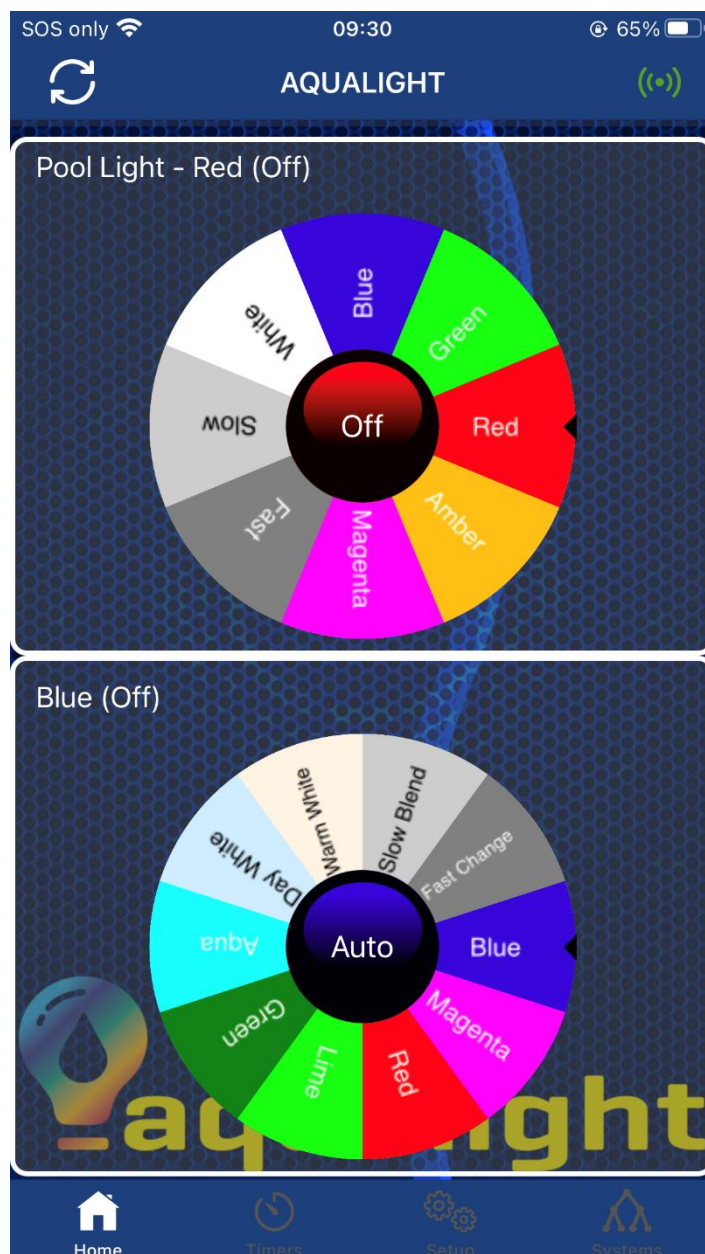
When the light gets to the new selected colour, some lights will turn off for a period before turning back on, others will not.

Documentation: PDF file of the Manual.

A copy of the Manual is available for download and viewing if required.

On an Android phone this is located on the home screen. Simply click on the 3 vertical dots located in the top right-hand corner of the app screen then select About.

On an iPhone, this feature is in the menu option 'Setup', then click on 'Device Information' then 'About'.



Systems

Have access to multiple systems saved in the App.

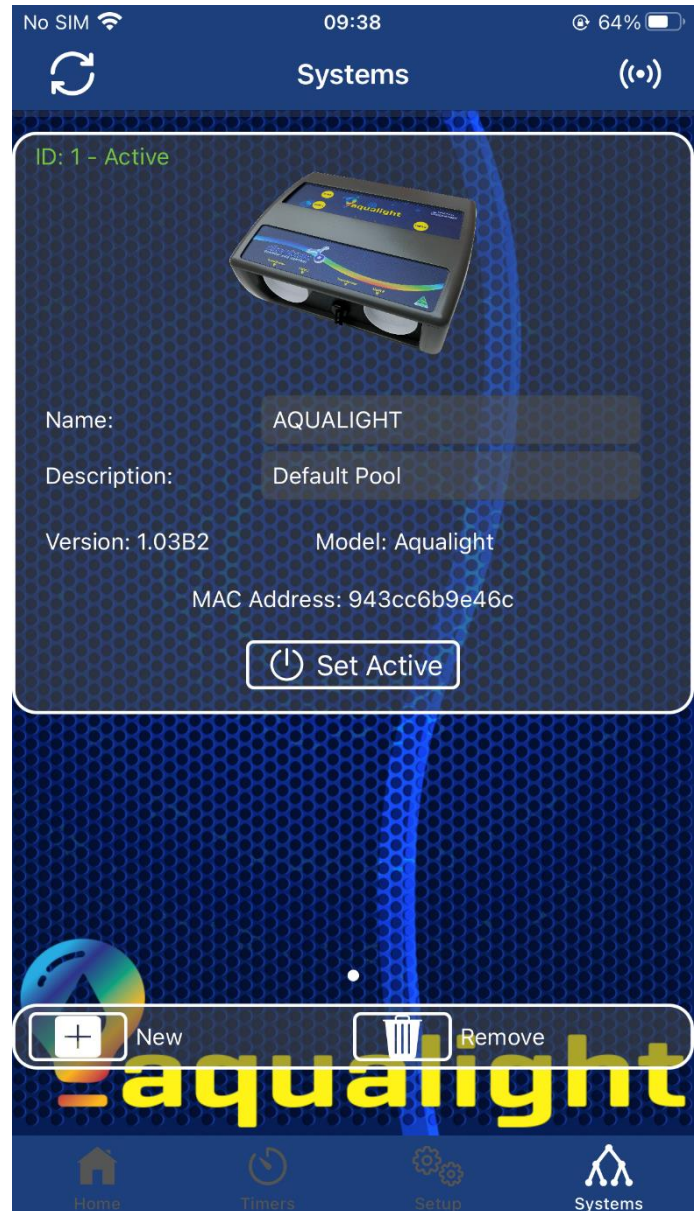
In the menu option [in the App] 'Systems' you can store up to 5 separate Aqualight systems that you have connected with at any stage.

To **Add** a system, open the menu in the App and select 'Systems'. When the next screen opens you will see at the top of the screen there are 3 options; 'Add System', 'Remove System' on the left and on the right, there is 'Set System'.

Select 'Add System' and a QR scanning window will appear and simply scan the QR code [or manually type in the QR code utilising the keyboard] of the controller that you wish to save.

To **Set** a system, you can enter the system by swiping left or right to display the intended system and then press the 'Set System' button. A tick will then appear, indicating that you now have access to the system. Open the App menu and select home to show the now active system.

To **Remove** a system, swipe left or right to highlight the system and press the 'Remove System' button then press OK on the prompt screen that will be displayed. The system does not need to have been 'Set' to be removed, just displayed on the screen when 'Remove System' is selected.



Note for android devices you can press and hold "Add System" and it will add the current configuration to the system list.

NOTES:

1. Should power be interrupted for any reason, the controller will resume normal operation when power is restored.
In the instance that power is lost to the controller, some light brands and types will go out of Sync with what is displayed on the App screen. You will need to go into the Setup menu option, turn the Light On, and press the Sync button on the Light that has gone out of Sync.
2. Degree of protection against moisture: IP33.
3. Store pool chemicals safely, at least 3 metres away from all pool equipment.
4. Make sure that the Transformer/s connected the Aqualight controller can handle the power output required for the number of lights being run.
5. Note: Different brands and types of lights will act differently. Some lights will go straight to the newly selected colour, other lights will go through the entire colour range before getting to the selected colour.
6. When the light gets to the new selected colour, some lights will turn off for a period of time before turning back on, others will immediately display the newly selected colour.
7. MAX combined rated output load for the Aqualight is 9.5 Amps.

WARRANTY

- This range of product is covered by a limited 2-year warranty against component failure or faulty workmanship from the date of installation.
- Faulty units should be returned in the first instance to the dealer from which the unit was purchased. (Return to Base)
- Damage to the unit due to misuse, power surges, corrosion from pool chemical fumes, lightning strikes and or installation that is not in accordance with the manufacturer’s instruction may void the warranty.
- Warranty does not include on-site labour or travel costs to or from installation site.

If the power cord is damaged, do not use the controller. Return the unit to the supplier for repair.

CUSTOMER RECORD (To be retained by the customer)

DEALER/INSTALLER NAME

SERIAL NUMBER

DATE INSTALLED

For service assistance visit www.dontek.com.au

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