# Spa Electrics GKRX Multiplus-LED Variable Voltage Light User Guide

**Spa Electrics GKRX Multiplus-LED Variable Voltage Light**

**Contents**

## READ FIRST

The MULTI-PLUS light has 7 inbuilt modes of operation for use on a variety of different control systems or installation types.

When you first install your MULTI-PLUS light it will operate in the default, **'Manual'** mode for use with a wall switch. see **MANUAL MODE USER INSTRUCTIONS**

When connecting the light to a 3rd party pool controller you will need to change the operating mode of the light, for an expedited setup see **QUICK SETUP** guides for your corresponding pool controller.

If installing MULTI-PLUS lights with legacy Multi Colour and P-Type lights, see **MANUAL MULTI-PLUS SETUP**

## WIRING INFORMATION

**MANUAL MODE OPERATION (SYNCHRONISED POOL & SPA)**
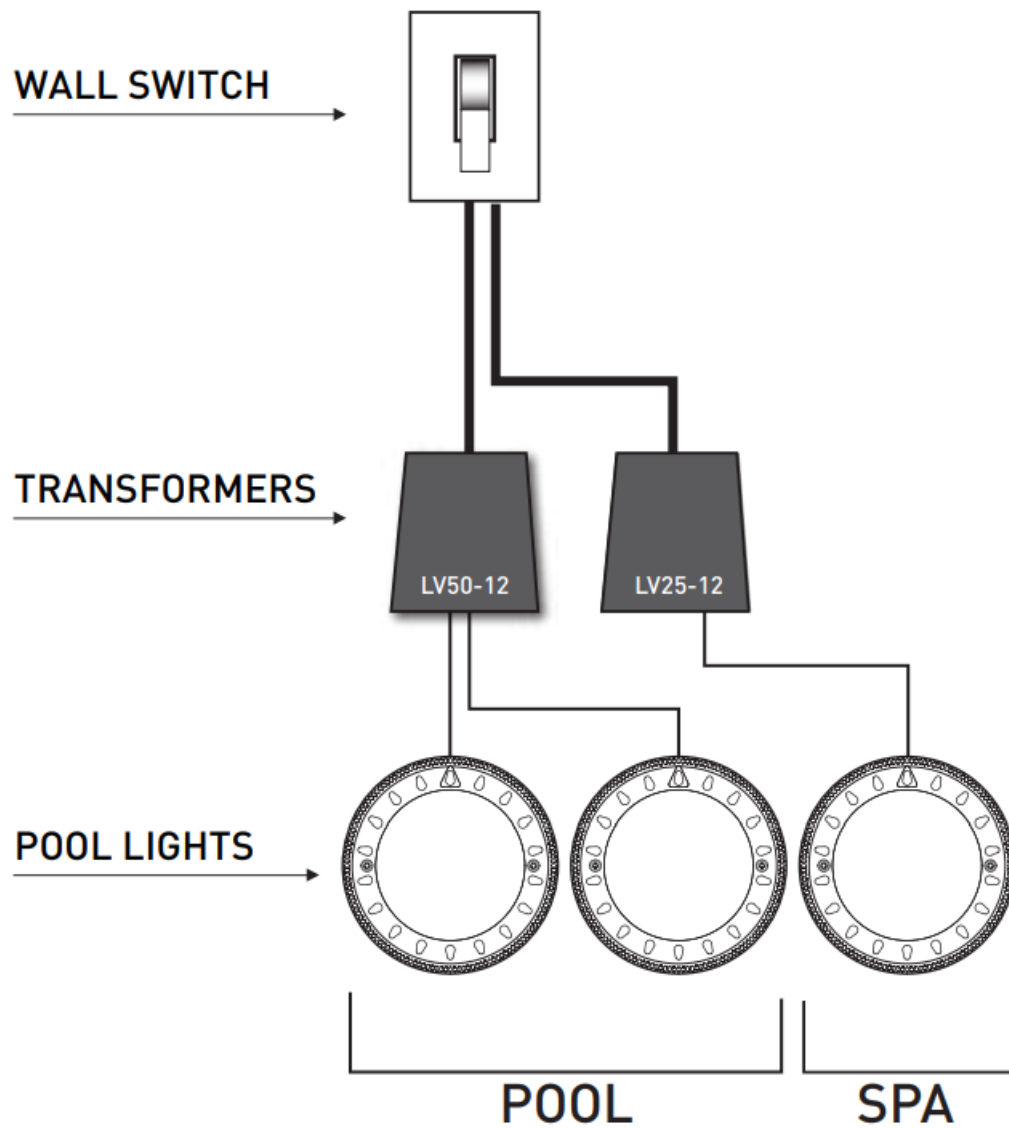
WALL SWITCH →

TRANSFORMERS →

LV50-12    LV25-12

POOL LIGHTS →

POOL    SPA

**SYNCHRONIZED INSTALLATION**
When installing multiple lights, to ensure synchronization and ease of operation ALL Lights must operate from a single switch.

**CONNECTING TO POOL/LIGHTING CONTROLLER**

**CONTROLLER**
- SPA ELECTRICS iRIS
- ASTRAL **CONNECT 10**
- PENTAIR **EASYTOUCH**®
- PENTAIR **INTELLITOUCH**®
- ZODIAC **TRI**®
- **AQUALINK**® RS ONETOUCH™
  (REV R - CURRENT)

**TRANSFORMERS**

LV50-12    LV25-12

**POOL LIGHTS**

POOL    SPA
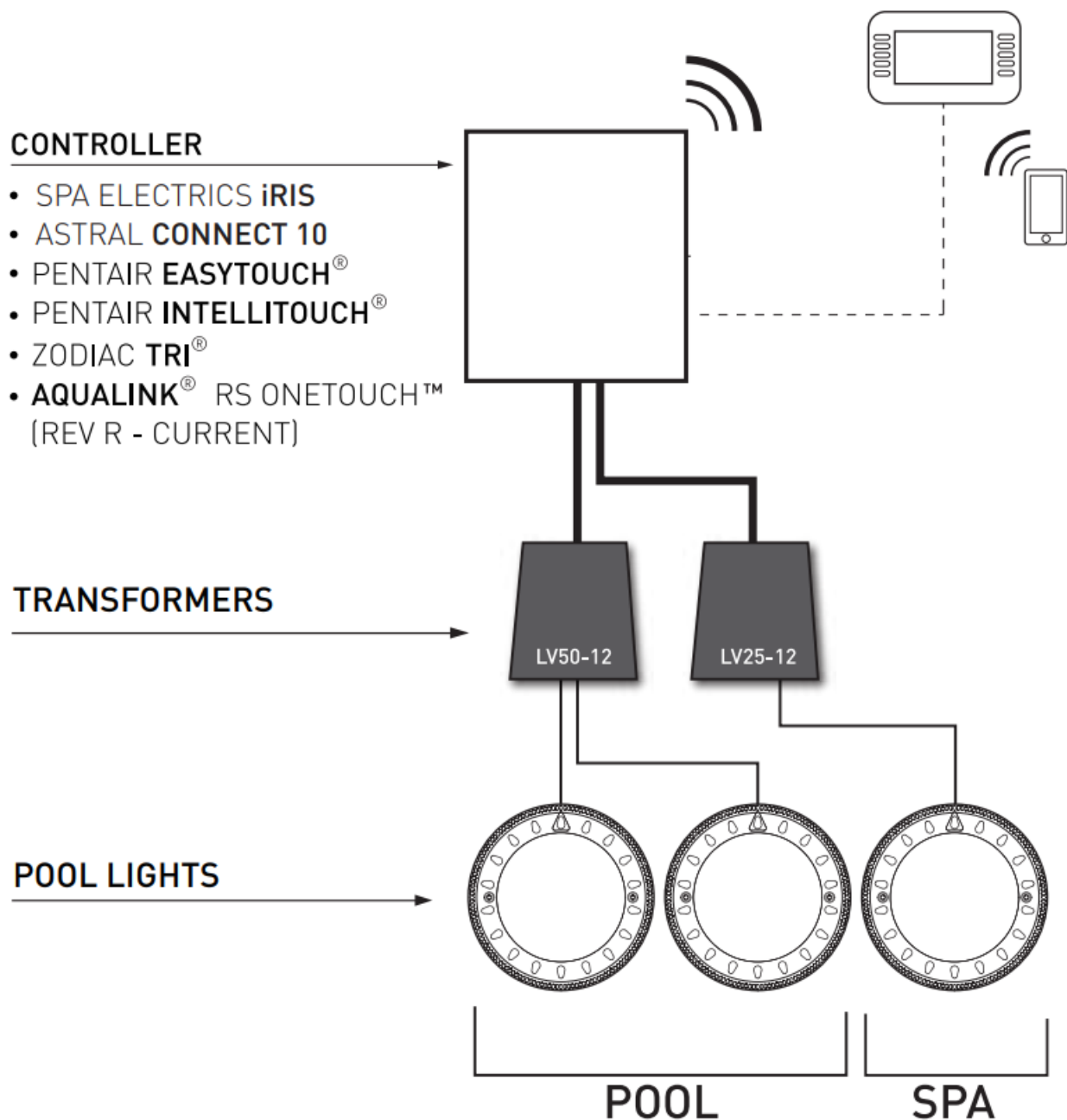
## MANUAL MODE USER INSTRUCTIONS

When installing multiple lights, to ensure synchronization and ease of operation ALL Lights must operate from a single switch.

## OPERATING INSTRUCTIONS

1. To change the color of the light, simply turn your light OFF for 2 seconds and then turn it back ON. This will signal the light to proceed to the next colour in sequence.
   To select a desired colour, simply step through the colours until you find your desired selection.
   **Refer to OPERATING MODE COLOURS for available colours.**
2. Your lights will automatically save your selected colour once the power has been turned OFF for more than **1** minute. So the next time the lights are used, they will illuminate on the last colour operated.
3. To reset or 'synchronize' your lights; with the power turned ON, turn the power **OFF/ON** once rapidly. This will **RESET** your lights to **WHITE**

## SYNCHRONIZED INSTALLATION

When installing multiple lights, to ensure synchronization and ease of operation ALL Lights must operate from a single switch.
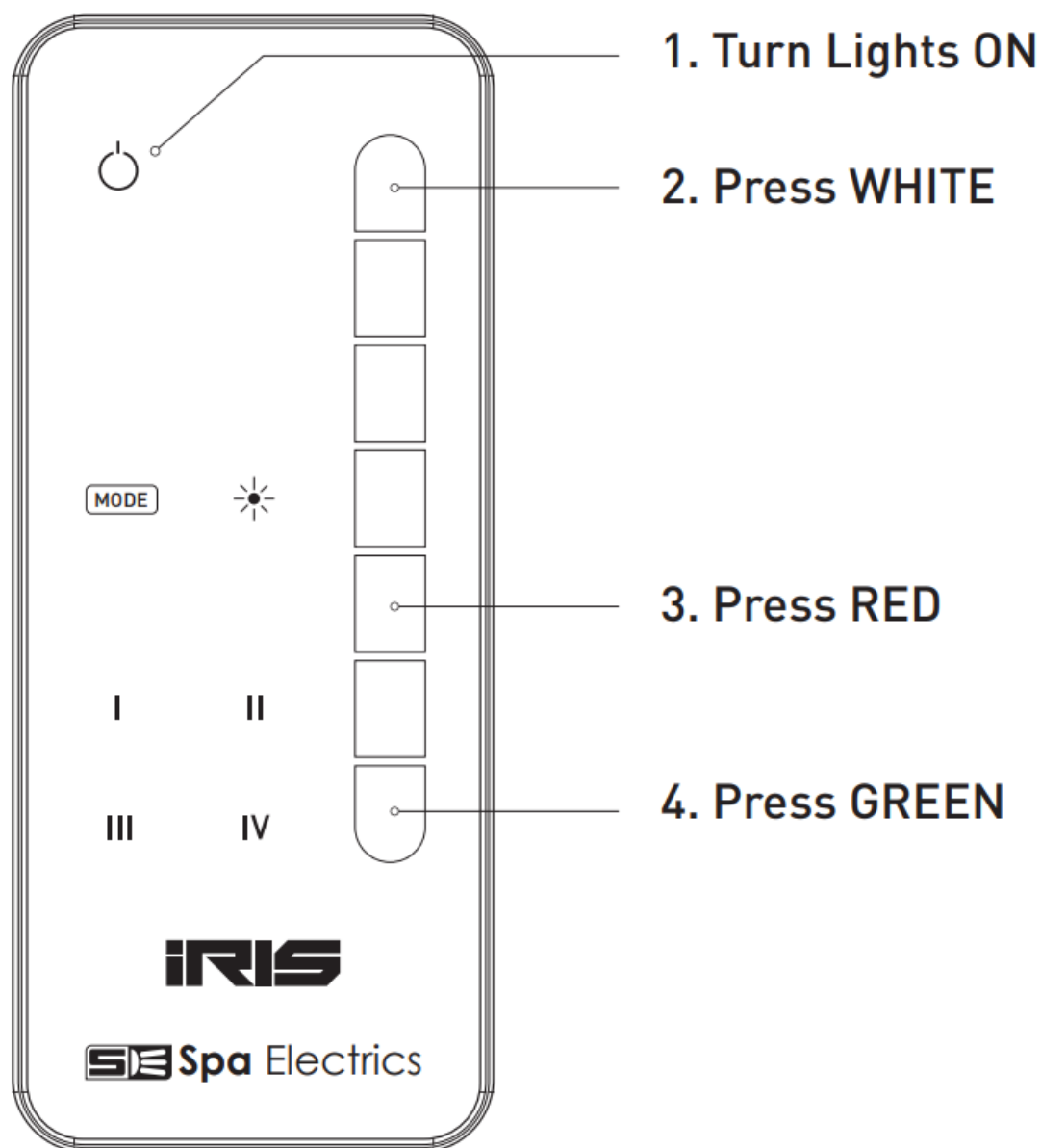
## QUICK SETUP iRIS

1. Turn Lights ON

2. Press WHITE

MODE ☀️

3. Press RED

I    II

III    IV

4. Press GREEN

iRIS

SE Spa Electrics

The iRIS lighting controller has a QUICK SETUP feature to program the MULTI PLUS lights for iRIS operation.

## STEP 1

Ensure the lights have been OFF for a minimum of 30 seconds, then turn the system ON using the iRIS handset.

## STEP 2

Press the following static colours in order with a **1 second** pause between each press.
1. **WHITE**
2. **RED**
3. **GREEN**

If performed correctly, the lights will illuminate GREEN. Confirm correct operation by selecting a different colour using the iRIS handset.

# QUICK SETUP CONNECT 10

**NOTE:** QUICK SETUP – CONNECT 10 is only available with MULTI PLUS lights produced after 21/01/2018 – see "VERSION IDENTIFICATION" for details

### STAGE 1 – POOL CONTROLLER SETUP

When connecting the Multi Plus light to a Connect 10 pool controller please ensure the system is fully installed and you have completed all the relevant steps in the controller setup menu to operate the lights correctly

During pool controller setup ensure that the "Zone supports Multi-Colour lighting" checkbox is selected and that the "SLX LIGHT" light model is selected.
During channel setup select "Yes" when prompted "Is this a multi-colour capable light?"

(For more information on this please refer to the pool controller installation manual).
**NOTE:** Some older pool controllers may not support these models. Please contact Spa Electrics assistance.

### STAGE 2 – POOL LIGHT SETUP

**Step 1 – Ensure the light has been turned off for at least 30 seconds**
**Step 2 – Turn the light ON** using the Connect 10 Touchscreen



**Step 3 – Press the SYNC button,**
once the Connect 10 and Multi Plus Light have finished communicating the Multi Plus light can be operated using the Connect 10 pool controller
(This step must be performed within 30 second of step 2)

## QUICK SETUP AQUALINK INTELLITOUCH/EASYTOUCH

**NOTE:** QUICK SETUP – INTELLITOUCH/EASYTOUCH is only available with MULTI PLUS lights produced after 21/01/2018 – see "VERSION IDENTIFICATION" for details

**STAGE 1 – POOL CONTROLLER SETUP**

When connecting the Multi Plus light to an Intelitouch or Easytouch pool controller please ensure the system is fully installed and you have completed all the relevant steps in the controller setup menu to operate the lights correctly

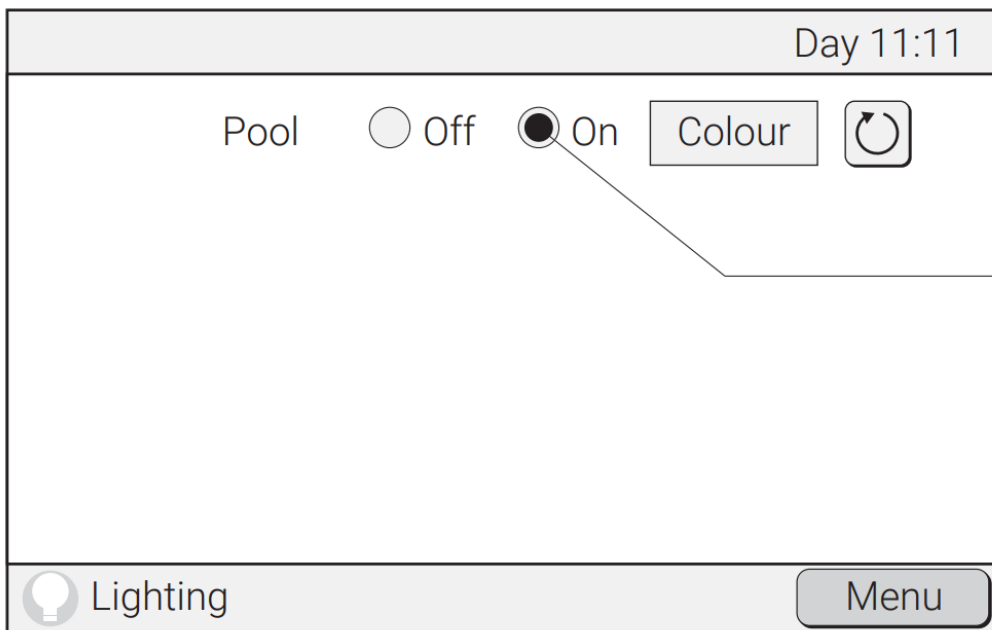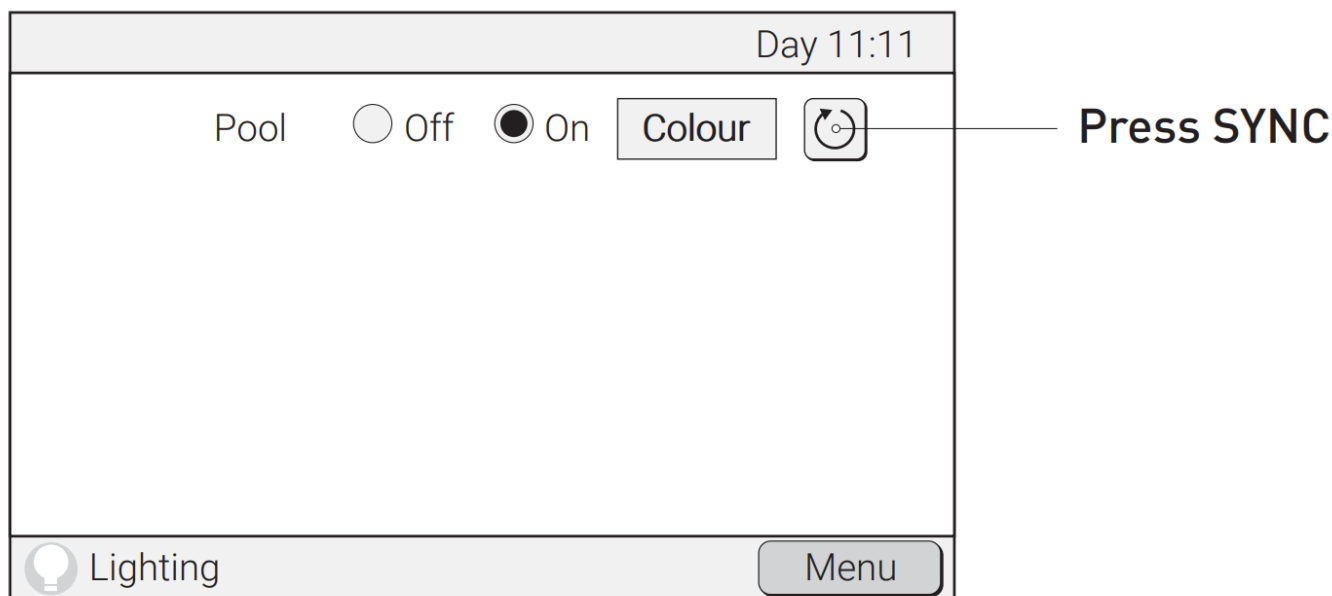**During pool controller setup ensure that the light model selected is INTELLIBRITE LIGHT**

(For more information on this please refer to the pool controller installation manual).
**NOTE: Some older pool controllers may not support these models.**
**Please contact Spa Electrics assistance.**

**STAGE 2 – POOL LIGHT SETUP**

**Step 1 – Ensure the light has been turned off for at least 30 seconds**

**Step 2 – Navigate to the "Lights/Colors" menu on the pool controller Handset or Control Panel.**
**Step 3 – Select MAGENTA in the colour menu**, and wait until the relays finish operating.
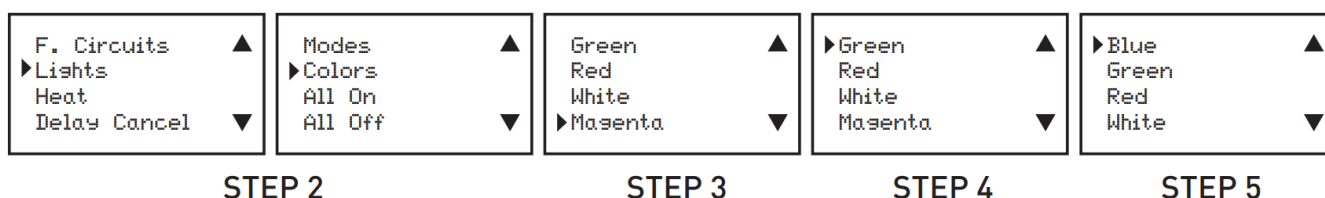**Step 4 – Select GREEN in the colour menu**, and wait until the relays finish operating.
**Step 5 – Select BLUE in the colour menu**, and wait until the relays finish operating.
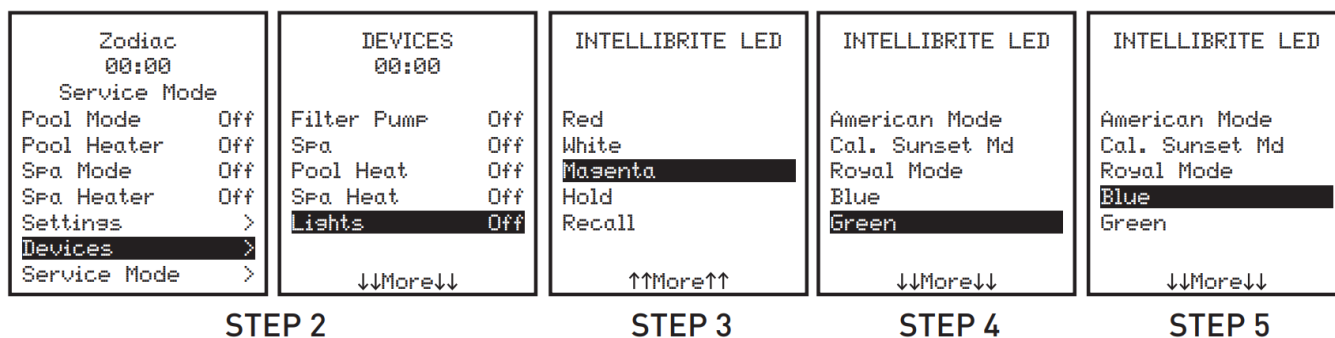**Step 6 – After 3 seconds the Multi Plus light will turn itself off for 1.5 seconds and turn on BLUE.**
This will indicate that the mode setup has been completed correctly

**INTELLITOUCH/EASY TOUCH CONTROLLERS**

## AQUALINK TRI CONTROLLERS

```
     Zodiac              DEVICES         INTELLIBRITE LED    INTELLIBRITE LED    INTELLIBRITE LED
      00:00               00:00
   Service Mode                          Red                 American Mode       American Mode
Pool Mode     Off   Filter Pump   Off    White               Cal. Sunset Md      Cal. Sunset Md
Pool Heater   Off   Spa           Off    Magenta             Royal Mode          Royal Mode
Spa Mode      Off   Pool Heat     Off    Hold                Blue                Blue
Spa Heater    Off   Spa Heat      Off    Recall              Green               Green
Settings        >   Lights        Off
Devices         >
Service Mode    >        ↓↓More↓↓            ↑↑More↑↑            ↓↓More↓↓            ↓↓More↓↓
```

| STEP 2 | STEP 3 | STEP 4 | STEP 5 |

## QUICK SETUP AQUALINK RS/TRI

**NOTE:** QUICK SETUP – AQUALINK RS/TRI is only available with MULTI PLUS lights produced after 21/01/2018 – see "VERSION IDENTIFICATION" for details

### STAGE 1 – POOL CONTROLLER SETUP

When connecting the Multi Plus light to an Aqualink RS/Z4 pool controller please ensure the system is fully installed and you have completed all the relevant steps in the controller setup menu to operate the lights correctly

During pool controller setup ensure that the light model selected is JANDY LED LIGHT

(For more information on this please refer to the pool controller installation manual).
**NOTE: Some older pool controllers may not support these models. Please contact the controller manufacturer for upgrade assistance.**

### STAGE 2 – POOL LIGHT SETUP

**Step 1 – Ensure the light has been turned off for at least 30 seconds**
**Step 2 – From the home screen on the control panel, Select "Equipment ON/OFF".**
**Step 3 – Select the channel for the lights,** each channel will need to be setup individually.
**Step 4 – Select DISCO TECH in the "Set Color" menu.**
**Step 5 – After the controller finishes power cycling, the Multi Plus light will turn itself off for 1.5 seconds and turn on DISCO TECH. This will indicate that the mode setup has been completed correctly.**



| Step 2 | Step 3 | Step 4 |
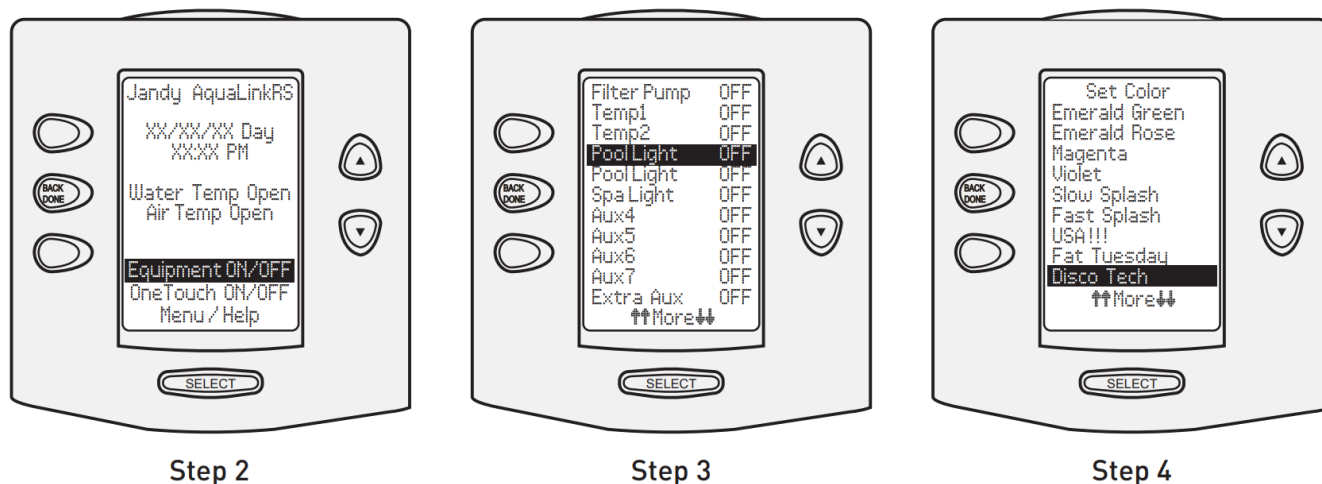
## MANUAL MULTI PLUS SETUP

Manual Multi Plus Setup is for installations where the use of a quick setup is not possible or a new MULTI-PLUS light is being installed with an existing Multi Colour or P-Type light.

The MULTI-PLUS light has 7 inbuilt modes of operation for use on a variety of different control systems or installation types.

When you first install your MULTI-PLUS light it will operate in the default, 'Manual' mode for use with a wall switch. In order to connect the light to a 3rd party pool controller OR change to a different operating mode please follow the below steps

**STEP 1 – POOL CONTROLLER SETUP**

If connecting to a pool controller, please ensure the system is fully installed and you have completed all the relevant steps in the controller setup menu to operate the lights correctly.

**During pool controller setup you will be prompted to select which light model is installed. Please use the below table to select the appropriate light for your pool controller type.**

(For more information on this please refer to the pool controller installation manual).

| POOL CONTROLLER | SELECT LIGHT MODEL |
|---|---|
| Astral Connect 10 (2016 to current) | SLX Light |
| Jandy Aqualink RS (F/W Rev. 'R'- Current) | Jandy |
| Zodiac Aqualink TRI | Jandy |
| Pentair EasyTouch | Intellibrite Light |
| Pentair IntelliTouch | Intellibrite Light |
| Hayward Omnilogic | (UCL)Universal Colorlogic |

**NOTE: Some older pool controllers may not support these models. Please contact the controller manufacturer for upgrade assistance.**

**STEP 2 – LIGHT SETUP**

**IMPORTANT : Ensure Lights have been off for at least 30 seconds prior to performing this step**

**NOTE:** This step can either be performed via a wall switch OR via the controller panel/Mobile App.

**A.**

TURN LIGHTS **ON**    TURN LIGHTS **OFF**

WAIT **1** SECOND    WAIT **12** SECONDS
(min 10s - max 15s)

[ REPEAT **x 3** ]

**B.**

TURN LIGHTS **ON**

ALL LIGHTS
NOW FLASHING
**RED**
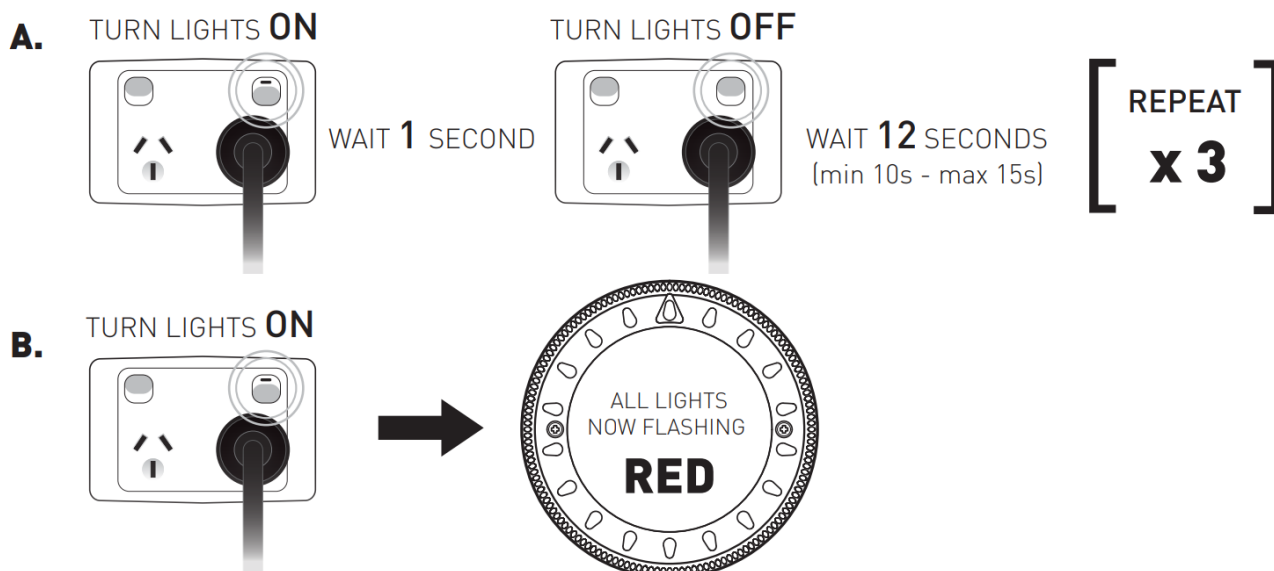
**NOTE: If** ALL Lights connected to circuit are NOT continuously flashing RED, please turn Lights OFF & wait 30 seconds before repeating STEP 2

**STEP 3 – SELECTING OPERATING MODE**

After accessing SETUP MODE (STEP 2) the lights will FLASH RED continuously. This is MODE 1 (Manual mode) Use the below process to change the operating mode to correspond to the required controller or operating type below.

TURN LIGHTS **OFF**    TURN LIGHTS **ON**

WAIT **1** SECOND

FLASHING NEXT
COLOUR IN
SEQUENCE

**IMPORTANT:** Once desired mode is reached (i.e. "Flashing Green – iRIS Mode) leave power turned ON and continue to STEP 4

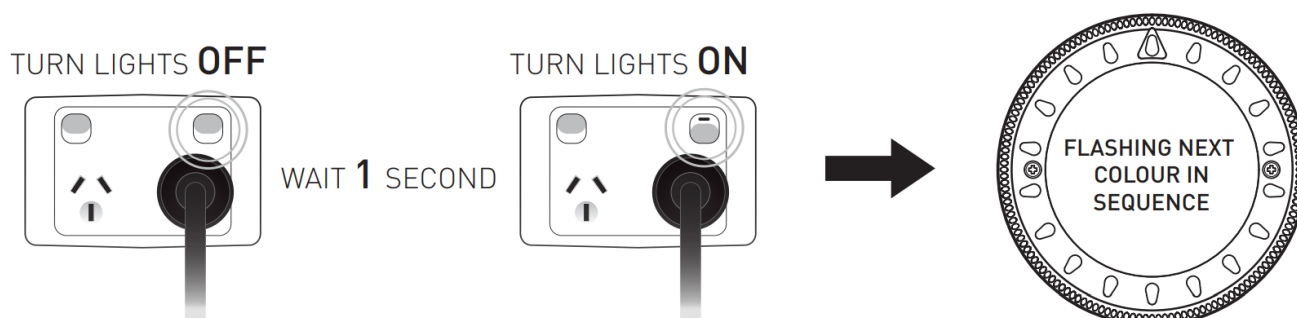| 'FLASHING' COLOUR | CONTROLLER / OPERATING TYPE | LIGHT MODEL SELECTED* |
|---|---|---|
| 1. RED | Manual Mode (wall switch) | – |
| 2. GREEN | Spa Electrics iRIS Controller | – |
| 3. MAGENTA | Astral Connect 10 (2016 to current) | SLX Light |
| 4. WHITE | Jandy Aqualink RS (F/W Rev. 'R'-Current) | Intellibrite Light |
| | Zodiac Aqualink TRI | Intellibrite Light |
| | Pentair EasyTouch | Intellibrite Light |
| | Pentair IntelliTouch | Intellibrite Light |
| 5. BLUE | RGB MULTI Mode* (wall switch) | – |
| 6. YELLOW | Hayward Omnilogic | Universal Colorlogic |
| 7. PINK | P-TYPE Mode* (Legacy) | Intellibrite Light |
| 8. AQUA | Aqualink RS/Z4 | Jandy |

**\*Light Model Selected:**
This indicates the model of light to be selected in the Pool Controller setup menu.
Refer to STEP 1 on the previous page, for more information or please contact Spa Electrics. (03) 9793 2299

**\*RGB MULTI Mode:**
This mode allows the MULTI PLUS light to operate in the standard MULTI-Colour mode. This mode should only be used when operating a MULTI PLUS light from a wall switch with a standard Spa Electrics MULTI-Colour light. For more information please contact Spa Electrics.

**\*P-TYPE Mode:**
This mode allows the MULTI PLUS light to operate in the RGB P-Type Colour mode. This mode should only be used when operating a MULTI PLUS light in conjunction with an existing Spa Electrics P-Type light. For more information please contact Spa Electrics.
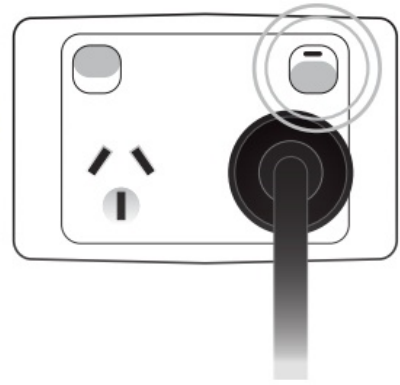
**STEP 4 – SAVING OPERATING MODE**

Once the desired operating mode is selected follow these steps to save the selection.

TURN SYSTEM **OFF**
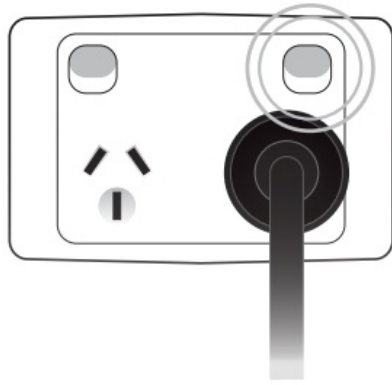
TURN SYSTEM **ON**

WAIT **30** SECONDS

**Important**

You must wait at least 30 Seconds prior to turning the system back ON or selection process will fail and setup will need to be restarted.

**STEP 5 – CONFIRM OPERATION**

Your setup should now be complete. To confirm the system is working correctly, select a colour via the controller or wall switch (depending on operating mode selected) and check to ensure all lights are synchronised and the correct colour is displayed.

**Refer to OPERATING MODE COLOURS for available colours.**

**VERSION IDENTIFICATION**

New Features such as QUICK SETUP for selected pool controllers are not available in order versions of the MULTI PLUS lights. These features are only available in MULTI PLUS lights produced after 21/01/18.

The Production Date of your light can be located in the lower right corner of the product label adhered to the light's packaging.

If the light has been removed from it's packaging, you can identify if the QUICK SETUP features are available to your MULTI PLUS light, by comparing the serial number attached to the light to the table below:

| LIGHT SERIES | CONNECT 10, INTELLITOUCH, EASYTO UCH, OMNILOGIC | AQUALINK RS/TRI |
|---|---|---|
| WN | WN-27964 and Greater | WN-43973 and Greater |
| GK | GK-103398 and Greater | GK-106189 and Greater |
| EM | EM-78510 and Greater | EM-96899 and Greater |
| WNRX | WX-07079 and Greater | WX-11176 and Greater |
| GKRX | GX-32314 and Greater | GX-52027 and Greater |
| EMRX | EX-02348 and Greater | EX-03847 and Greater |

Need help identifying the version of your MULTI PLUS light?
please contact Spa Electrics. (03) 9793 2299 for assistance

## OPERATING MODE COLOURS

| | MANUAL MODE (DEFAULT) |
|---|---|
| 1 | WHITE 4000K |
| 2 | AQUA |
| 3 | BLUE |
| 4 | MAGENTA |
| 5 | RED |
| 6 | LIME |
| 7 | GREEN |
| 8 | OCEANIC VIEWS |
| 9 | TRANSCENDENCE |
| 10 | OUTBACK AUSTRALIA |
| 11 | SPRING EQUINOX |

| | iRIS MODE |
|---|---|
| 1 | WHITE 4000K |
| 2 | AQUA |
| 3 | BLUE |
| 4 | MAGENTA |
| 5 | RED |
| 6 | LIME |
| 7 | GREEN |
| 8 | OCEANIC VIEWS |
| 9 | TRANSCENDENCE |
| 10 | OUTBACK AUSTRALIA |
| 11 | SPRING EQUINOX |

| CONNECT 10 MODE | |
|---|---|
| 1 | BLUE |
| 2 | MAGENTA |
| 3 | RED |
| 4 | ORANGE |
| 5 | GREEN |
| 6 | AQUA |
| 7 | WHITE |
| 8 | CUSTOMISED COLOUR |
| 9 | RAINBOW PATTERN |
| 10 | OCEAN PATTERN |

| UNIVERSAL COLORLOGIC MODE | |
|---|---|
| 1 | VOODOO LOUNGE |
| 2 | DEEP BLUE SEA |
| 3 | ROYAL BLUE |

| 4 | AFTERNOON SKIES |
|---|---|
| 5 | AQUA GREEN |
| 6 | EMERALD |
| 7 | CLOUD WHITE |
| 8 | WARM RED |
| 9 | FLAMINGO |
| 10 | VIVID VIOLET |
| 11 | SANGRIA |
| 12 | TWILIGHT |
| 13 | TRANQUILITY |
| 14 | GEMSTONE |
| 15 | USA |
| 16 | MARDI GRAS |
| 17 | COOL CABARET |

# INTELLIBRITE MODE

| | |
|---|---|
| 1 | SAM |
| 2 | PARTY |
| 3 | ROMANCE |
| 4 | CARIBBEAN |
| 5 | AMERICAN |
| 6 | CALIFORNIA SUNSET |
| 7 | ROYAL |
| 8 | BLUE |
| 9 | GREEN |
| 10 | RED |
| 11 | WHITE |

# JANDY MODE

| | |
|---|---|
| 1 | ALPHA WHITE |
| 2 | SKY BLUE |
| 3 | COBALT BLUE |
| 4 | CARIBBEAN BLUE |
| 5 | SPRING GREEN |
| 6 | EMERALD GREEN |
| 7 | EMERALD ROSE |
| 8 | MAGENTA |
| 9 | VIOLET |
| 10 | SLOW COLOR SPLASH |

| 11 | FAST COLOR SPLASH |
|----|-------------------|
| 12 | AMERICA THE BEAUTIFUL |
| 13 | FAT TUESDAY |
| 14 | DISCO TECH |

| | P-TYPE MODE | |
|---|---|---|
| 1 | SAM | |
| 2 | PARTY | |
| 3 | ROMANCE | |
| 4 | CARIBBEAN | |
| 5 | AMERICAN | |
| 6 | CALIFORNIA SUNSET | |
| 7 | ROYAL | |
| 8 | BLUE | |
| 9 | GREEN | |
| 10 | RED | |
| 11 | WHITE | |
| 12 | MAGENTA | |

| | STANDARD MULTI* MODE | |
|---|---|---|
| 1 | BLUE | |
| 2 | MAGENTA | |
| 3 | RED | |
| 4 | LIME | |
| 5 | GREEN | |
| 6 | AQUA | |
| 7 | WHITE 1 | |
| 8 | WHITE 2 | |
| 9 | SLOW COLOUR BLEND | |
| 10 | FAST COLOUR CHANGE | |

**\*Standard MULTI Mode:**
This mode allows the MULTI PLUS light to operate in the standard MULTI-Colour mode. This mode should only be used when operating a MULTI PLUS light from a wall switch or RM-2, in conjunction with a standard Spa Electrics MULTI-Colour light.

Connect 10® is a registered trademark of AstralPool Australia and/or its affiliated companies in the United states or other countries.
For more information please contact Spa Electrics. (03) 9793 2299

**SE Spa** Electrics

**Documents / Resources**

**Spa Electrics GKRX Multiplus-LED Variable Voltage Light** [pdf] User Guide
GKRX Multiplus-LED Variable Voltage Light, GKRX, Multiplus-LED Variable Voltage Light, Variable Voltage Light, Voltage Light, Light

**Manuals+**,