izone®

Installation, Configuration & User Manual
for
Lights, Smart Plugs, Garage Door Control & Power Monitoring

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iZone lights, smart plugs and garage doors can be controlled from a number of different devices as follows:

- Smart phone or tablet

- A wireless switch

- An iZone colour touch screen

- A combination of two or more of the above devices

The iZone lights, smart plugs and garage doors need to be configured using a smart phone or touchscreen. There are subtle differences between smart phone / tablet configuration and touch screen configuration. We recommend you use the appropriate part of this manual to assist you when setting up your iZone system. Once configured correctly using one method, the configuration will be correct on other devices.

Lamps and Downlights are configured in exactly the same way and the appearance of each does not differ on the touch screen or the App

This installation and user manual has been divided into six parts as follows:

1.0 iZone garage doors—Installation, configuration, operation

2.0 iZone power—Smart plug, specification, installation,

3.0 iZone lights—Specification, installation

4.0. Smart phone or tablet — installation, configuration and user manual

5.0 iZone Touch Screen — installation, configuration and user manual

6.0. Trouble shooting, FAQ, warranty and assistance

1.0 Garage door controller

1.1 iZone garage door controller installation

iZone smart plug.

After pairing it must be changed in the configuration area to a "Garage Door".

After installation and reconfiguration, test the operation of the door several times to ensure correct operation. If the door does not operate correctly change the pulse length, then re-test.

Garage door control

Existing garage door GPO

CGDK includes: 1 x iZone smart plug (CGPO), 1 x iZone voltage free relay (CVFR) complete with Australian 3 pin plug, 1 M long 240V lead and 1.75M long voltage free lead, 1 x reed switch and magnet (CRS)

iZone voltage free relay

Voltage Free Relay
Model CVFR

iZone.

For indoor use only
ca. -20°C~+70°C

Input: 220-240V AC, 12 Amp ~ 50/60Hz   Output: NO: 30V DC, 12 Amp or
                                                         ─┤├─   240V AC, 10 Amp
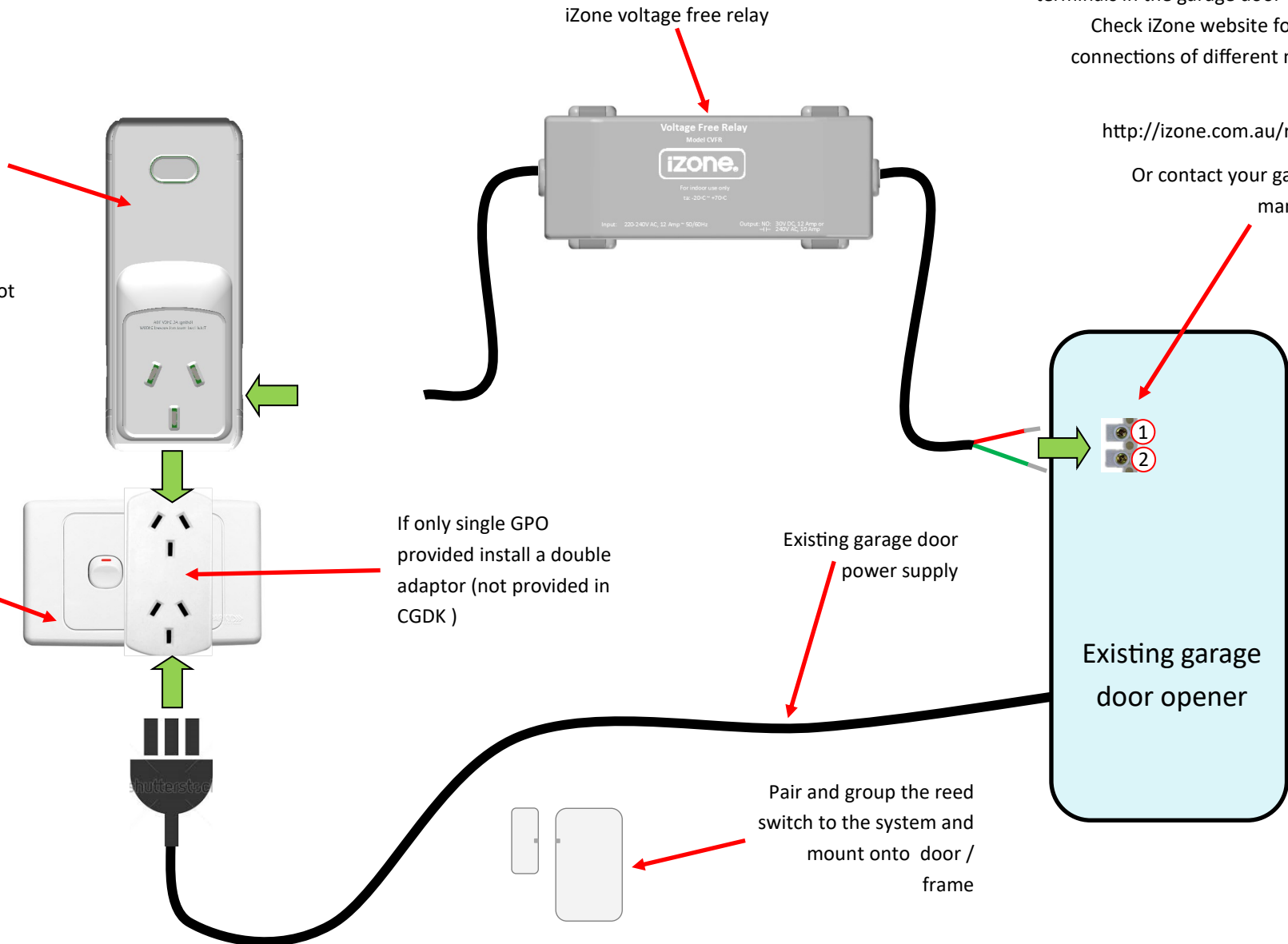
Connect to dedicated voltage free terminals in the garage door controller. Check iZone website for terminal connections of different makes and models.

http://izone.com.au/resources/

Or contact your garage door manufacturer

If only single GPO provided install a double adaptor (not provided in CGDK)

Existing garage door power supply

①
②

Existing garage door opener

Pair and group the reed switch to the system and mount onto door / frame

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1.2 iZone reed switch installation

Handy tips:

1. After removing your reed switch and magnet from the packaging, open the switch by using a small screw driver in the slots on the top and bottom.

2. Remove the PCB and turn over to reveal the battery. Insure the battery protector has been removed.

3. Press and hold the small switch on the end of the PCB. A blue LED will illuminate on the PCB. At the same time press the pair button on your screen and the LED will flash rapidly indicating that it is paired. Make a note of the number displayed on the screen so its easy to group

later.

4. Put the PCB back in the casing and click it closed.

5. Using the double sided tape on the two parts, install them as shown below.

6. Group the switch to the device that you want to control and test it to make sure it operates correctly.

7. Adjust the position of the magnet if required to get the most reliable performance

Specification

Power supply	CR1632 - 3 volt coin battery
Control frequency	433 Hz
Operating temperature range	-5°C to +40°C
Environment	Suitable for indoor use only
Reed switch	Height: 43 mm Width: 25 mm Depth: 14 mm Weight: 12g
Magnet	Height: 24 mm Width: 9mm Depth: 10 mm Weight: 6 g

Installation

Mount
4 to 8mm apart

switch

Magnet

For best results align markings

Face orientation marking
(Should face each other)

Pairing hole
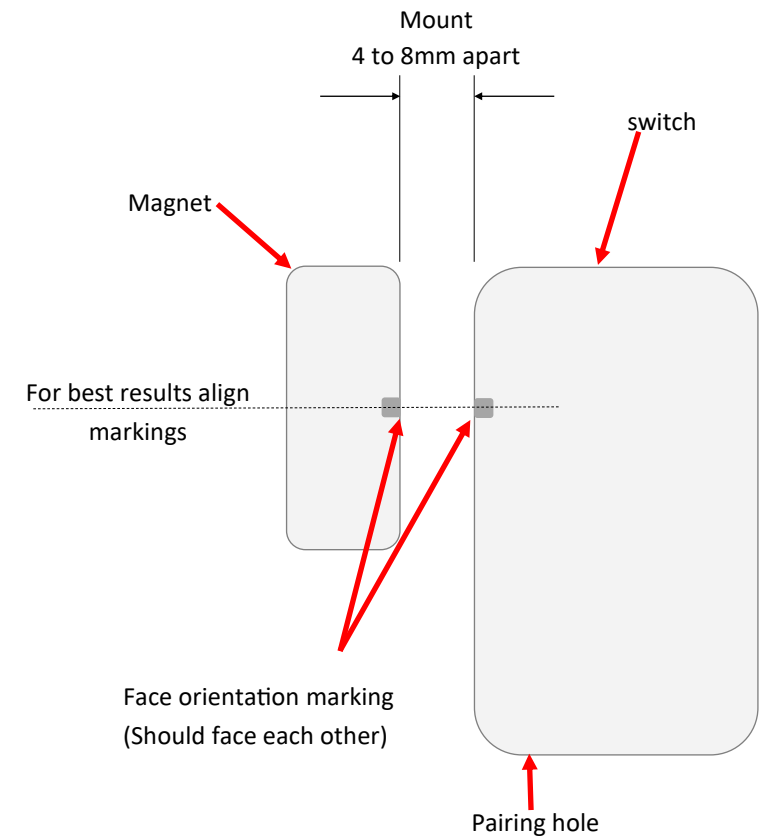
1.3 iZone garage door controller configuration

1. Install the wiring to the garage door as indicated above

2. Name your smart plug (Garage Door)

4. Pair the Reed switch for the Garage Door and group the Garage Door Smart Plug and the Reed Switch

5. Go to the detail section for the Garage Door Smart plug and change it from a standard Smart Plug to a Garage Door controller.

6. Test and adjust Pulse length as required

Set up a group for the Garage door controller and the associated Reed Switch

Test the Garage door and adjust the pluse length to ensure the door operates correctly

Press here to change the smart plug to a Garage Door controller

Smart Plug named Garage Door

Press here to go to the details relating to the Garage Door

Details section for Garage Door

Pair the Reed switch to be used to indicate if the garage door is open or closed. Set the group for the Reed Switch to the same group as the Garage Door controller
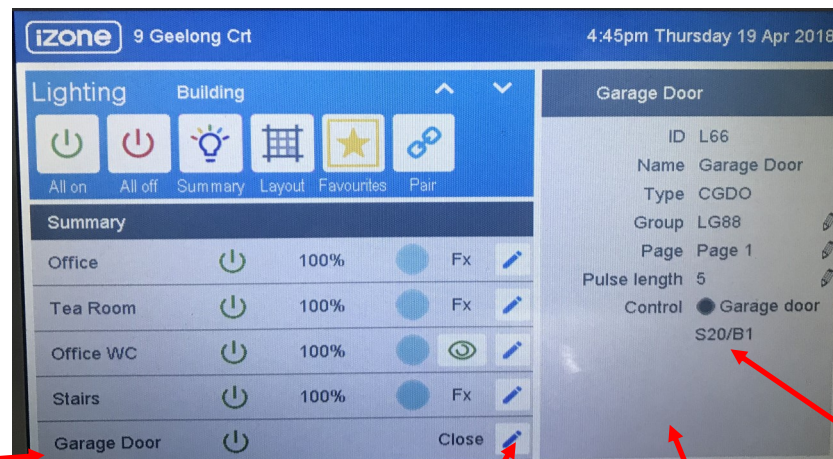
1.4 iZone garage door controller— how to operate

1. Once the configuration is complete a new Garage Door icon will appear

2. If you only have one garage door pressing the icon will open / close the garage door.

3. If you have multiple garage doors press the garage door icon to display all the garage doors configured and control each one as your require. If any door is open the icon will show as "Open". If all the doors are closed the icon will show as "Closed".

4. You can still use your existing garage door remote control to operate your garage door(s) as well as on your phone or tablet.

Garage Door icon will appear if a Garage Smart plug has been configured as a Garage door.

(Indicating one of the doors is currently Open)

(Indicating all doors are Closed)

2.0 iZone Power

2.1 iZone smart plug - specifications

For model numbers: CGPO

Power supply	Input: 220- 240VAC 50Hz
Power consumption	Maximum 1.9 Watts switched on (no load connected) Minimum 0.6 Watts switched off
Connection	Australian GPO and Australian Plug
Maximum connected load permitted	10 amps
Control frequency	433 Hz
Operating temperature range	-5°C to +40°C
Environment	Suitable for indoor use only
Size & Weight	Height: 107 mm Width: 44 mm Depth: 37 mm (Excludes prongs) Weight: 89g

Manual On / Off button

Pair button

Plug to go into an Australia 240V GPO or power board

Plug 240V electrical load in here:

240V 10amp

13
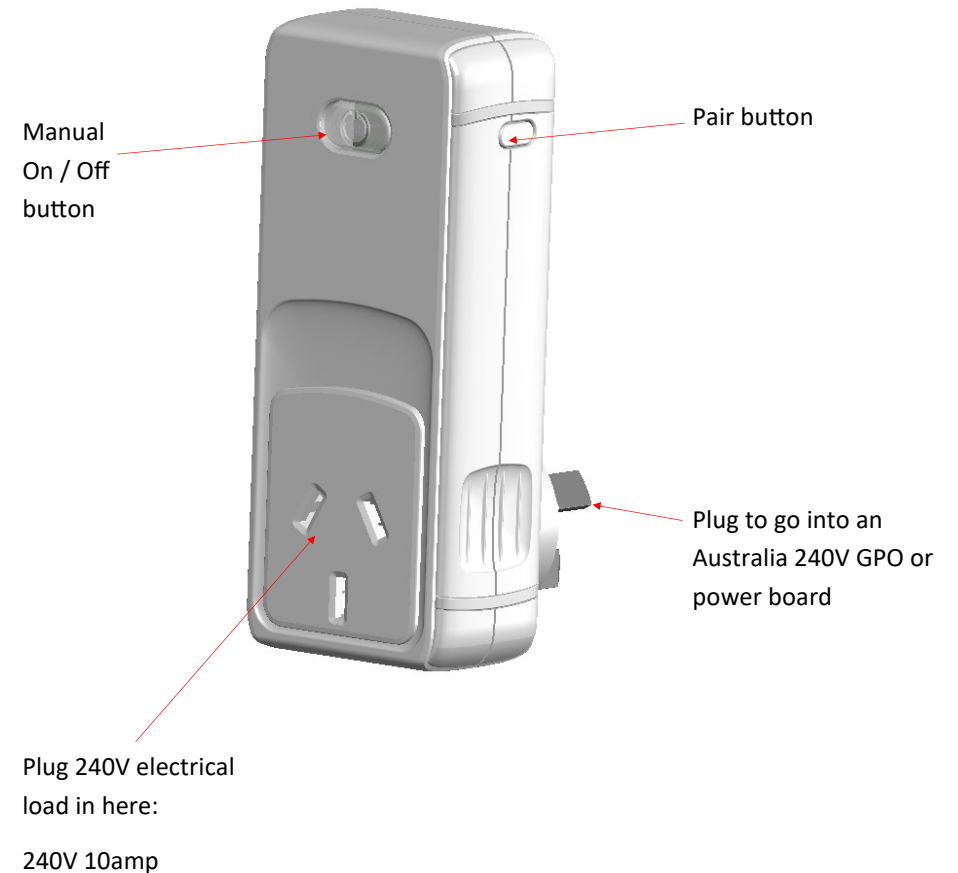
2.2 iZone smart plug - Installation

For model numbers: CGPO

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• Switch the power at the wall outlet on. • Plug the iZone smart plug into the wall outlet • Pair the iZone smart plug to the iZone Bridge (See pairing an iZone smart plug) • Name the iZone smart plug on your touch screen , smart phone or tablet • Plug the appliance to be controlled into the iZone smart plug. • Control your appliance via the touch screen , smart phone or tablet , or iZone wireless switch or the on / off button on the iZone smart plug. • Schedules, scenes, voice control, all ON / OFF , iSense control, alarm and holiday features can all be set up to control this module

2.3 Wired relay module - specifications

For model numbers: CACR

Power supply	Input: 220-240VAC 50Hz
Power consumption	Maximum 2.45 Watts switched on (no load connected) Minimum 1.05 Watts switched off
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations.
Maximum connected load permitted	15 amps
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	Suitable for indoor use only
Size & Weight	Height: 150 mm (Excludes mounting lugs and antenna) Width: 85 mm Depth: 36 mm (Excludes antenna) Weight: 220 g

Mounting lug

Pair button

Manual On / Off button

Knock outs in casing for cables / conduits

2.4 Wired relay module - Installation

For model numbers: CACR

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• Switch the power off at the switchboard. • Cut the circuit to the device being controller and terminate the wiring as indicated on the casing • Pair wired relay module to the iZone Bridge (See pairing an iZone smart plug) • Name the wired relay on your touch screen , smart phone or tablet • Control your appliance via the touch screen , smart phone or tablet , or iZone wireless switch or the on / off button on the wired relay module. • Schedules, scenes, voice control, all ON / OFF, iSense control, alarm and holiday features can all be set up to control this module

2.5 LED dimmer module - specifications

For model numbers: CACD

Power supply	Input: 220-240VAC 50Hz
Power consumption	Maximum 2.05 Watts switched on (no load connected) Minimum 1.2 Watts switched off
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations. For
Maximum connected load permitted	1 Amp
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	Suitable for indoor use only
Size & Weight	Height: 150 mm (Excludes mounting lugs and antenna) Width: 85 mm Depth: 36 mm (Excludes antenna) Weight: 220 g

Mounting lug

Pair button

Manual On / Off button

Knock outs in casing for cables / conduits

2.6 LED dimmer module - Installation

For model numbers: CACD

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• Switch the power off at the switchboard. • Cut the circuit to the LEDs being controller and terminate the wiring as indicated on the casing • Pair the LED dimmer module to the iZone Bridge (See pairing an iZone smart plug) • Name the LED dimmer module on your touch screen , smart phone or tablet • Configure the minimum dimming % in the details section. • Control your LED lights via the touch screen , smart phone or tablet , or iZone wireless switch. • Schedules, scenes, voice control, all ON / OFF, iSense control, alarm and holiday features can all be set up to control this module.

2.7 Roller blind module - specifications

For model numbers: CACRB

Power supply	Input: 220-240VAC 50Hz
Power consumption	Maximum 2.35 Watts switched on (no load connected) Minimum 1.05 Watts switched off
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations.
Maximum connected load permitted	5 Amp
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	Suitable for indoor use only
Size & Weight	Height: 150 mm (Excludes mounting lugs and antenna) Width: 85 mm Depth: 36 mm (Excludes antenna) Weight: 220 g
Compatibility	Must have 240V, 4 wire motors, with mechanical stops, and suitable for home automation. See iZone website site for motors which are know for compatibility.

Mounting lug

Pair button

Manual up / down button

Knock outs in casing for cables / conduits

2.8 Roller blind module - Installation

For model numbers: CACRB

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• If the roller blinds being controlled are capable of being wired in parallel you may connect multiple blinds to a single roller blind module up to a maximum of 5 amps.
	• If the roller blinds being controlled are not capable of being wired in parallel you must connect one roller blind module to each blind. The blinds can still be controlled as a bank of blinds by grouping them in the iZone configuration menu.
	• Switch the power off at the switchboard.
	• Cut the circuit to the roller blind (s) being controller and terminate the wiring as indicated on the casing.
	• Pair the roller blind module to the iZone Bridge (See pairing an iZone smart plug)
	• Name the roller blind module on your touch screen , smart phone or tablet
	• Set the mechanical max and min stops on each blind (not part of the iZone system)
	• Calibrate roller blind in the iZone roller blind set up.
	• Configure the roller blind position for all On / Off functions.
	• Control your roller blind via the touch screen , smart phone or tablet; or iZone wireless switch; or the on / off button on the roller blind module.
	• Schedules, scenes, voice control, all ON / OFF, features can all be set up to control this module.

2.9 LED dimmer switch module - specifications

For model numbers: CACDSW

Power supply	Input: 220-240VAC 50Hz
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations. For
Maximum connected load permitted	1 Amp
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	Suitable for indoor use only
Size & Weight	Height: 150 mm (Excludes mounting lugs and antenna) Width: 85 mm Depth: 36 mm (Excludes antenna) Weight: 220 g

Mounting lug

Pair button

Manual on / off button

Knock outs in casing for cables / conduits

2.10 LED dimmer switch module - Installation

For model number: CACDSW

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• Switch the power off at the switchboard. • Terminate the wiring to the LED lights as indicated on the casing. • Wire the light switch and the switch LED (if applicable) to the module • Pair the LED dimmer module to the iZone Bridge (See pairing an iZone smart plug) • Name the LED dimmer module on your touch screen , smart phone or tablet • In the details section configure the following: minimum dimming %; Switch type (latching or momentary); Switch LED (On or Off when lights are ON) • Control your LED lights via the touch screen , smart phone or tablet , or iZone wireless switch. • Schedules, scenes, voice control, all ON / OFF, iSense control, alarm and holiday features can all be set up to control this module.

2.11 Voltage free contact module - specifications

For model numbers: CVFC

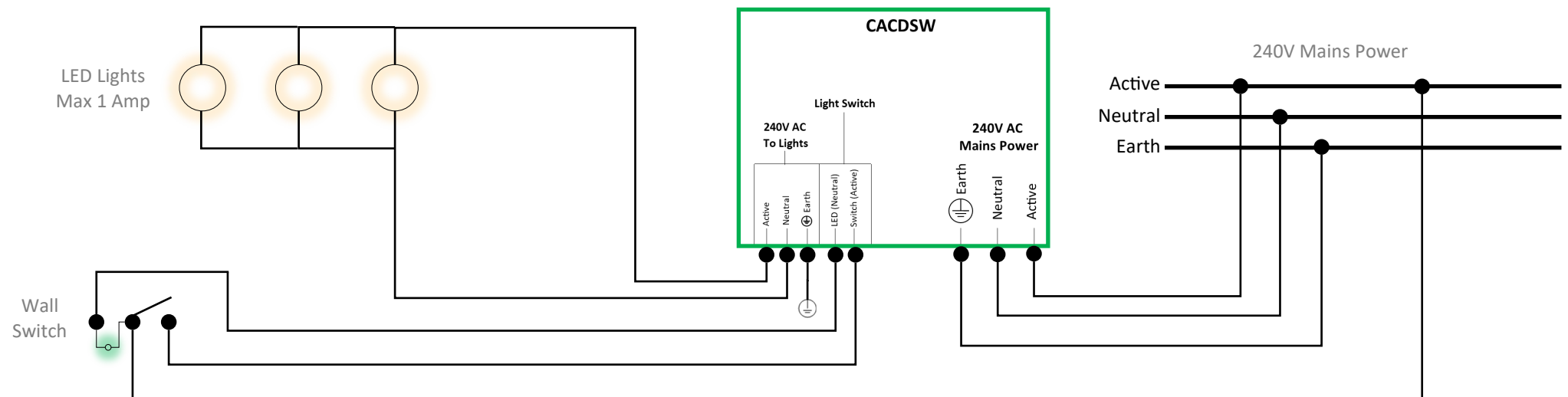|	
Power supply	Input: 220-240VAC 50Hz Output is a voltage free contact. This contact is rated for: 30V DC, 12 Amp or 240V AC, 10 Amp
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations.
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	Suitable for indoor use only
Size & Weight	Height: 150 mm (Excludes mounting lugs and antenna) Width: 85 mm Depth: 36 mm (Excludes antenna) Weight: 220 g

Mounting lug

Pair button

Manual
ON / Off

On / Off   Pair

izone.

Input: 220 - 240 V AC ~ 50/60Hz
Output: 30V DC, 12 Amp or 240 V AC, 10 Amp

Voltage Free Contact Module

CVFC

VFC
To Device

240V AC
Mains Power

CN 1   CN 2

Earth   Neutral   Active

⚠

For indoor use only
T$_A$: - 20°C ~ + 70°C

Knock outs in casing
for cables / conduits

2.12 Voltage free contact module - Installation

For model numbers: CVFC

Certification	AS/NZS 61058 ; C Tick N29007;
Installation	• Switch the power off at the switchboard.
	• Connect 240V AC mains wiring as indicated on the casing.
	• Connect the voltage free wiring from the device being switched to the connectors on the CVFC (CN1 & CN2)
	• Pair CVFC to the iZone Bridge (See pairing an iZone smart plug)
	• Name the CVFC device on your touch screen , smart phone or tablet
	• If being used as a garage door controller configure for garage door pulse. Adjust the pluse length to achieve the correct operation of the garage door.
	• If being used for other devices configure for the contact to be normally open or normally closed (NO or NC)
	• Control your appliance via the touch screen , smart phone or tablet , or iZone wireless switch or the on / off button on the module.
	• Schedules, scenes, voice control, all ON / OFF, iSense control, alarm and holiday features can all be set up to control this module

2.13 iZone power monitoring - specifications

For model numbers: CPMK, CPMD, CPMCT

Power supply	2 x AA batteries
Connection	To be installed by a licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations.
Control frequency	433 Hz
Temperature range	-20°C to +50°C
Environment	Suitable for indoor or outdoor use. The CPMD must **not** be located inside a steel switch board or cabinet as this will prevent RF transmission of readings.
Measured current range	20mA to 80Amp
Accuracy	This device is for monitoring <u>only</u> and is not recommended for calculation of actual power consumption. Accuracy can be up to 98% over an extended period but will vary as the voltage and power factor fluctuates at the property.
Sensitivity	The device will measure in 1W increments down to 5W

Size & Weight (excludes leads)	CPMD	CPMCT
Height: mm	100	46
Width: mm	70	30
Depth: mm	30	30
Cable Dia: mm	N/A	15.5
Weight: g	205	90

Active (Live) cable

CPMCT iZone Current transformer (CT)

CPMD iZone Power monitoring Device
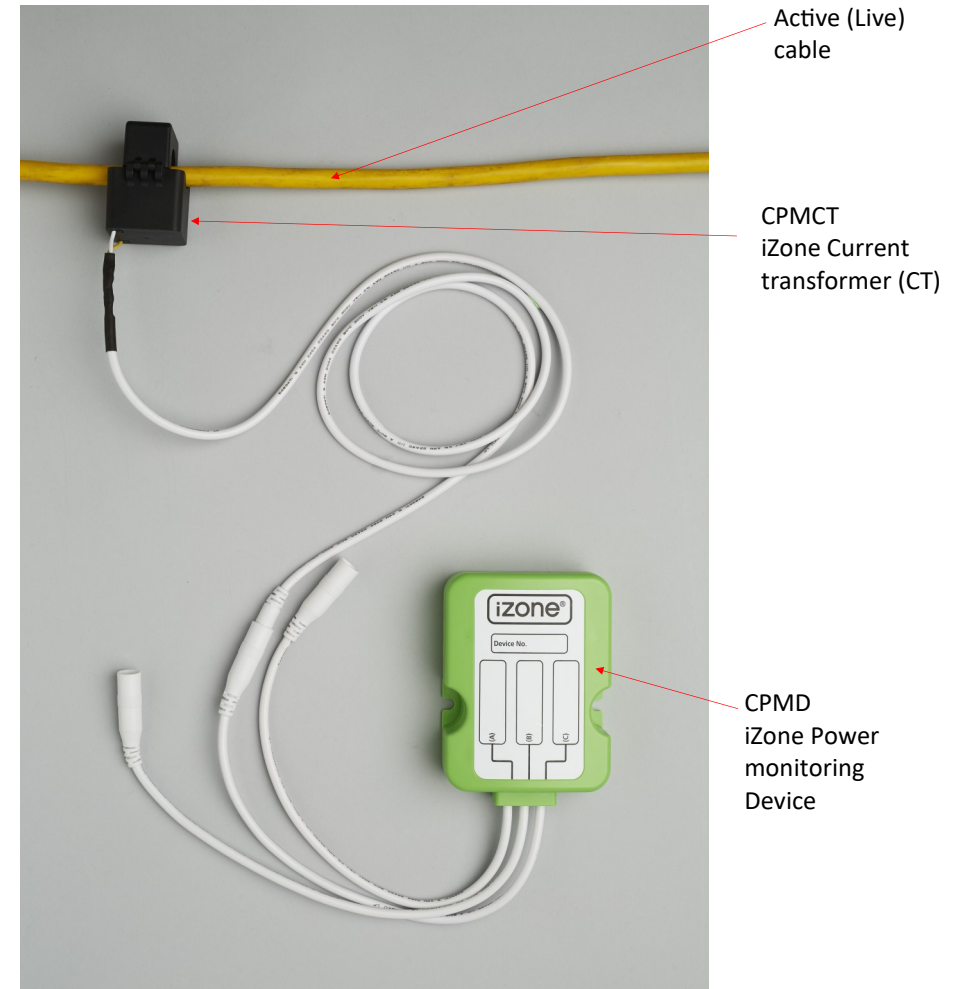
2.14 iZone power monitoring - Installation

The installation of the iZone power monitoring current transducers (CT) must be undertaken by electrician in accordance with AS/NZ 3000:2007 Electrical installations.

Fit the CT sensor clamps

1. You need to ensure the CT sensor clamps are installed on the correct cable to receive the correct readings. See different options below. These options are a guide only and you should consult your electrician to ensure the location of the CT sensors is correct. It may be necessary for the electrician to modify the wiring in your switchboard to achieve the correct result for your particular installation:

A) Single-phase Installation with Solar
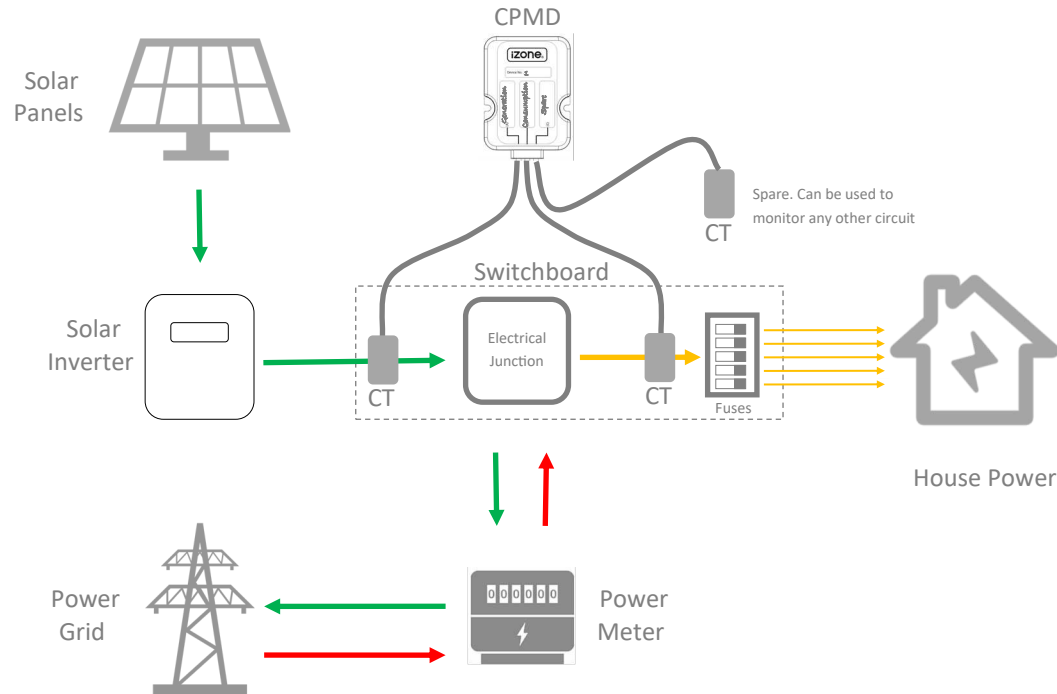
2.14 iZone power monitoring - Installation (cont)

B) Three-phase Installation with Three-phase Solar
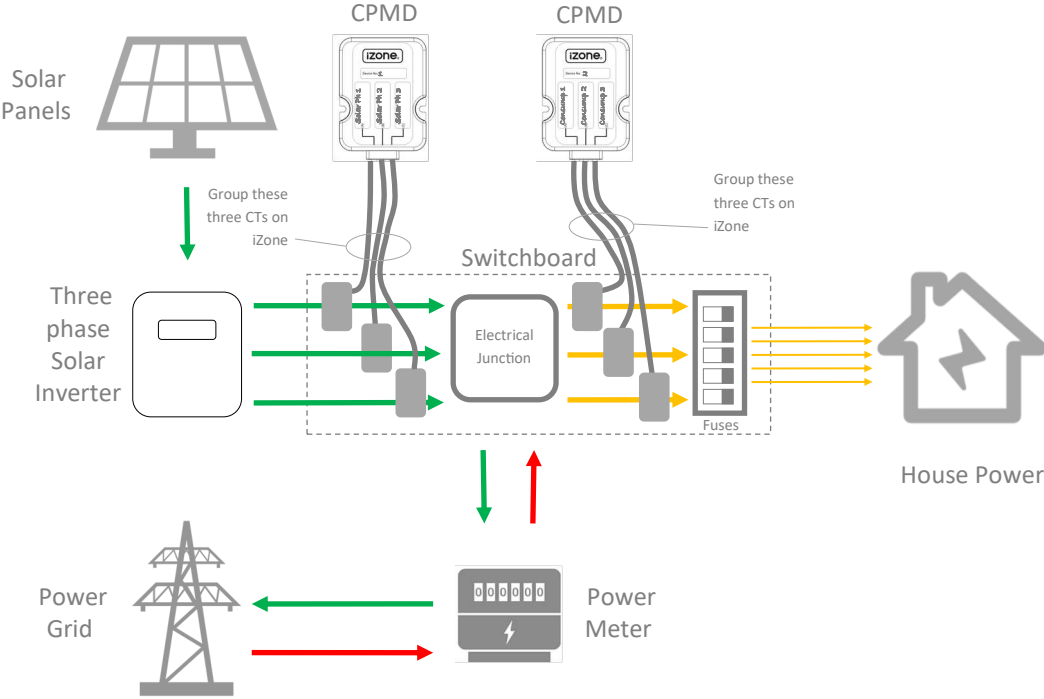
2.14 iZone power monitoring - Installation (cont)

C) Single-phase Installation— Monitoring total power used, Aircon and Lighting

D) Two phase Installation— Monitoring total power used and Aircon
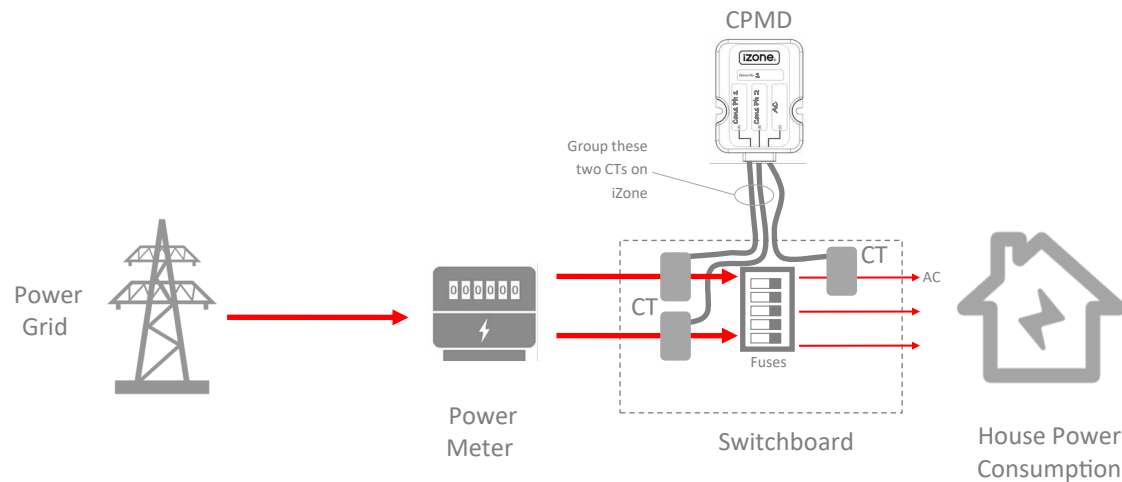
2.14 iZone power monitoring - Installation (cont)
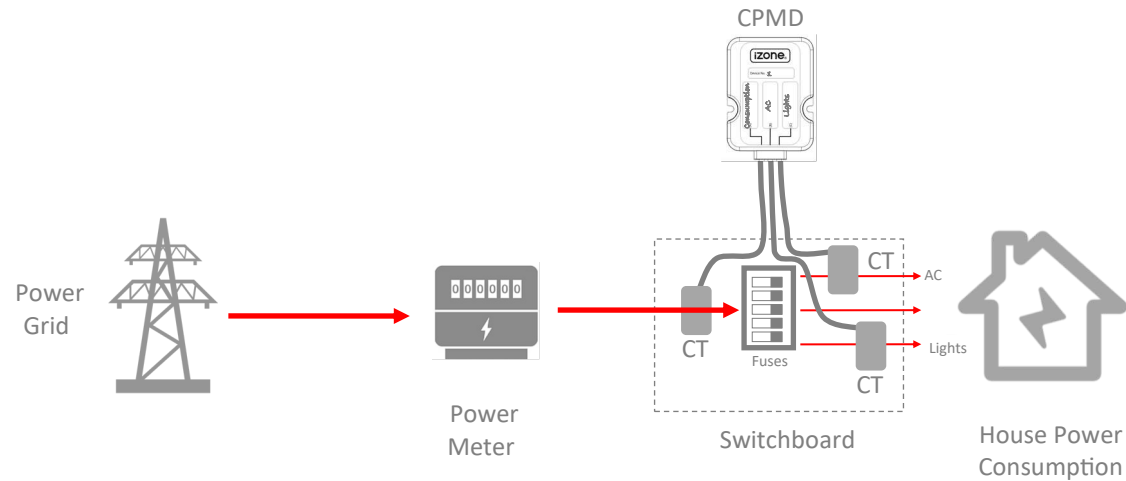
2. Pull the clip on the CT clamp and open it.
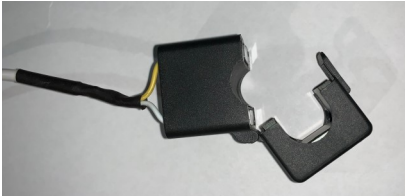
3. Place the cable in the CT and close it. Make sure the clip on the CT clicks closed and locks in place.

4. Drill a hole in the side or bottom of the switchboard. It should be large enough to accommodate all the CT cables you are installing plus a rubber grommet .

5. Install a suitable rubber grommet into the hole (Not supplied).

6. Pass the connectors through the hole.

7. If the switchboard is located outdoors, ensure the penetration into the switchboard is waterproof.

For wireless communication all CPMDs must be located outside all metal cabinets or switchboards

Switchboard

Weather proof grommet
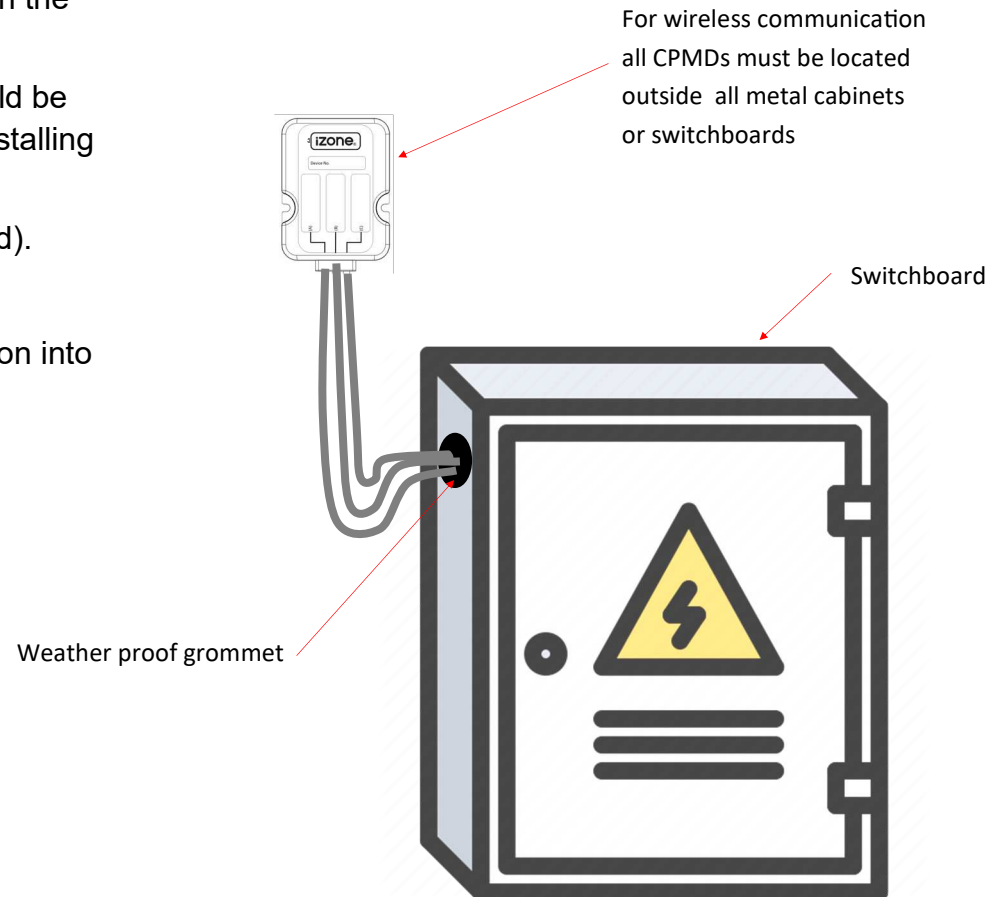
2.15 iZone power monitoring - Set up

8. Remove the back cover on the CMPD and remove the battery protector.

9. Press the pair button next to the battery. The blue LED will illuminate.

10. At the same time press the Pair button on the touchscreen or the App.

11. The blue LED will flash rapidly to indicate this device is paring to the system.

12. The screen will confirm that this device is configured and its allocated Device number.

13. Replace the back cover.

14. Write the Device number and Circuit names on the CPMD for future reference.
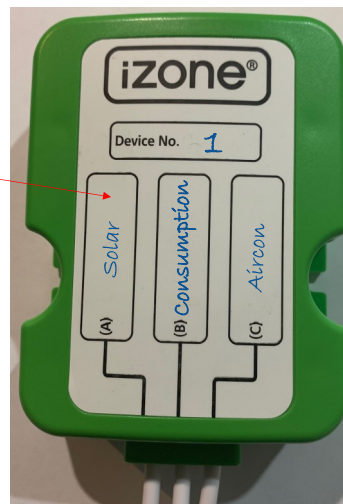
2.16 iZone Power monitoring - Configuration

15. Name each of the channels connected to the system.

Press name to change
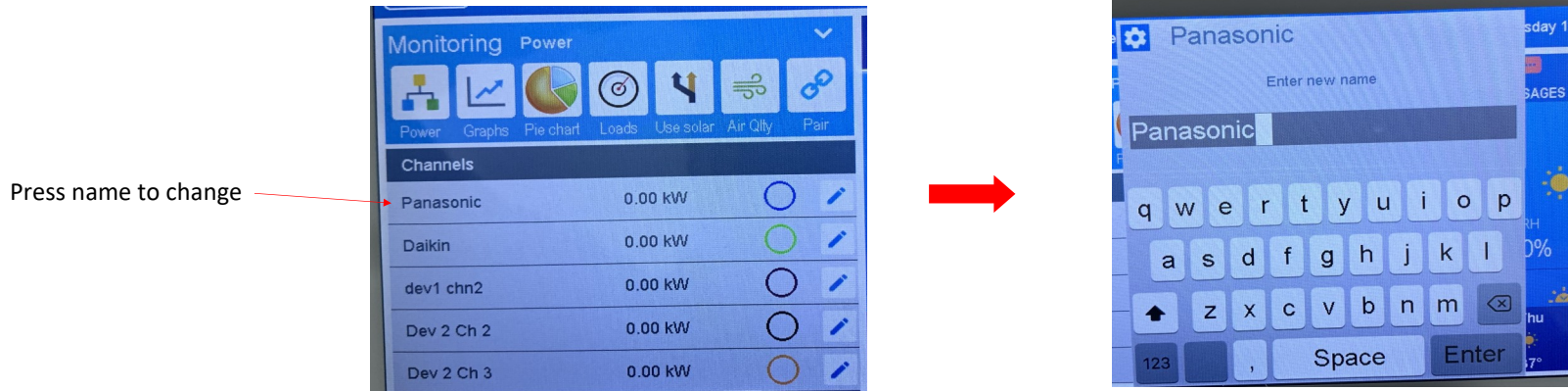
16. Set up channel characteristics

Press here to access set up details

Select Consumption on all circuits that consume power. Do no select if this circuit generates power (Solar Power)

Press here to set group number. When CT channels are grouped iZone will sum the measured values for all CTs in the respective group. Use this for 3 phase installations.

Press here to calibrate this CT Channel

Select one option to graph. This is a global option and it will be applied to all circuits

2.16 iZone power monitoring - Configuration (cont)

17. Set up your system voltage, power factor, cost of power and emissions. Go to Settings > Configuration > Configure Monitoring > Password > System. Use the small pencil to change the default settings for System voltage, Power factor, Cost of power, and Emissions factor.

    For Cost of power it is recommended that you use your average monthly power cost from your last power account.

    For Emissions kg CO_2e / kWh you will need to use your states Emissions Factor. Below is a guide you can use which was current at the time of writing.

    Purchased electricity Emission Factors for Australia & New Zealand

    Victoria = 1.17

    Western Australia = 0.78

    Queensland = 0.82

    ACT = 0.87

    South Australia = 0.62

    New South Wales = 0.87

    Tasmania = 0.20

    Northern Territory = 0.69

    New Zealand = 0.20

18. Activate / de-activate the CT channels you want to display / hide. Go to Settings > Configuration > Configure Monitoring > Password > Devices. The paired devices will be displayed. From here you can delete a device or you can display / hide any of the CT channels for a device. It is recommended that you hide channels that are not being used.
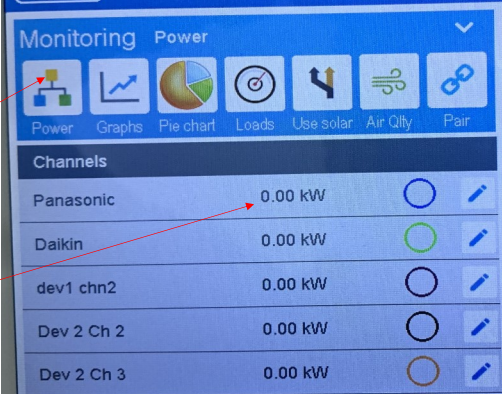
2.17 iZone power monitoring - How to use

18.   There are a number of different ways to view your power consumption / generation

Press here

The current power consumption / generation for each channel will be displayed here

16.   Select which channels you want to display on your chart
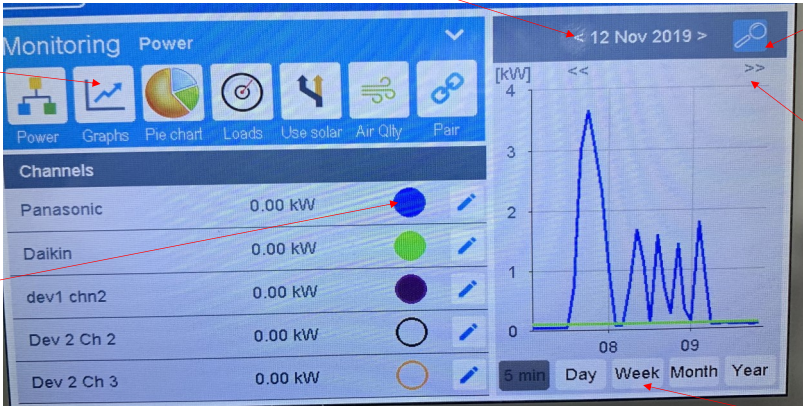
Scroll to a different date

Change to full screen viewing

Select the chart tool

Press << >> to Scroll across the period.

Select the CT channels you want to graph here

Select the period to display

2.17 iZone power monitoring - How to use(cont)

18. View the current load. (Updates approximately every 16 seconds)
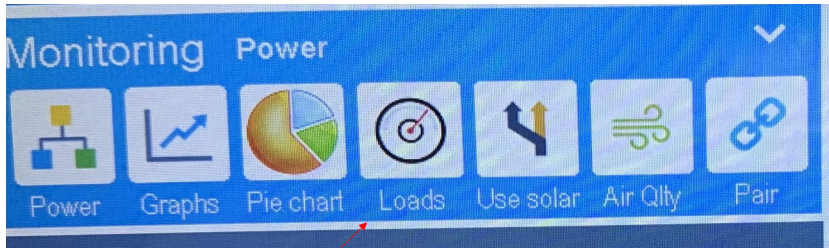
Press Loads
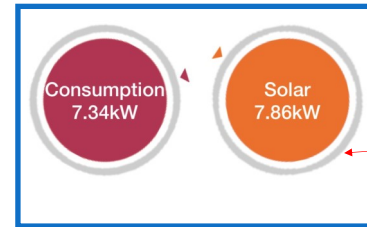
The current measured power for each channel will be displayed here

16. Proportion of different loads for the last 30 days
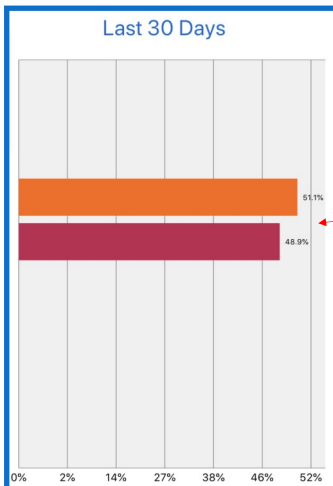
The percentage of each load is shown here

2.18 iZone power monitoring - Solar diversion

Solar diversion provides the ability to automatically turn loads such as Airconditioning, Pumps, Heaters etc. on, when there is excess solar power available. This feature provides the benefit of pre-cooling / heating your home when there is free power available.

Caution! Setting up solar diversion requires knowledge of the loads involved and the capacity of your system. Incorrect application of this feature could result in increased power consumption or lower rebates for power fed back into the grid. iZone does <u>not</u> accept responsibility or liability for any financial losses when this feature is used.

To set up this feature follow the steps below:

1. Decide what load or combination of loads you would like to run when excess power is available. (Diversion load)

2. Wait for the base load to stabilise. In this example we are going to assume the home has a 0.8kW base load through the day.

3. Run the diversion load manually. In this example we are going to assume it is the air conditioning (on cooling). When it runs the total consumption goes up from 0.8 kW to 4.2 kW. Tip: Let the air conditioning run for about 20 minutes and make sure the setpoint is set low so that the compressor runs. Use the peak consumption over that period.

4. Deduct the base load from the peak of the total consumption over the 20 minute period: 4.2kW - 0.8kW = 3.4kW. This is the diversion load

5. Set up a Favourite in the Aircon favourites. In this example we will call it pre-cool. Don't forget to save it.

6. Go to Monitoring and press Use Solar. In the first row press the name and call it Pre-Cool. Working from left to right press the first pencil. Using the up and down arrows go to the Aircon > select the Aircon favourite called pre-cool.> press save.

7. Press the next pencil and select the days of the week you want this diversion load to run. > Select a Start and Stop time. In our example I am going to use Start at 11:00 and Stop at 16:00 > press Save. Select the days of the week you want the diversion load to run as you may have different diversion loads running on different days.

8. Press the next pencil > at Diversion Load input 3.4 kW (See note 4.) > press Save. This is the total kW of the Diversion Load, running at maximum capacity. Excluding any Base Load that may be running at the time the Diversion Load starts.

9. Press the next pencil > Start Margin. This is the safety margin that is added to the Diversion Load to prevent excessive cycling of the Diversion Load on start up. (This should be the normal Base Load plus a small safety factor). In this example we will put 1.0 kW

2.18 iZone power monitoring - Solar diversion (Cont)

10. Press the next pencil > Start Delay. This is the time in minutes that the Solar Power Generated must be greater than the Diversion Load + the Start Margin, before the Diversion Load is started. (This helps to ensure the Solar Power Generated is constant and reduces the chance of short cycling the Diversion Load) In this example we are going to wait 2 minutes before starting the diversion load to ensure the solar power is constant.

11. Press the next pencil > Stop Margin. This is the amount in kW that the total Solar Power Generated is allowed to drop, below the total Power Consumed, before the Diversion Load is stopped. (Use this if you are happy to accept using an amount of mains power to keep the Diversion Load running when the Solar Power Generated dips slightly (for example, due to a passing cloud). This also helps to reduce short cycling of the Diversion Load). In this example we are going to put 0 kW as we want the diversion load to turn off immediately.

12. Press the next pencil > Stop Delay. This is the time in minutes that must pass after the total Solar Power Generated drops, below the total Power Consumed + the Stop Margin before the Diversion Load is stopped.

13. Finally activate your schedule by pressing the clock so it turns from red to green.

For the above example the daily graph could look something like this:

Diversion Load Example
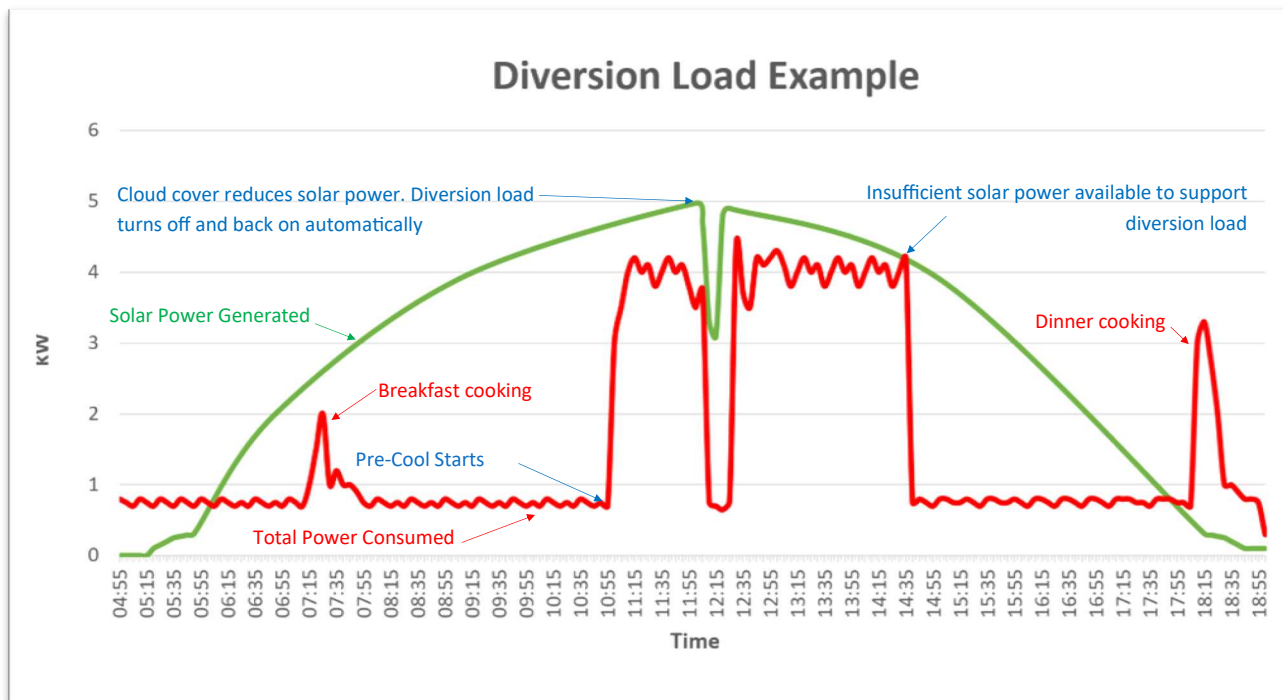
Hint:

You can set multiple diversion loads to come on at the same time. The priority of the loads will be from top to bottom with the highest priority being the first diversion load on the list. When insufficient solar power is available the diversion loads will start to turn off with the lowest priority diversion load turning off first. There is a short delay between turning different diversion loads on and off.

2.19 iZone power monitoring - Frequently asked questions

How Accurate is iZone Power monitoring?

iZone is used for monitoring your power consumption / generation and is indicative and approximate. iZone power monitoring should not be used for comparison with your electricity bill or for charging third parties for power usage.

The iZone power monitoring measures the current passing through the cables that the CT's are clamped around, however the voltage and the power factors are estimated. Both the power factor and the voltage can be adjusted in the power monitoring configuration menu to values measured on the site, however both these values can fluctuate over a 24 hour period.

The iZone power monitoring devices provide "virtual real time data" and is recorded approximately every 16 seconds. You can record the power consumption over a 24 hour period and compare this to your electrical meter then calibrate your circuit to in the CT channel details. This may assist in improving the accuracy.

Can I monitor multiple circuits?

Yes you can monitor up to 15 circuits by using five CPMD and 15 CTs.

Can I monitor 3 phase circuits?

Yes you will need to install one CT on each phase. It is recommended that you group the three circuits so that it shows the sum of the three phases in the display.

Can I see the usage of each phase of a 2 or 3 phase system?

If you want to see the power usage / generated on each phase you must not group them.

What is a CT?

A CT is a current transformer sensor that is clamped around a cable and measures the Amperage passing through the cable. iZone multiplies this value (Amps) by the voltage and power factor to provide a calculated value for the kilowatts of power measured.

2.19 iZone power monitoring - FAQ (cont)

Can I put the CMPD inside the metal switchboard?

The CMPD communicates with the iZone system and bridge using radio communications. These radio signals are blocked by metal and will not transmit reliably to the iZone system. Please mount the CMPD outside any metal switchboard or cabinet.

Can I fit a CT to an electrical lead to a plug in appliance?

No. The iZone monitoring system does not work on electrical extension cords as there is both active an neutral cables inside the extension cord The CT can only be installed around an active cable.

What is the range of the CT?

The CT can measure between 20mA to 80A.

I have a demand tariff which changes through the day what cost should I use to calculate my power cost?

The iZone will provide an estimate of your cost. You need to average your energy cost. To do this check your last power bill and divide the total cost of your power bill by the total number of kWh you consumed this will give you the average cost per kWh you payed for power last month. Input this value into your iZone power monitoring configuration.

What is the life expectancy of the batteries in the CMPD?

If using a good quality lithium battery you can expect 2-3 years life. It is a good idea to change the batteries whenever you change the batteries in you smoke alarms.

2.19 iZone power monitoring - FAQ (cont)

Why does it take so long to update graphs on the touch screen.

Due to the large amounts of data involved your consumption is stored on the iZone World Wide sever and is downloaded every time you update a graph. For faster updates and higher resolution it is recommended that you use the iZone Home App to view your consumption on your smart phone or tablet

Why do I have gaps in my data?

If the iZone server does not receive your data it will cause a gap in your data. This can be due to one or more of the following:

- The batteries in the CPMD running flat,

- The radio communication between the CPMD and the iZone bridge (COCB) is not reliable or consistant,

- The internet is dropping out preventing the transmission of data from the iZone bridge to the server.

Why does my Solar power indicate it is generating a small amount of power at night?

The CT's cannot measure the direction power is flowing through a cable. Your inverter consumes a small amount of standby power even when there is no solar power available. This power is drawn from the building mains power supply and shows up as power being generated but is in fact power being consumed. It is a very small amount and should not material affect the overall numbers.

3.0 iZone Lights

3.1 iZone Lamp specifications

For model numbers: CL5E27 and CL5B22

Power supply	Input: 240VAC 50Hz
Power consumption	Maximum 9.0 Watts on full brightness Minimum 0.22 Watts in standby mode
Connection	E27 Screw fitting or B22 Bayonet fitting
Brightness	Maximum 644 Lumens
Efficiency	71 Lumens / Watt (Cool White)
Control frequency	433 Hz
Operating temperature range	-5°C to +40°C
Environment	Suitable for indoor use only
Size & Weight	Height: 122mm Diameter: 70mm Weight: 166g

3.2 iZone downlight specifications

For model numbers: CL5DB, CL5DS, and CL5DW

Connection	2 Pin Australian GPO plug
Power supply	Input: 220 — 240V AC, 66mA ~ 50Hz
Transformer	Custom transformer included. Output: 25V DC ~ 280mA The driver supplied is **SELV EQUIVALENT**
Power lead	1.2 meters
Power consumption	Maximum 9.0 Watts on full brightness (Cool white) Minimum 0.22 Watts in standby mode
Brightness	Maximum 523.7 Lumens
Efficiency	36.5 Lumens / Watt (Cool White)
Beam Angle	88.9
Control frequency	433 Hz
Operating temperature range	-20°C to +50°C
Environment	IP44 rated Suitable for indoor use only. Suitable for alfresco, porch and bathroom use.
Rating IC-4	Suitable for residential or commercial use in Australia and New Zealand. Used where air transfer is not permitted or not desired between living space and roof space (there will be no air transfer between spaces even if there is no insulation covering the luminaire). These luminaires have been tested to 90°C and will automatically reduce in brightness to prevent over temperature.
Size	Height: 69 mm (51 mm without antenna cover) Face Diameter: 109.6 mm Hole cut size: 90 mm
Weight	Weight: 154 g (excludes transformer and lead)
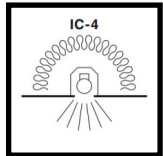
3.3 iZone downlight Installation

For model numbers: CL5DB, CL5DS, and CL5DW

Certification	AS/NZS 60598.2.2; AS/NZS 61347.2.13; C Tick N29007; IP44; IC-4
Installation	This product must be installed by a qualified licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations. **Warning** this product is not suitable for mounting on tubular material. Please note: Accidental contact with live parts does not rely on the luminaire enclosure. • Ensure power supply is isolated before starting any work • Ensure downlight is located with **<u>minimum</u>** clearances from combustible building material as shown below: • Connect mains power cable • Rotate spring clips up and gently insert downlight into hole • Configure downlight—see details in manual

3.4 Basic LED downlight specifications

For model numbers: CLLIGHT

Connection	2 Pin Australian GPO plug
Power supply	Input: 220 — 240V AC, ~ 50/60Hz
Transformer	Built in
Power lead	0.6 meters
Power consumption	Maximum 10.0 Watts on full brightness (4000K)
Colour	CCT 3000K / 4000K / 6000K
CRI	>80
Brightness	Maximum 794 Lumens
Efficiency	80 Lumens / Watt (Cool White)
Beam Angle	120
Dimmable	Yes - fully compatible with iZone Dimmer module (CACD)
Operating temperature range	-20°C to $+50^{o}$C
Environment	IP44 rated Suitable for indoor use only. Suitable for alfresco, porch and bathroom use.
Rating	Suitable for residential or commercial use in Australia and New Zealand. Used where air transfer is not permitted or not desired between living space and roof space (there will be no air transfer between spaces even if there is no insulation covering the luminaire). These luminaires have been tested to 90°C and will automatically reduce in brightness to prevent over temperature.
Size	Height: 58 mm Face Diameter: 115 mm Hole cut size: 90 mm
Weight	Weight: 192 g

3.5 Basic LED Installation

For model numbers: CLIGHT

Certification	AS/NZS 60598.2.2; C Tick, SAA, CE, IP44; IC-4
Installation	This product must be installed by a qualified licenced electrician in accordance with AS/NZ 3000:2007 Electrical installations. **Warning** this product is not suitable for mounting on tubular material. Please note: Accidental contact with live parts does not rely on the luminaire enclosure. • Ensure power supply is isolated before starting any work • Ensure downlight is located with **<u>minimum</u>** clearances from combustible building material as shown below: • Connect mains power cable • Rotate spring clips up and gently insert downlight into hole • Configure downlight—see details in manual

4.0 SMART PHONE / TABLET CONTROL
4.1 Quick setup guide

1. Download the iZone Light & Power App (iLight Controller)

2. Connect the wireless light bridge to your modem Ethernet port. Plug the bridge into a GPO
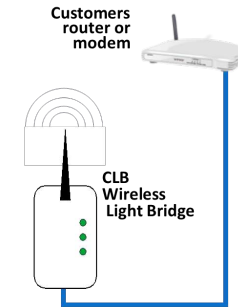
For iZone Lamps and Downlights

3. Install the iZone lamp / downlight . (one at a time).

4. Turn on the power to the installed iZone Lamp / Downlight. It will flash red
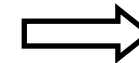
5. Press the "Pair" button on the home screen and the light will flash green 3 times then remain green
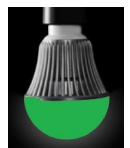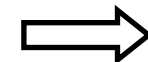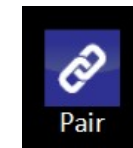
6. Repeat steps 3 to 5 for other Lights

7. Start controlling your Lights via the App
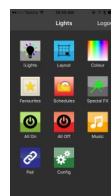
4.1 Quick setup guide (Cont)

For iZone Smart Plugs

4. Turn on the power at the wall outlet

3. Install the iZone smart plugs . (one at a time). The on/off switch will flash red if it has never been paired

5. Press the "Pair" button on the side of iZone smart plug and the pair button on the home screen simultaneously. The on / off button will flash blue to indicate it is pairing
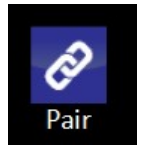
6. Name your smart plug on the app

7. Start controlling your smart plugs via the App
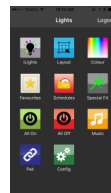
4.2 Equipment

4.2.1 Standard iZone Light & Power control

Lights

Smart Plugs

Customers router or modem

CLB Wireless Light Bridge

Smart phone or tablet

4 Lights and 2 Smart plug system shown above

A maximum of 128 Lights / Smart plugs can be controlled by a single system

4.2.2 iZone Light & Power control with optional wireless wall switches & repeaters

CRFL (optional) Wireless switch with occupancy sensor and light intensity meter including AC thermostat

Customers router or modem

CR (optional) Wireless Repeaters

R

CLB Wireless Light Bridge

iZone Lights

Lights   Logout

iLights   Layout   Colour

Favourites Schedules Special FX

All On   All Off   Music

Pair   Config

Smart phone or tablet

iZone Smart Plugs
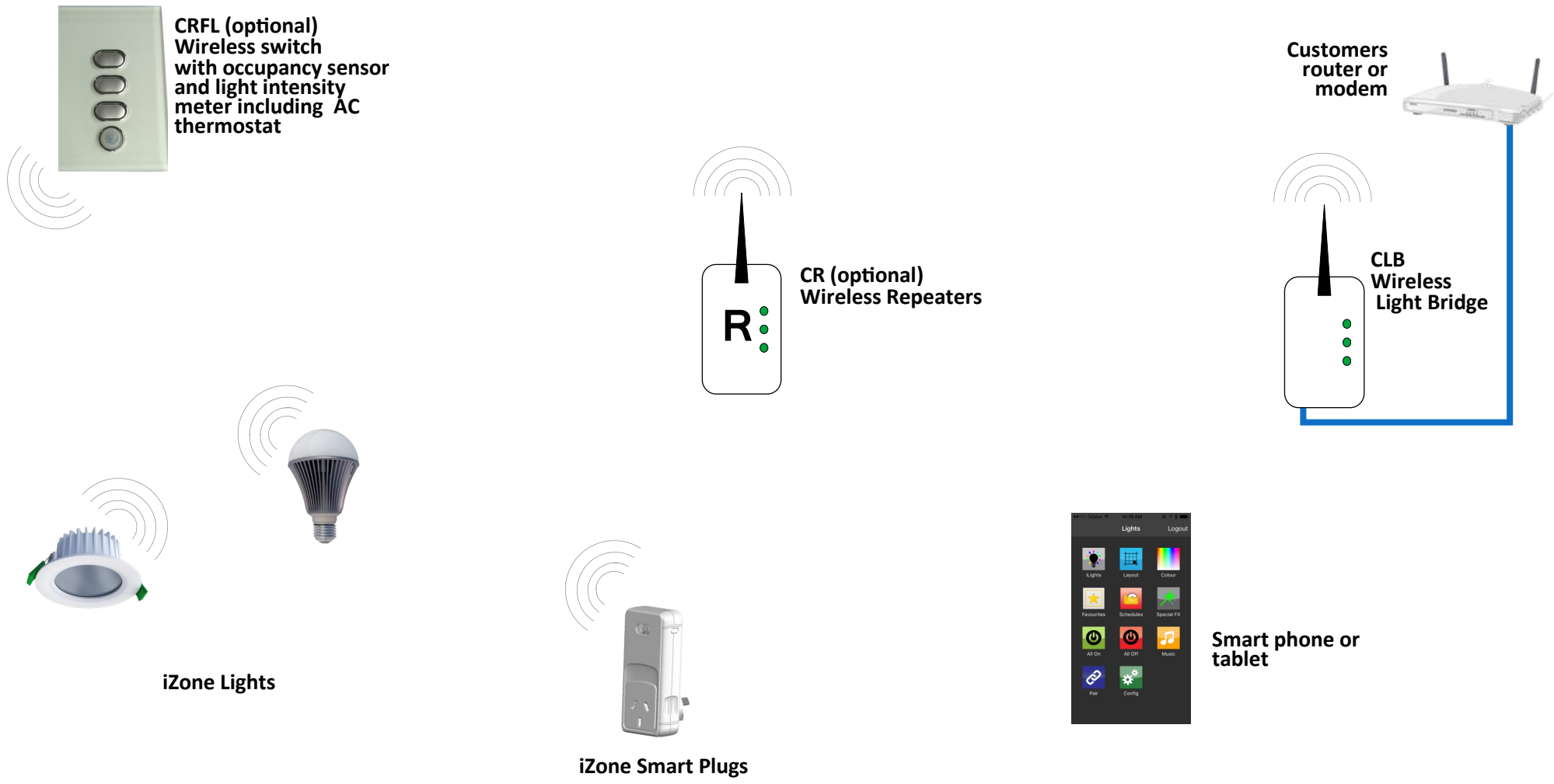
4.3 System requirements for smart phone or tablet control

Smartphone or Tablet

- You will need a smartphone or tablet. The following platforms are supported: Apple and Android.

System Requirements

iOS SOFTWARE REQUIREMENTS

- Compatible with iPhone, iPod touch, and iPad. iOS 6.0 and higher.

ANDROID SOFTWARE REQUIREMENTS

- Requires Android: 2.1 and higher.

WiFi modem or network switch

- You will also need a compatible WiFi modem or network switch with a spare RJ 45 access port. Some WiFi modems, firewalls and security settings are not compatible with the iZone bridge and will need to be changed, or your modem replaced, to enable the iZone app to operate.

4.4 Installation instructions - for smart phone or tablet

1. Download the iZone Home App

    a. You will need an account with the manufacturer of your phone to enable you to download Apps from their respective store.

    b. Apple—Apple App Store

    c. Android—Google Play Store

    d. Login to the respective store.

    e. To search for the iZone App type "iZone Home" into the stores search menu.

    f. Select iZone Home and download the App

2. Connect the bridge to your computer network via an Ethernet port.

Customers
router or
modem

CLB
Wireless
Light Bridge
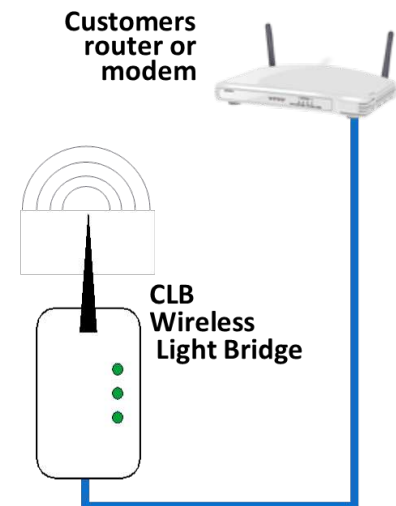
4.4 Installation instructions for smart phone or tablet (continued)

3.   The power pack and bridge can be separated if required.

       Use a Philips screw driver to remove the two screws at the base.

       Separate the two halves. Remove the power adaptor and discard the base.

4.   Plug the bridge into a power outlet, switch the power outlet on. It is recommended to locate the bridge in the centre of the building and as high as possible to maximise the range.

Installing iZone Lamps and Downlights

5.   Remove one iZone Lamp or Downlight, one at a time from the packaging and install it . (one at a time).

6.   Switch the power on to the Light

       a. If the light has never been configured the Lamp / Downlight will flash red, continuously.

4.4 Installation instructions for smart phone or tablet (continued)

7. Press the pair button on the App home screen and the Light will flash green three times, and remain green when it has been successfully paired .

8. Repeat the process one Lamp / Downlight at a time until all the Lamps / Downlights have been paired. You are now ready to configure, name and control the Lights on your App.

    If a Lamp / Downlight does not turn red when it is first switched on, it may have been configured already or configured to another system. See section - Change bridge to return an iZone Light back to its factory settings.

Installing iZone Smart Plugs And Other Devices

6. Switch the power on at the wall outlet

5. Remove iZone smart plug from the packaging and install it . (one at a time).

5. Press the "Pair" button on iZone smart plug and on the home screen simultaneously. The on / off button will flash blue to indicate it is pairing

6. Name your smart plug or device on the touchscreen or app
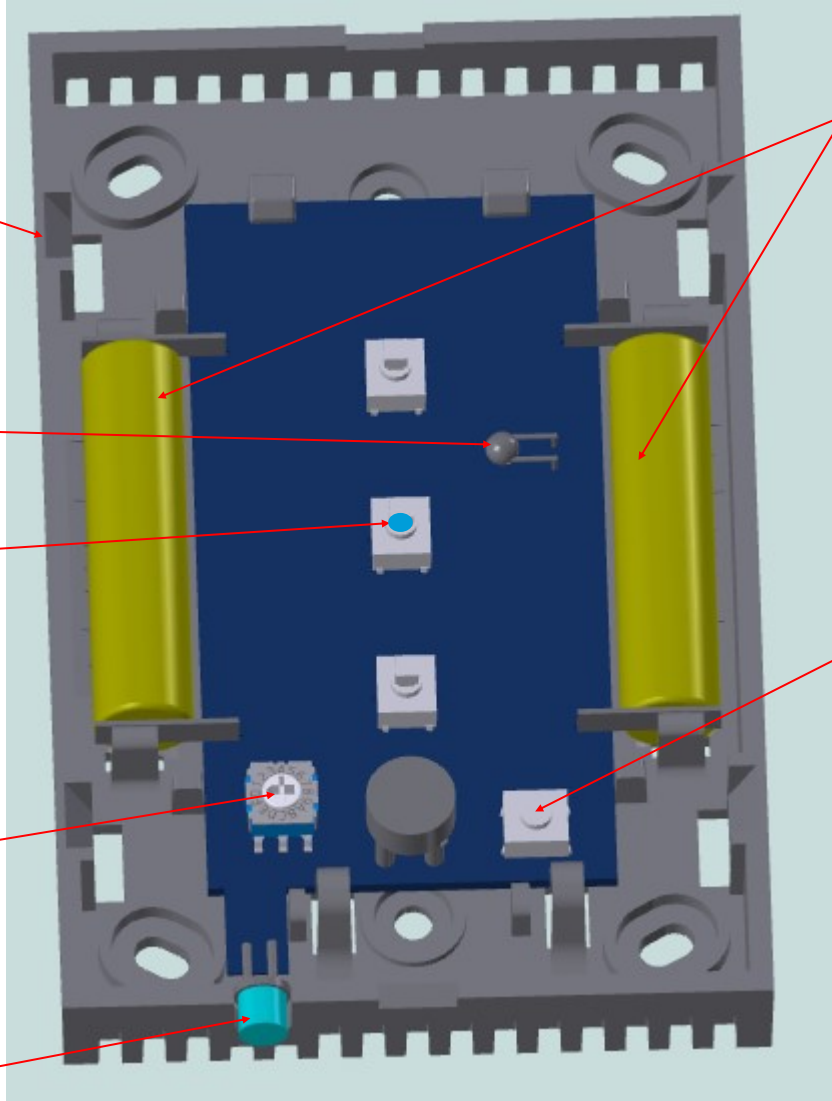
6. Repeat the process for other smart plugs

7. Start controlling your smart plugs via the App
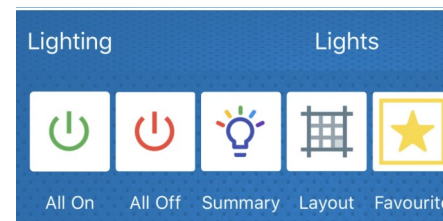
4.4 Installation instructions for smart phone or tablet (continued)

Pairing iZone wireless switches, buttons & sensors

Remove the front cover from the switch (3 button switch shown here). You will need to use a screw driver to release the clips

Install the AAA batteries

iZone AC temperature sensor

Centre LED

If the switch is to be used as an iZone AC room temperature sensor you need to set the zone number it is controlling from here
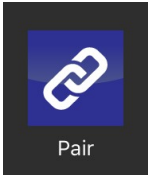
Light sensor

To Pair the Switch

Press and hold down the "Pair" button. The centre LED on the switch will light up blue.

At the same time press the Pair button on the App

The centre LED will flash to indicate it has been paired to the system

Pair

4.5 Setting up your iZone app

Using your iZone App in your local WiFi area

- Download the iZone Home App

- Press the iZone button on your phone or tablet.
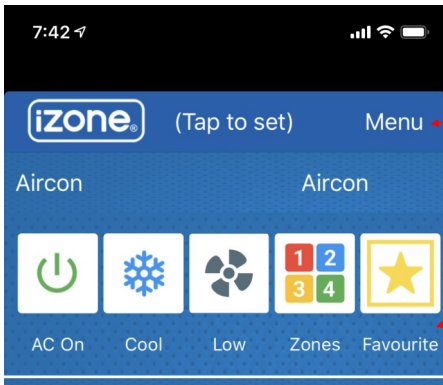
Press Menu on the top right hand corner access other items.

See below

Whiles in your local WiFi area, (The same one the iZone Bridge is connected to) you can control your systems and devices directly from the App
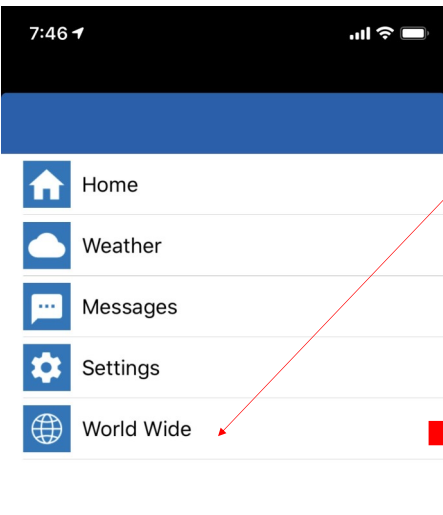
To set up for 4G and other 3 party access like Alexa and Google Home press here and complete the registration
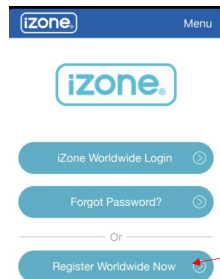
Press here

- You can only have access to the system from outside your local WiFi range <u>after</u> you have successfully registered your system on World Wide.

- To register your system you must :

- Be inside the WiFi area your system is connected to.

- On the App press > Menu > Worldwide > Register Worldwide Now.

- We recommend you complete all the fields making sure you get the Suburb, State and Postcode 100% correct to ensure the correct weather data is displayed on your Nexus screen and App

- You must agree to the Worldwide Terms.

- The App will display all the systems it finds in this WiFi area and will simultaneously register all devices displayed.

- Make sure you remember your password as you will need it when you login via World Wide

- When you login to World Wide there is an option to save your username and password (Login & Remember Me). We recommend you select this option to make it faster and easier to login to your system remotely.

- Do not use iZone World Wide when you are in your WiFi zone unless you have turned off the WiFi on your smart phone or tablet.

4.5 Setting up your iZone app (continued)

c. Install and pair additional repeater modules as required to ensure full and reliable coverage across the whole building.

d. Once your devices are up and running you can test your remote login. To do this you need to simulate being outside your WiFi area:

- On your smart phone go to settings and turn your WiFi **OFF**

- Open the iZone App

- Type in your email address and your password

- We recommend you press "Login & Remember Me" to avoid having to type in the email address and password in future.

- Select the system you are controlling

- Try switching a device on or off

e. Don't forget to switch your WiFi back on.

4.6 Configuration using a smart device

4.6.1 Name a device

Name a Lamp, Downlight or Smart Plug

It is recommended that you name your light or appliance for ease of use.

1. To name your light or appliance go to the summary.

2. Press the current name.

When a device it paired it will automatically generate a name. Press here to change name
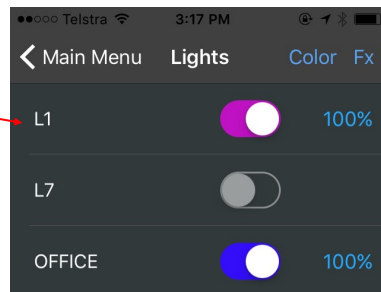
3. Press the current name. This will take you to the Details screen.
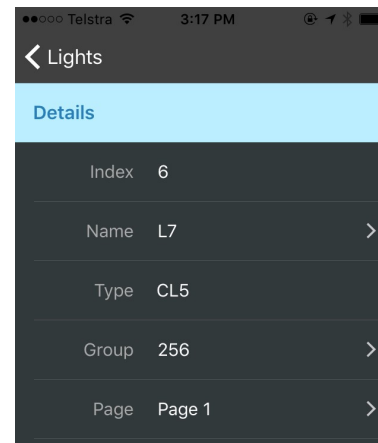
Press here to change name

4.6.1 Name a device (continued)

4. Using the Backspace button , delete the existing name and type in your new name.

5. Press return to save
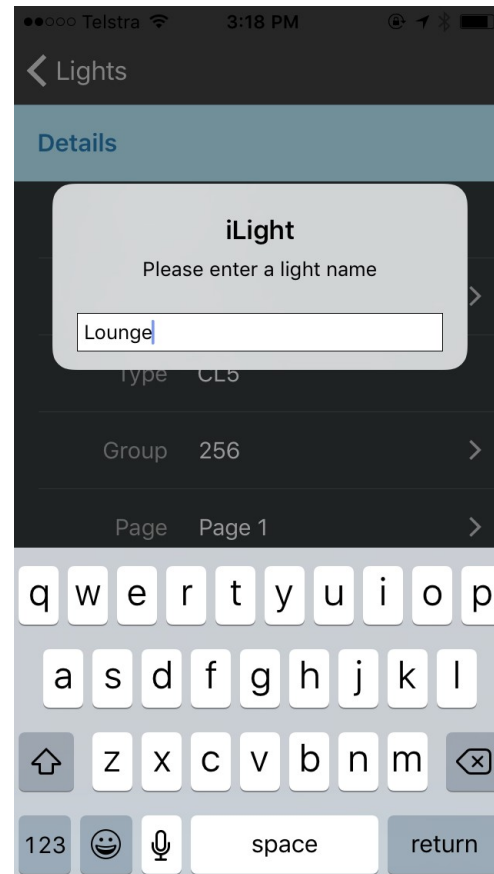
Press here to save the new name

4.6.2 Grouping Devices

1. To group a number of Lights and / or Smart Plugs go to the summary.

2. Press the name of the device you would like to group.

Press here to go to the device details

●●○○○ Telstra 🛜	3:17 PM	⊕ ✈ ⁕ ■▬
‹ Main Menu	**Lights**	Color Fx
L1	⬤━	100%
L7	━⬤	
OFFICE	⬤━	100%

3. This will take you to the Details screen.

●●○○○ Telstra 🛜	3:17 PM	⊕ ✈ ⁕ ■▬
‹ Lights		
Details		
Index	6	
Name	L7	›
Type	CL5	
Group	256	›
Page	Page 1	›
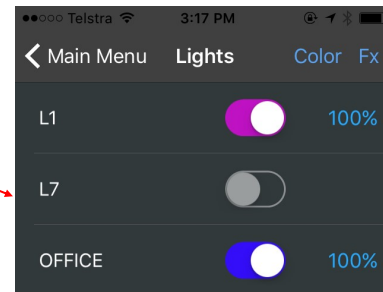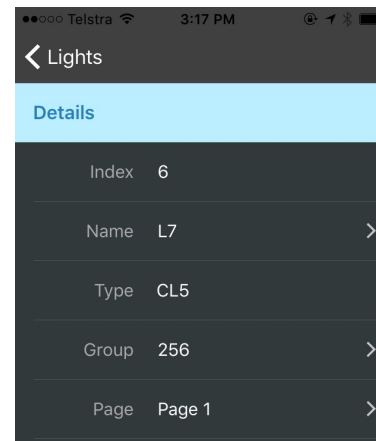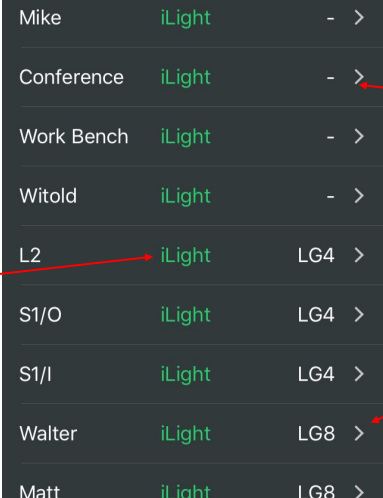
Press here to change the group this device is associated with.

4.6.2 Grouping devices (continued)

4. This will take you to the Group Setup screen.
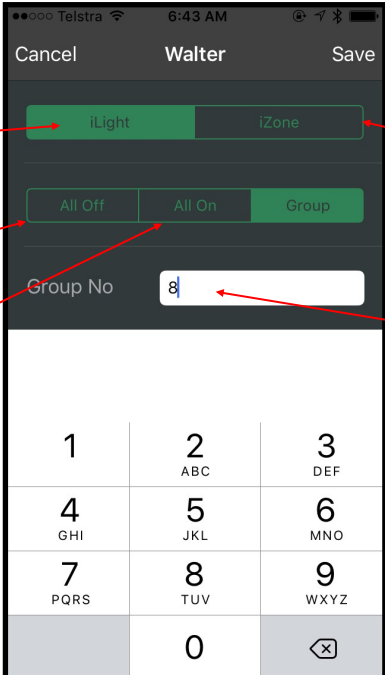
Mike	iLight	-	>
Conference	iLight	-	>
Work Bench	iLight	-	>
Witold	iLight	-	>
L2	iLight	LG4	>
S1/O	iLight	LG4	>
S1/I	iLight	LG4	>
Walter	iLight	LG8	>
Matt	iLight	LG8	>

Indicates this device is not grouped and operates independently

Indicates this group controls a light or power function

Press here to change the group number

Press to save

●●○○○ Telstra   6:43 AM   @ ⚹ ∦ ■

Cancel   **Walter**   Save

iLight   iZone

All Off   All On   Group

Group No   8

Press here if the group relates to a light or power function

Press here if the group relates to an iZone Air conditioning function

Press here if you are grouping an iZone switch button to perform the "All Off" function

Enter a Group number between 1 and 128

Press here if you are grouping an iZone switch button to perform the "All On" function

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
	0	⌫

5.   Enter the new Group number then press Save.

4.6.3 Grouping switches, buttons & sensors

1. To group a switch with one iZone Light or Smart plug or to group a number of iZone Lights and Smart plugs go to the summary.

2. Press the name of the device (Light or Smart plug) that you would like to group this switch to. This will take you to the details screen.

Device name. Press here to go to details screen

●●○○○ Telstra 🛜	3:17 PM	⊕ 📶 ✳ 🔋
‹ Main Menu **Lights**		Color Fx
L1	🟣	100%
L7	⚪	
OFFICE	🔵	100%
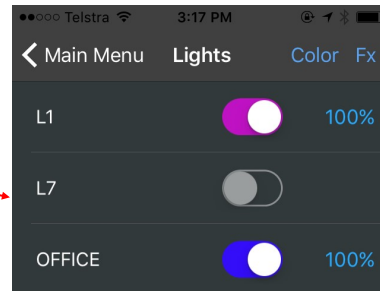
3. Press the "Group" to enter the Group setup screen

●●○○○ Telstra 🛜	3:17 PM	⊕ 📶 ✳ 🔋
‹ Lights		
Details		
Index	6	
Name	L7	›
Type	CL5	
Group	256	›
Page	Page 1	›
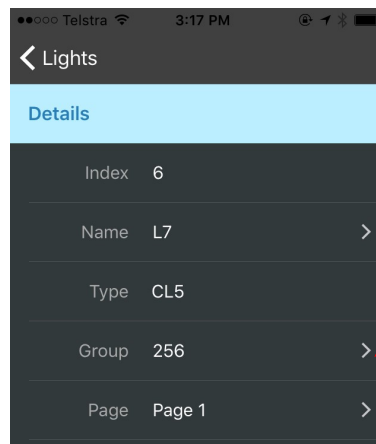
Press here to go to the group set up screen

4.6.3 Grouping switches, buttons & sensors (continued)

4. This will take you to the Group Setup screen.

Sensor and switch numbers are automatically populated when the switch is paired to the system

Light L3 & L4 are in the same group and will operate as one.

Button No. 1 on Switch No. 2 is used to control Light L3 & L4.

Occupancy sensor on Switch No. 2 is used to control L3 & L4

The Light Intensity sensor on Switch No. 2 is used to auto control brightness of L3 & L4.

●●○○○ Telstra	2:43 PM		
‹ L7	**Group Setup**		
L3	iLight	GR: 3	›
L4	iLight	GR: 3	›
S2/B1	iLight	GR: 3	›
S2/O	iLight	GR: 3	›
S2/I	iLight	GR: 3	›
S1/B3	Not Set	GR: 64	›
S2/B2	AC O...	GR: 2...	›
L1	iLight	GR: -	›
L2	iLight	GR: -	›
L2	iLight	GR: -	›

A Typical Switch (S3)

Switch S#

Button B1

Button B2

Button B3

Occupancy sensor "O"

Light intensity sensor "I"

Press here to change the group number and to configure the function of the switch

61
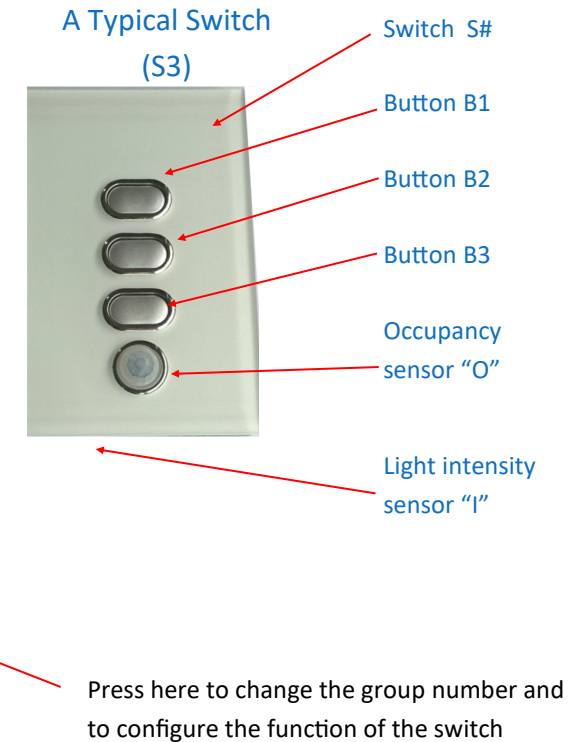
4.6.3 Grouping switches, buttons & sensors (Lights)

Press here to configure this button to control a Light or smart plug group.

Indicates that Switch 1 Button 3 is currently being set up.

Press here to configure this button to control an air conditioning zone or AC system.

Press here to configure this button to be able to operate in the same manner as the "All lights Off" button on the App

Press here to set the group you want to control

Press here to configure this button to be able to operate in the same manner as the "All lights On" button on the App

Indicates that Switch 1 Button 3 will control the devices in group 8

Using the key pad type in the group number

Cancel   S1/B3   Save

iLight   iZone

All Off   All On   Group

Group No   8

1   2 ABC   3 DEF
4 GHI   5 JKL   6 MNO
7 PQRS   8 TUV   9 WXYZ
0   ⌫

Telstra   7:06 AM

62

4.6.3 Grouping switches, buttons & sensors (AC)

Press here to configure this button to control a light or smart plug group.

Indicates that Switch 1 Button 1 is currently being set up.

Press here to configure this button to control an air conditioning zone or AC system.

Press here to configure this button to be able to switch the AC system on and off

Press here to set the AC zone number you want to control

Indicates that Switch 1 Button 1 will control the Zone 1. Pressing this button will toggle zone 1 from "Closed" (red glowing button) to "Climate" (blue glowing button)

Using the key pad type in the group number

●●○○○ Telstra 📶   7:16 AM

Cancel   S1/B1   Save

iLight   iZone

On / Off   Zone

Group No   1

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
	0	⌫

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4.6.4 How to delete a device from your system

On the home screen press the Config button.
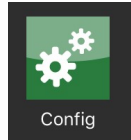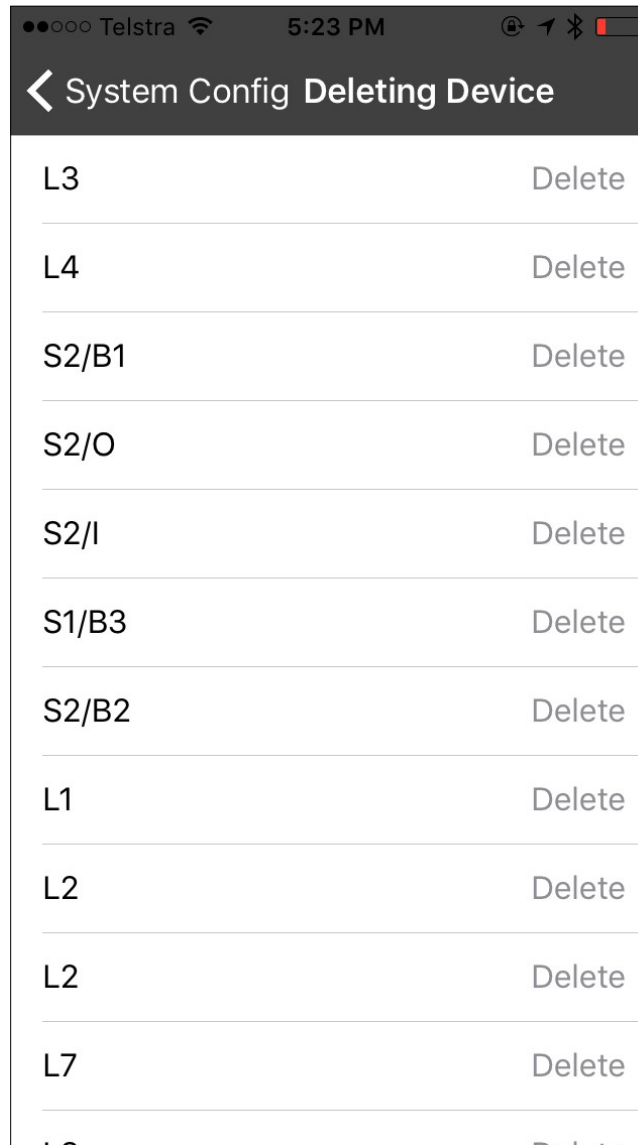
Config

Type in the password "wamfud" and you will be taken to the system Config screen
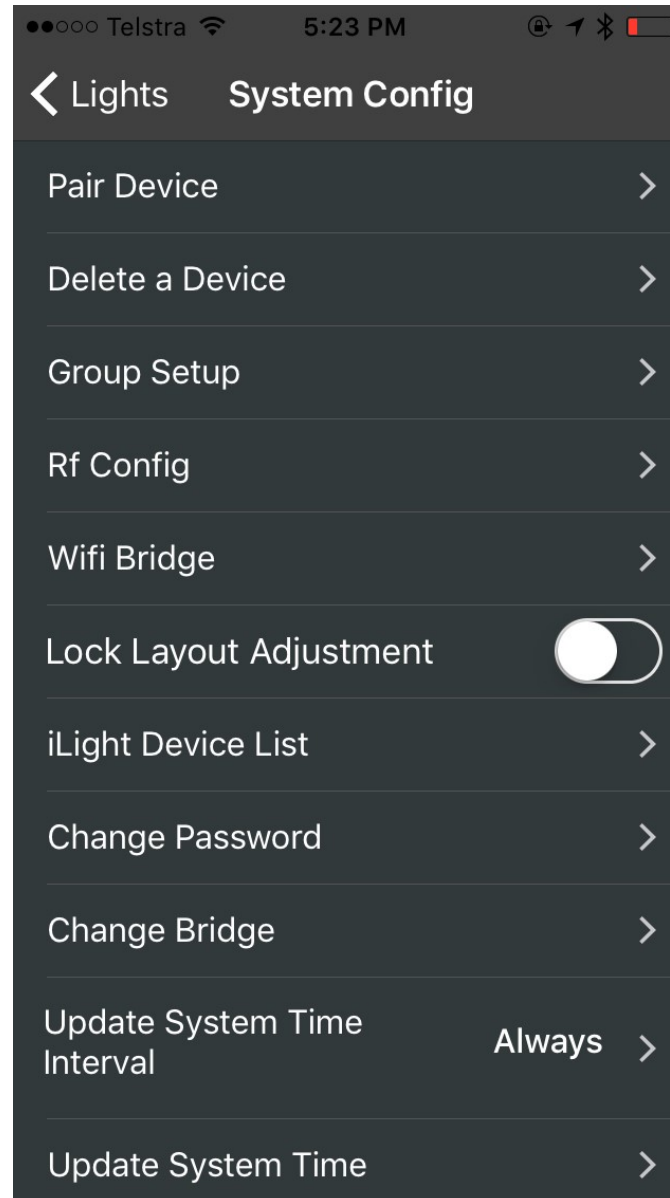
Press here to delete a device. It is recommended that the device you want to delete is connected and powered. This will ensure the device is returned to its factory default settings ready for pairing to another system.

4.6.4 How to delete a device from your system (continued)

Press here to delete device L3

4.6.5 How to change the bridge on an existing system

In the event that your bridge is damaged, missing or stops working and needs to be replaced you must follow these instructions.

Because all the Lights and switches have been paired to a previous bridge it will be necessary to first return each Light to its factory default setting so that it can be re-paired to the new bridge.

On the home screen press the Config button.
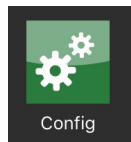
Config

Type in the password "wamfud" and you will be taken to the System Config screen

System Config

‹ Lights

Pair Device ›

Delete a Device ›

Group Setup ›

Rf Config ›

Wifi Bridge ›

Lock Layout Adjustment

iLight Device List ›

Change Password ›

Change Bridge ›

Update System Time Interval — Always ›

Update System Time ›

Follow this procedure to change the bridge:

1. Remove the existing bridge

2. Switch all Lights ON at the power source (light switch)

3. Wait 15 minutes. All Lights should default to cool white and full brightness.

4. Switch the first Light OFF and immediately back ON at the power source. Within 30 seconds press the "Change Bridge Icon"

5. The first Light should turn red. It has now been returned to its default factory setting.

6. One at a time, repeat this process (4 to 5) for the remaining Lights, until all the Lights have been reset to their factory setting.

7. Install the new bridge.

8. Pair the iZone AC system to the new bridge first. (if one is installed)

9. Now pair all lights, switches, smart plugs etc as per normal. It should flash green 3 times and remain green indicating it has paired with the new bridge.

10. Label and group all devices as per normal

11. Your system is now ready to operate via its new bridge.

12. If this is a stand alone system (Not connected to an iZone AC system), you will need to register the new bridge ID on iZone World Wide. Contact support@izone.com.au to delete the old bridge ID from iZone World Wide.

4.6.6 Advanced configuration

Press to go to back to the home page

Press here to pair a device

Press here to delete a device

Press here to go to Group Setup screen

Press here to change the radio frequency channel. If this is changed all RF devices must be deleted before changing channel. All RF devices must be re-paired after the channel has been changed.

Press here to manually configure the bridge settings

Press here to lock the system to prevent changes being made

Press here to view a list of devices and their software revisions in this system

Press here to change the custom password

Press here to change the bridge

Press here to change how the izone Light & power system and the smart phone / tablet will automatically sync their time.

Press here to manually sync the izone Light & Power system to the smart phone / tablet's time

Screen content

●●○○○ Telstra 📶   5:23 PM   @ ✈ ✳ 🔋

‹ Lights   **System Config**

Pair Device   ›

Delete a Device   ›

Group Setup   ›

Rf Config   ›

Wifi Bridge   ›

Lock Layout Adjustment   ⬤

iLight Device List   ›

Change Password   ›

Change Bridge   ›

Update System Time Interval   Always ›

Update System Time   ›

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4.7 App user manual

4.7.1 Home screen

Logout of the current system

Press to here to change Light colours, brightness, whites

Press to activate a schedule or to configure a new schedule.

Press to access device special effects menu

Press here to select the music to play.

Press here to switch all devices Off. Only devices that are configured for "All Off" functionality in the details section will be controlled when pressing this button

Press to name your system. You can have up to 5 different systems on your App. Naming them helps you to easily identify each system

Press to access advanced configuration settings

Press here for a summary of devices installed.

Press here to view devices in Layout mode

Press to activate a favourite mode or to configure a new favourite .

Press here to switch all devices On. Only devices that are configured for "All On" functionality in the details section will be controlled when pressing this button

Press to pair a device

Screen labels: Lights, Logout, iLights, Layout, Colour, Favourites, Schedules, Special FX, All On, All Off, Music, Pair, Config, Rename

4.7.2 Summary screen

Press Colour and then the % brightness to change colours

Press to go to the main menu page

Press FX and then % brightness to add a Special Effect to the device

Indicates Light colour and that this Light is ON. Press here to switch the Light OFF

Indicates this device is OFF

Indicates device is OFF. Press here to switch the device ON.

Indicates this device has:

a) no power and has been switched off at the wall switch / GPO. Switch "on" power to enable device to be controlled, or

b) lost communications with the bridge or is out of range

Default name. Automatically generated when device is first paired. Press here to change name

Indicates this device will automatically come on in conjunction with an alarm clock setting. Press to access FX menu for this device

device name. Press here to change name or access details

Indicates this light's brightness is 51%. Press to change

●●○○○ Telstra 1:23 PM

‹ Lights   Lights   Color Fx

Walter   100%

Mike   Off

L3

Work Bench   100%

Witold

Matt   51%

4.7.3 Device layout screen

Press to go to home page

Indicates Light colour and the Light is ON. Press here to switch this Light OFF

Indicates this device has been switched off at the wall switch / GPO. Switch on power to enable device to be controlled.

Press here to go back to the previous page

Indicates page name. Press to change

Indicates this page is locked. Press "Unlock" to modify the layout

The same name Indicates these two Lights are in the same group

Indicates this devices's name.

Indicates light is OFF. Press here to switch light ON.

Press here to scroll to the next page

4.7.4 Colour picker

Indicates Light name that is being controlled. Press here to go to light details

Press to go to Special Effects menu

Current colour selected. For very fine colour selection see details screen

Current colour selected

Press here to select a primary colour

Press here to switch this Light OFF

Press here to go to the white wheel selection

Slide here to decrease or increase the brightness of this Light. (For very fine tuning see details screen

Press here to go back to the previous Light

Press here to go to next Light

4.7.5 White wheel

Indicates light that is being controlled.

Press to go to special effects menu

Press to go back to the home page

Current white selected (90% warm white). Move dial to change from warm to cool white

Press here to go to maximum cool white

Press here to go to maximum warm white

Press here to switch this Light OFF

Press here to go to the colour picker selection

Slide here to decrease or increase the brightness of this Light. (For very fine tuning see details screen

Press here to scroll back to previous Light

Press here to go to next Light

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4.7.6 Special effects

Indicates device name being controlled

Press to go to back to main menu

Press here to switch this device OFF

Toggle here to change the speed that this Light changes from Off to full brightness and from full brightness to Off

Press to activate best white for relaxing

Press to activate candle effect

Press to set alarm . device will come on when this alarm is activated. (only available on smart device App)

Press to activate occupancy sensor for this device. Dedicated hardware is required for this feature to be enabled

Press to select music and to control Light to the rhythm of the music. (only available on smart device App)

Press here to scroll to the previous

Press to activate best white for reading and concentration

Press to rotate through the primary colours. Use in conjunction with accelerator for varying effects

Press here to for this device to switch on randomly between 6:20pm and 10:48pm when you are away on holiday

Press here to activate circadian lighting to match standard circadian rhythm.

Switch Auto brightness control on / off here. Dedicated hardware is required for this feature to be enabled

Slide here to set the target brightness when operating in Auto brightness mode. Dedicated hardware is required for this feature to be enabled

Press here to scroll to the next device

●●○○○ Telstra 🛜   3:48 PM   🔒 ⬀ ⁂ ▬

‹ Color - Walter **Walter**

On   Fast   Reading

Relaxing   Candle Light   Rotate

Alarm   iSense   Holiday

Music   Circadian   Auto Brightness

Brightness : 80%

Previous   **Next**

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4.7.7 Device details

To navigate here from the Home screen press > Lights > Light name

Press to go back to the summary screen

Indicates you are in the device details menu

Current name for this device

Type of device installed

The group that this device belongs to. All lights, smart plugs , switch buttons and sensors in this group will operate together

Device status . Showing as Manual. If "No Power" is indicated this has been turned off at the switch

Scroll down to the control page where you can set up associated control scenarios.
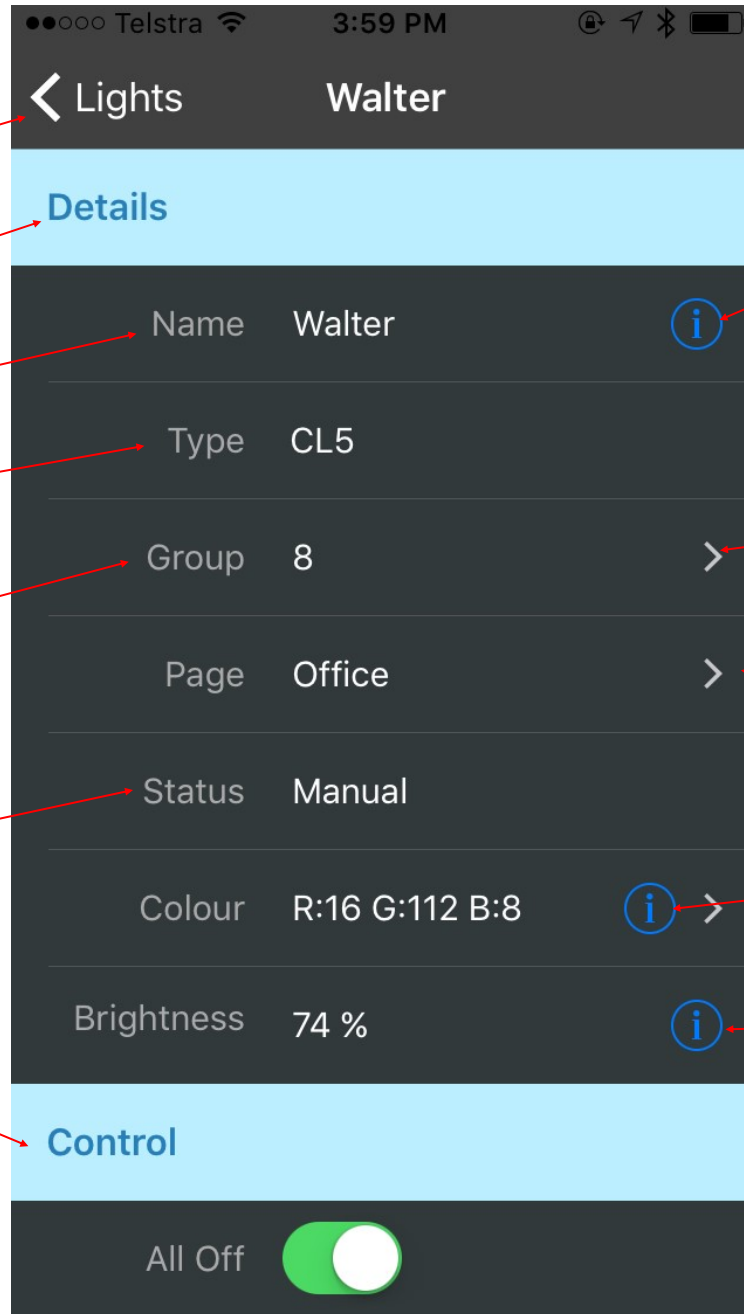
Press here to change the name

Press here to change the group number. 0 or - will ungroup this device and it will operate independently

Press here to change the page that you want this device to be displayed on in Layout mode

Press here to fine tune the light colour. Input the exact RGB mix required

Press here to fine tune the exact light brightness level.

●●○○○ Telstra 🛜   3:59 PM   @ ⌖ ⁎ ▬

‹ Lights   **Walter**

Details

Name   Walter   ⓘ

Type   CL5

Group   8   ›

Page   Office   ›

Status   Manual

Colour   R:16 G:112 B:8   ⓘ ›

Brightness   74 %   ⓘ

Control

All Off   🟢

4.7.8 Device control

To navigate here from the Home screen press > Lights > Light name > scroll down
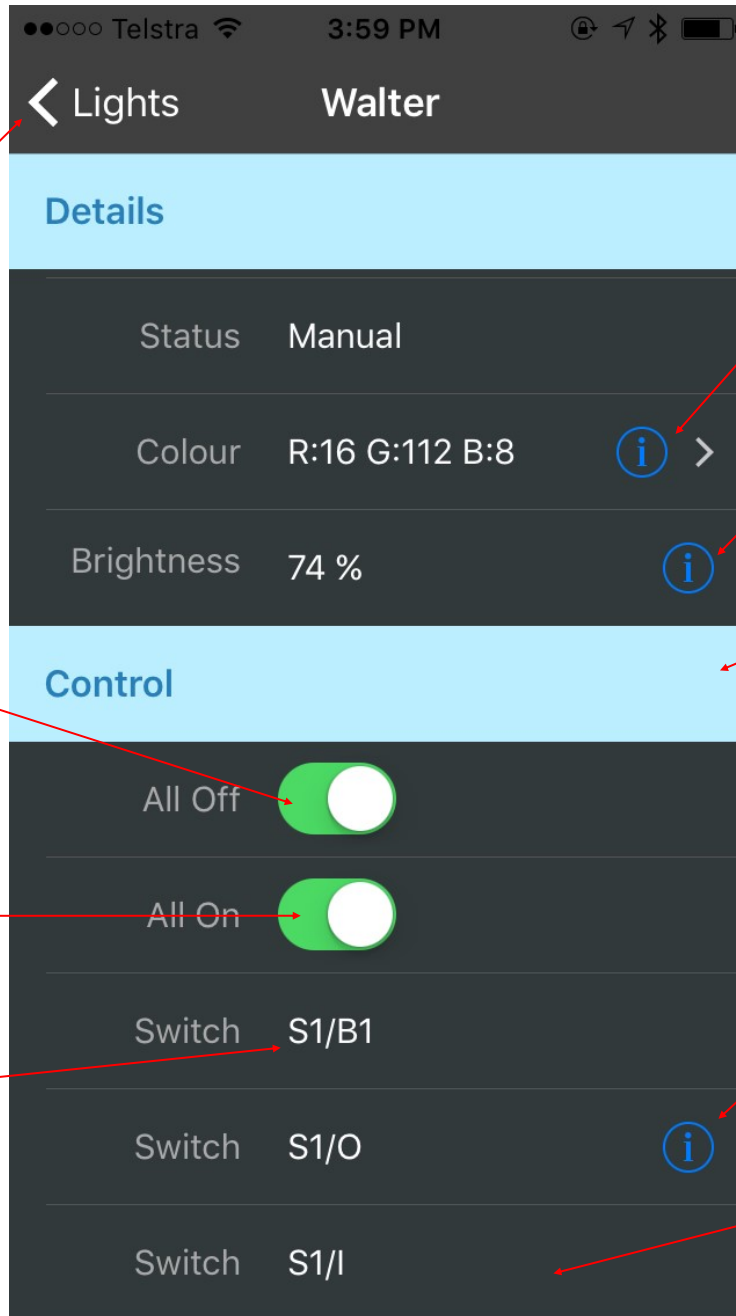
Press to go back to the summary screen

When this switch is on (Green) this device will switch off when the "All Off" button on the home screen is pressed

When this switch is on (Green) this device will switch on when the "All On" button on the home screen is pressed

Indicates button 1 on switch 1 has been configured to switch this device group On and Off

●●○○○ Telstra 📶   3:59 PM   🔒 ⬈ ✳ ▬

‹ Lights   Walter

Details

Status   Manual

Colour   R:16 G:112 B:8   ⓘ ›

Brightness 74 %   ⓘ

Control

All Off   [🟢⬤]

All On   [🟢⬤]

Switch   S1/B1

Switch   S1/O   ⓘ

Switch   S1/I

Press here to fine tune the colour. Input the exact RGB mix required

Press here to fine tune the exact brightness percentage.

Press here to change the group number. 0 or - will ungroup this device and it will operate independently

Indicates that the occupancy sensor on Switch No. 1 is used to control this device. Press here to set up the occupancy controlling strategy

Indicates that the Light Intensity sensor in Switch No. 1 has been configured to auto control brightness for this device.

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4.7.9 Group set up

To navigate here from the Home screen press > Lights > name > Group

Press to go to device details page

Button No. 2 on Switch No. 1 is used to control the iZone air conditioning unit.

Light Walter & L2 are in the same group (8) and will operate as one.

Light ID. This number is automatically generated by the system

This Light has been named Work Bench

Indicates this button has not been grouped and will operate independently.

Lights, smart plugs and switches are automatically sorted by group number

Button No. 1 on Switch No. 1 is used to control all devices associated with Group 8. (Walter & L2)

Occupancy sensor on Switch No. 1 is used for all Lights associated with Group 8

Press here to change the group number for this occupancy sensor

The Light Intensity sensor in Switch No. 1 is used to auto control brightness to Walter & L2.

Press here to change the group number for this light intensity sensor

Press here to change the group number for this button

Group Setup screen:

Device	Type	Group
‹ Walter	**Group Setup**	
S1/B2	iZone	GR: ‑ ›
Walter	iLight	GR: 8 ›
S1/B1	iLight	GR: 8 ›
S1/O	iLight	GR: 8 ›
S1/I	iLight	GR: 8 ›
L2	iLight	GR: 8 ›
Mike	iLight	GR: 5 ›
Conference	iLight	GR: ‑ ›
Work Bench	iLight	GR: ‑ ›
Witold	iLight	GR: ‑ ›

4.7.10 Device occupancy strategy setup

Indicates that the occupancy sensor on Switch No. 1 is being setup. Every occupancy sensor on the system must have its own strategy

The time taken without detecting movement before the first action

The action to occur after delay 1

The time taken without detecting movement after the second action

The action to occur after delay 2

Indicates this device will automatically switch back on once movement is detected.

Switch this function off if you require the user to manually switch the light off and then back on to reset the sensor

Press to save this strategy
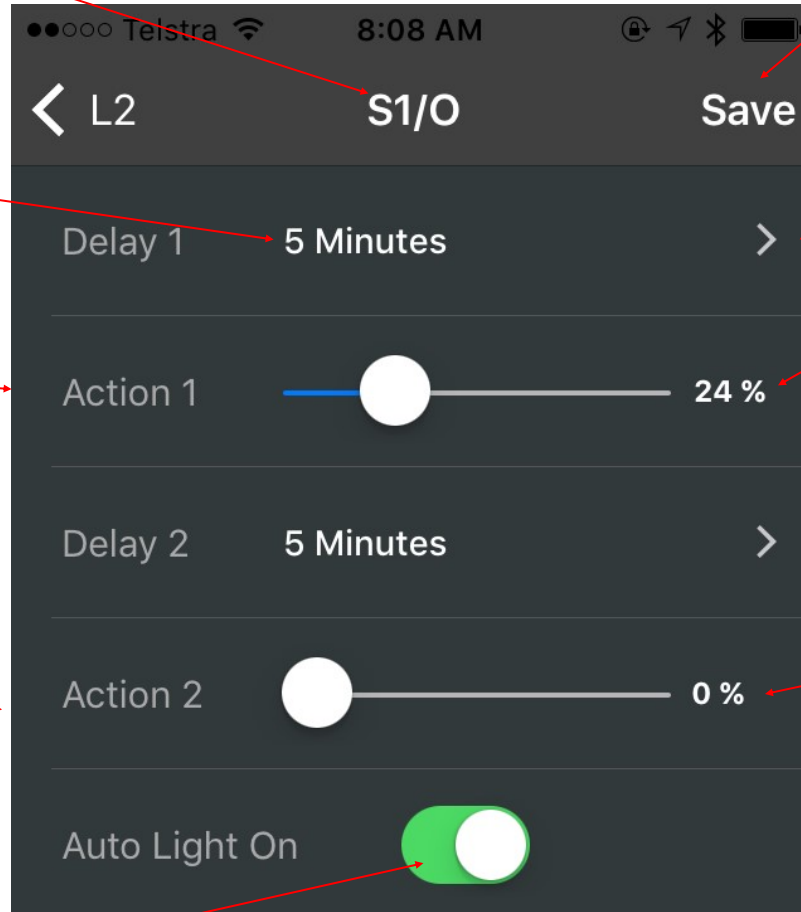
Press here to change delay 1

Press here to change the percentage brightness the Light is adjusted to at the end of delay 1. Currently set at 24% of full brightness

Press here to change delay 2

Press here to change the percentage brightness the Light is adjusted to at the end of delay 2. Currently set at Off

Screen content

•• ○○○ Telstra   8:08 AM

‹ L2   S1/O   Save

Delay 1   5 Minutes   >

Action 1   24 %

Delay 2   5 Minutes   >

Action 2   0 %

Auto Light On

4.7.11 Favourites

To navigate here from the Home screen press > Favourites

Tip!

Set up your Lights and smart plugs using the Colour Picker, White Wheel, and Special FX features then save this set up as a favourite
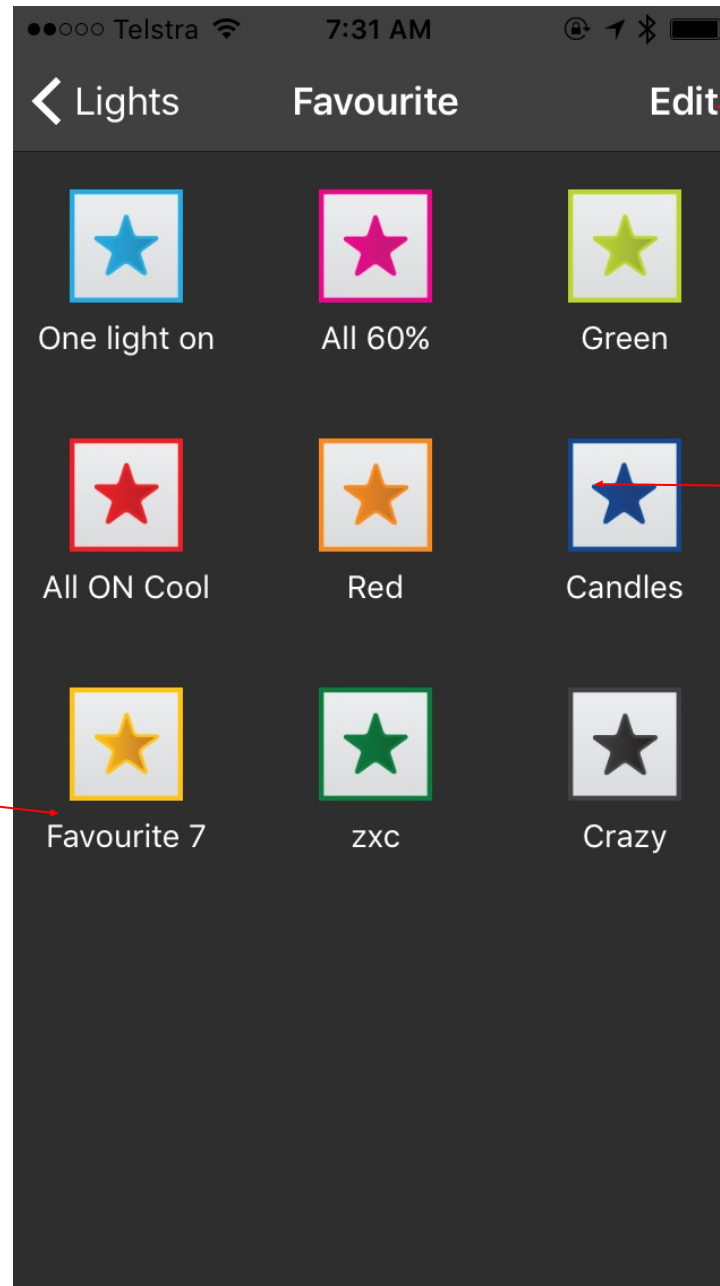
Press here to setup and edit favourites

Press the favourite you would like and the devices will automatically change all the settings for this favourite.

Indicates this favourite has not been named.

●●○○○ Telstra 🛜   7:31 AM   🔒 ⌖ ✳ ▬

‹ Lights   **Favourite**   Edit

⭐ One light on

⭐ All 60%

⭐ Green

⭐ All ON Cool

⭐ Red

⭐ Candles

⭐ Favourite 7

⭐ zxc

⭐ Crazy

4.7.11.1 Editing favourites

Press here to save.

Indicates current favourite being changed.

Press here to change the name of this favourite.

device name.

Indicates what mode you want each device to operate in when this favourite is used. Change each device setting to suit your requirements for this favourite.

If you require a different setting to those indicated, go to your device summary and change the setting to how you would like them to operate for this favourite. Then return to the edit favourite screen, exclude any devices you do not want to be affected by this favourite and press the save button

Indicates these devices have been excluded from this favourite.

Blue tick indicates that this device is included in this favourite

Phone screen content:

●●○○○ Telstra 🛜   8:22 AM   @ ➤ ✲ ▬

‹ Favourite   **Save**

Name   Green

Favourite Light Settings

✓ Walter   ⬤──

✓ L2   ⬤── 100%

✓ Mike   ⬤── 100%

○ Conference   ──⬤ Off

○ Work Bench   ──⬤ 100%

✓ Witold   ⬤── 100%

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4.7.12 Schedules

To navigate here from the Home screen press > Schedules

Tip!

Set up your favourites first and then schedule the time you want the favourite to come on and go off.

Enable the schedule or disable it if you don't want the schedule to operate. Schedules are automatically disabled in holiday mode.
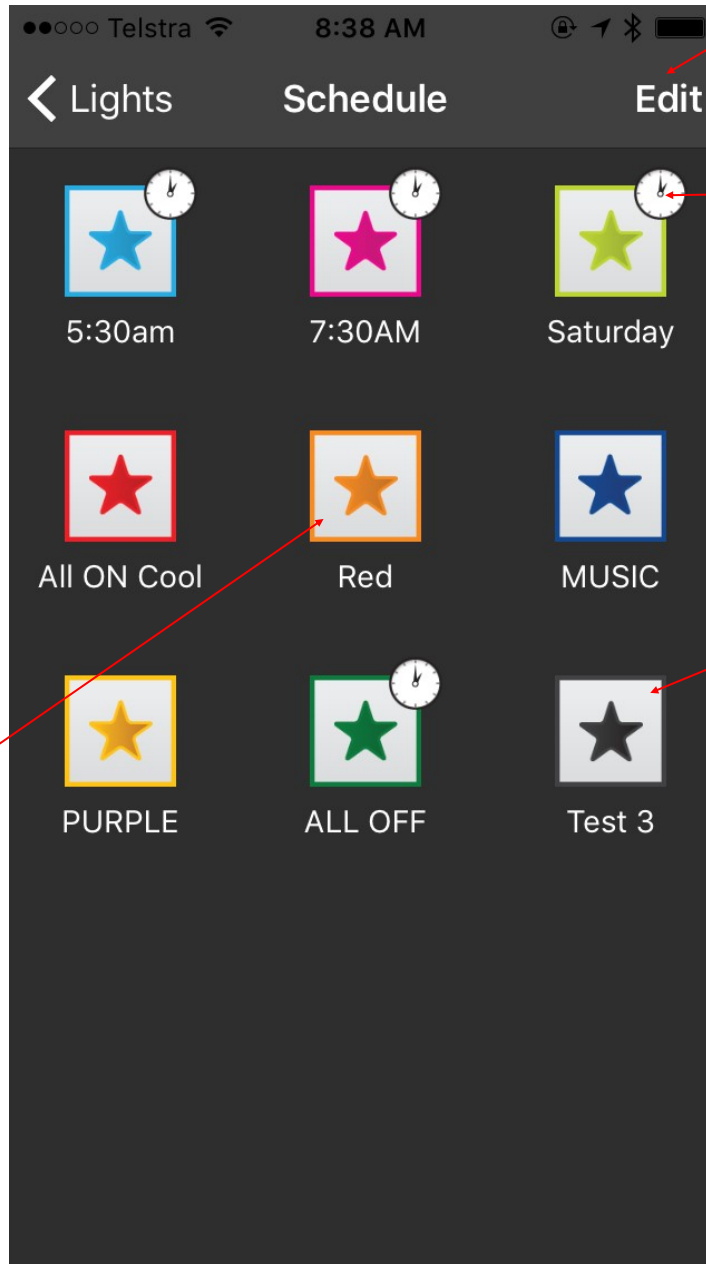
Press here to set up or edit a schedule on any favourite

Indicates an automatic time schedule has been enabled for this favourite.

Indicates the schedule has not been enabled

Any of your favourites can be set to automatically start at any time of your choosing. Press here to enable the time based schedule for favourite (Red)

●●○○○ Telstra 📶   8:38 AM   🔒 ➤ ✳ 🔋

‹ Lights   Schedule   Edit

5:30am   7:30AM   Saturday

All ON Cool   Red   MUSIC

PURPLE   ALL OFF   Test 3

4.7.12.1 Setting and editing a schedule

To navigate here from the Home screen press > Schedules > Edit > The schedule you want to modify

Indicates current schedule that you are changing or setting.

Press here to save your new setting.

Press to add the days you want this schedule to run on.

●●○○○ Telstra   4:49 PM

‹ Schedule   **PURPLE**   Save

Repeat   Mon, Thu ›

Start

6   01
7   02
8   03   AM
9   04   PM
10   05

Spin hour, minute and AM/PM to set the start time

Stop   No Stop Time ⬤

Press here if no stop time is required.

2   46
3   47   AM
4   48   PM
5   49
6   50

Spin hour, minute and AM/PM to set the stop time

4.7.13. Setting an alarm

Tip:

Set your accelerator to "Wake" setting for those Lights used for alarms, so that the light comes on very slowly.

Press here to save your alarm settings

Press here to enable / disable this alarm.

Press here to set the days of the week you want this alarm to work on

Spin to adjust the hours, minutes and AM / PM.

●●○○○ Telstra 🗢   4:45 PM

❮ Walter   Save

Enable Alarm

Repeat   Sun, Mon, Wed, Thu, Fri ❯

11   01

12   02   AM

1   03   PM

2   04

3   05

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4.7.13.1 Snooze and cancel the alarm

How the alarm and snooze functions display and are controlled may vary from smart device to smart device.

Indicates current date and time.

This is displayed when the audible alarm sounds.

Slide to the right to stop the alarm. When the alarm is stopped the device will turn on.
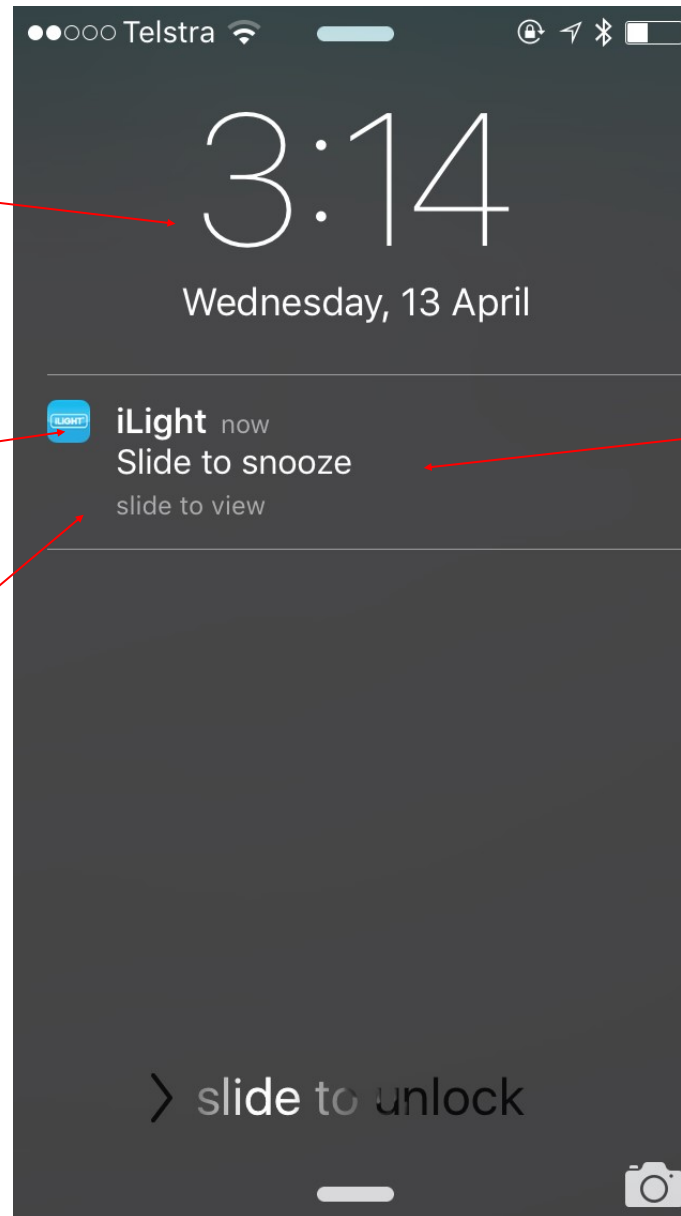
Slide to the left and a 10 minute snooze button will appear. Press the snooze button for a 10 minute delay before the alarm sounds again. You can also switch the alarm off from the snooze mode. Hit the X button.

●●○○○ Telstra 🔒

3:14

Wednesday, 13 April

iLight now
Slide to snooze
slide to view

〉 slide to unlock

4.7.14 Music

To navigate here from the Home screen press > Music

To select which Light you want to sync with the music you need set the Light to music in the special effects menu .

List of last 5 songs played.

In Custom mode you can change the colours of the Lights from this screen using the RGB sliders

To sync the lights to an external sound source, press Microphone and place the device close to the sound source

Current song playing

Press here to allow the system to select different colours automatically.

Press to stop the music

Press to pause the music

●●○○○ Telstra 📶   1:08 PM   🔒 ✈ ✳ ▬▬

‹ Lights   Music Play

Last Played Song

Xavier

Long Enough To Disappear

Long Enough To Disappear

Custom   Auto Mixer

Red

Green

Blue

Microphone

5.0 TOUCH SCREEN CONTROL

5.1 Equipment for control with wall mounted colour touch screens

CT24AC

CC220

CCTS

Lights

Smart plugs

Customers router or modem

CLB Wireless Light Bridge

4 Light system with 1 colour touch screen shown above

A maximum of 128 devices and 12 wall mounted colour touch screens can be configured to operate as a single system

Note:

Some special effects are not available on the wall mounted colour touch screen

5.1.1 Integrated iZone light, power, garage door, irrigation & AC control

Zone 2

Zone 4

CCTSL

Zone 1

Zone 3

Zone 5

Wireless garden
irrigation
(Max 24 stations)

Smart phone or
tablet

Customers router or
modem

CT24AC

CC220

C320#

Garage door

CRFL (optional)
Wireless device switch
with occupancy sensor
and light intensity
meter including AC
thermostat

CLB
Wireless
 Light Bridge

AC Unit

Lights

iZone Smart Plugs

5 Zone system with 1 colour touch screen shown above

A maximum of 14 zones, 128 light / power devices and 12 colour touch screens can be supported by one combined iZone system

5.2 Installation instructions for touch screen control

1. If using smart phone or tablet control as well as touch screen control it is possible to use either method to install devices. Below is a description on how to install your Lights and smart plugs if you only have an iZone touchscreen without a smartphone or tablet control

2. Connect the bridge to your computer network via an Ethernet port on your modem.
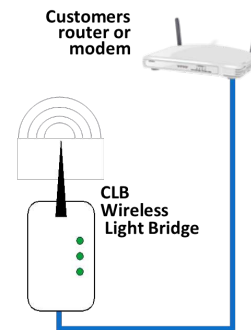
3. Plug the bridge into a power outlet and switch the power outlet on. It is recommended to locate the bridge in the centre of the building and as high as possible in order to maximise the WiFi range.

    a) Pair the bridge to the air conditioning system by pressing and holding the Pair button on the Light bridge while simultaneously pressing the Pair button in the air conditioning section of the iZone touch screen

4. The power pack and bridge can be separated if required

    Using a Philips head screw driver remove the two screws at the base.

5.2 Installation instructions for touch screen control only (continued)

Separate the two halves. Remove the power adaptor and discard the base.

Installing iZone Lamps and Downlights

5.   Remove the lamp / downlight from the packaging and install the light (one at a time). Only configure one light at a time.

6.   Switch the power on to the Light. If the Light has never been configured the light will flash red.

 =
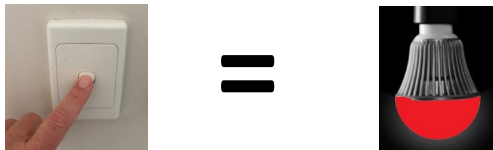
7.   Press the Pair button on the touchscreen and the Light will flash green 3 times then remain green once it has been paired successfully.

 =
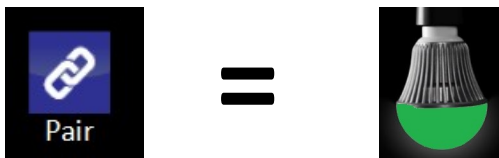
8.   Repeat the process one light at a time. You are now ready to configure, name and control the lights on your touch screen.

If a light does not turn green when it is first switched on it may have been configured already or configured to another system. See the section on trouble shooting and how to return a light back to its factory default settings.

9.   If required install and pair repeaters as required to ensure full and reliable coverage across the whole building.

5.2 Installation instructions for touch screen control only (continued)

Installing iZone Smart Plugs

5.   Remove iZone smart plug from the packaging and install it . (one at a time).

5.   Press the "Pair" button on smart plug and on the iZone Light and Power home screen simultaneously. The on / off button will flash blue to indicate it is pairing
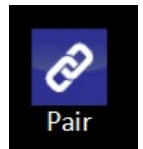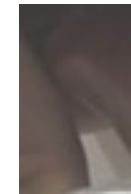
6.   Name your smart plug on the touchscreen

6.   Repeat the process for other smart plugs
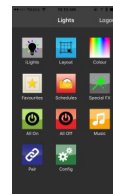
7.   Start controlling your smart plugs via the touchscreen

5.3 Installing and pairing wireless switches / sensors

Remove the front cover from the switch (3 button switch shown here). You will need to use a screw driver to release the clips

Install the AAA batteries

iZone temperature sensor

Centre LED

If the switch is to be used as an iZone room temperature sensor you need to set the zone number for the zone it is controlling here

Light sensor
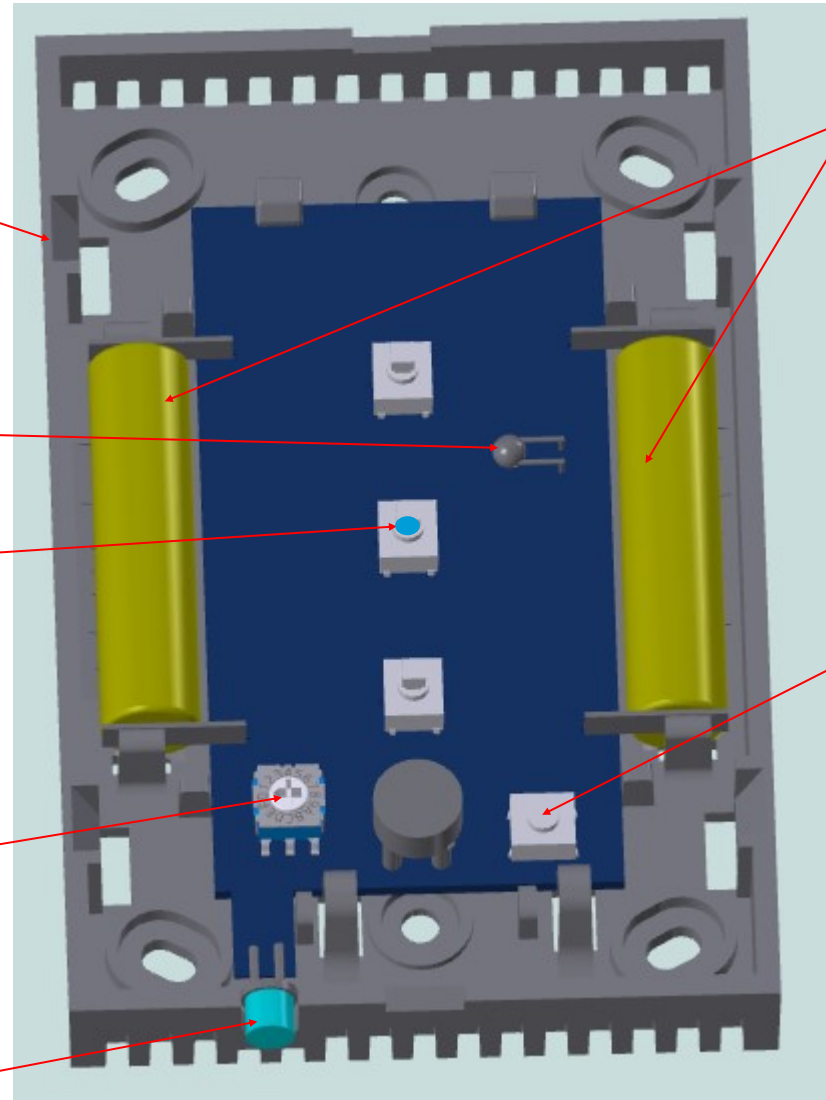
To Pair the Switch

Press and hold down the "Pair" button. The centre LED on the switch will light up blue.

At the same time press the Pair button on the screen

The centre LED will flash to indicate it has been paired to the system

Pair
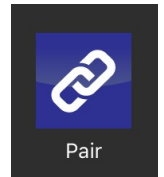
5.4 Configuration

5.4.1 Name an device

It is recommended that you name your devices for ease of use.

1. To name your device go to the summary.

2. Press the current name. This will take you to the setup screen.

device name. Press here
to change name
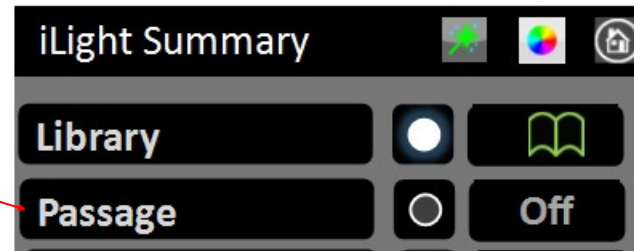
3. Press the pencil adjacent to the current name.

4. Delete the existing name and type in your new name.

5. Press enter to save
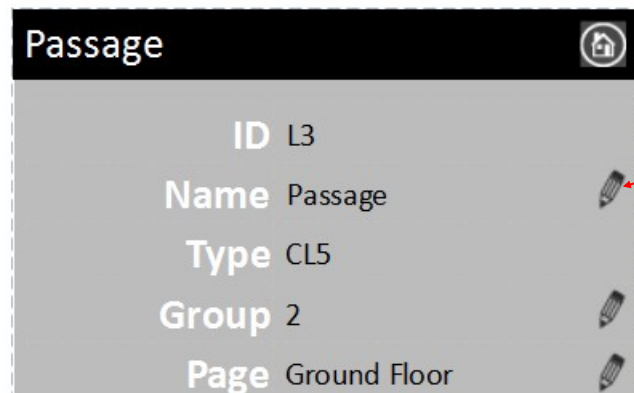
Press here to change the name

5.4.2 Grouping switches & sensors

1. To group a switch with an device or group of devices go to the device summary.

2. Press the name of the device you would like to group this switch with. This will take you to the Lamp details screen.

device name. Press here to group

3. Press the pencil adjacent to the "Group".
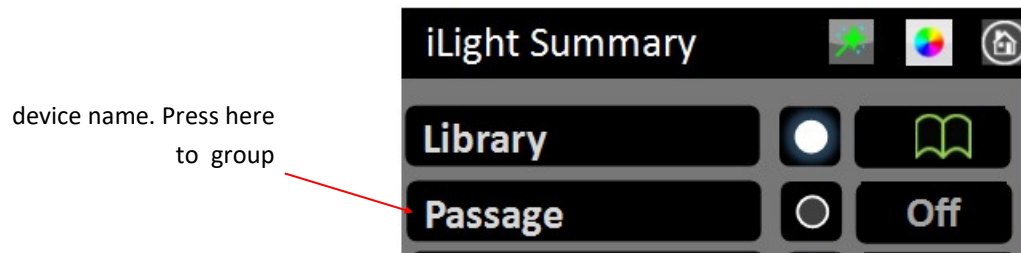
Press here to go to the group set up screen
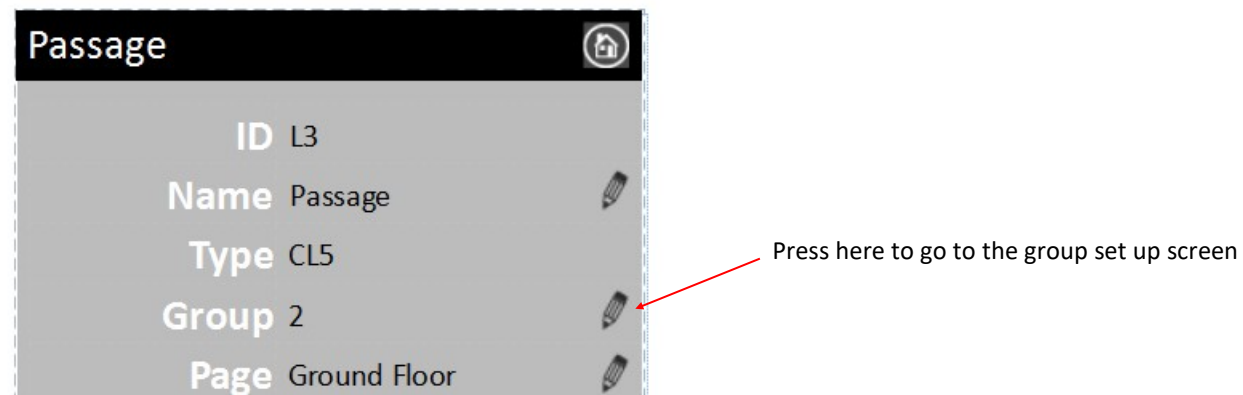
5.4.2 Grouping switches & sensors (continued)

4. This will take you to the Group Setup screen.

Sensor and switch numbers are automatically populated when the switch is paired to the system

device L3 & L6 are in the same group and will operate as one.

Button No. 1 on Switch No. 3 is used to control device L3 & L6.

Occupancy sensor on Switch No. 3 is used to control L3 & L6.

The Light Intensity sensor in Switch No. 3 is used to auto control brightness of L3 & L6.

ID	Group	
L1	-	✎
L2	-	✎
L4	-	✎
L5	-	✎
L3	LG2	✎
L6	LG2	✎
S3/B1	LG2	✎
S3/01	LG2	✎
S3/I1	LG2	✎

Next	Previous	↩ Back

A Typical Switch

Switch S#

Button B1

Button B2

Button B3

Occupancy sensor O1

Light intensity sensor I1
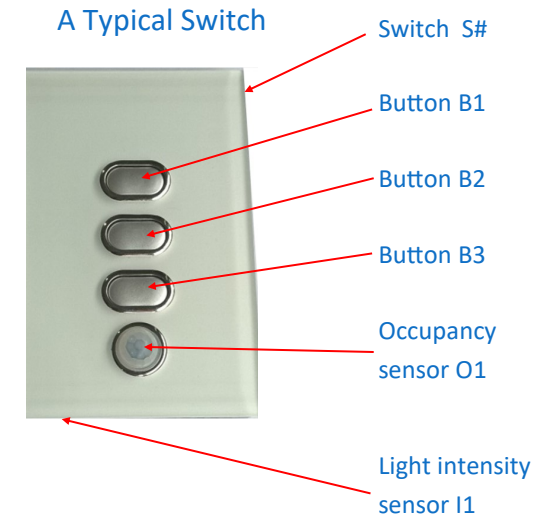
Press here to change the group number. Different prefixes can be used to control different systems. See table below for the prefixes available at the time of printing.

Light Groups	LG#
AC Zones	ZG#
AC Unit On/Off	AC

5.4.3 How to delete an device or switch from your system

9.   To delete a device from your system. Follow the procedure below:

a.   Switch the device On.

b.   On the home screen press the Config button.

c.   Type in the password "wamfud".

d.   Press the pencil adjacent to Delete a device

e.   Press the radio button adjacent to the device to be deleted

f.   If it is a working device it will flash red repeatedly

g.   This device has now been returned to its factory default setting

5.4.4 Advanced configuration

Only use this function if you need to change the bridge in an <u>existing</u> system.

Follow this procedure to change the bridge:

1. Remove the existing bridge

2. Switch all Lights ON at the power source (light switch)

3. Wait 15 minutes. All Lights should default to cool white and full brightness.

4. Switch the first Light OFF and immediately back ON at the power source. Within 30 seconds press the "Change Bridge Icon"

5. The first Light should turn red. It has now been returned to its default factory setting.

6. Pair this Light as per normal. It should flash green 3 times and remain green indicating it has paired with the new bridge. Switch this Light off.

7. One at a time, repeat this process (4 to 6) for the remaining Lights, until all the Lights have been reset and paired to the new bridge.

8. Your system is now ready to operate via its new bridge

Press here to scroll to the Config screen if applicable

---

iLight Config

- Pair a Device
- Delete a Device
- Group Set up
- RF Config
- WiFi Bridge
- Lock Adjustment   🔒 Unlock
- Tag Line 1
- Tag Line 2
- Device List
- Change Password   *********
- Change Bridge

Next   ↩ Back
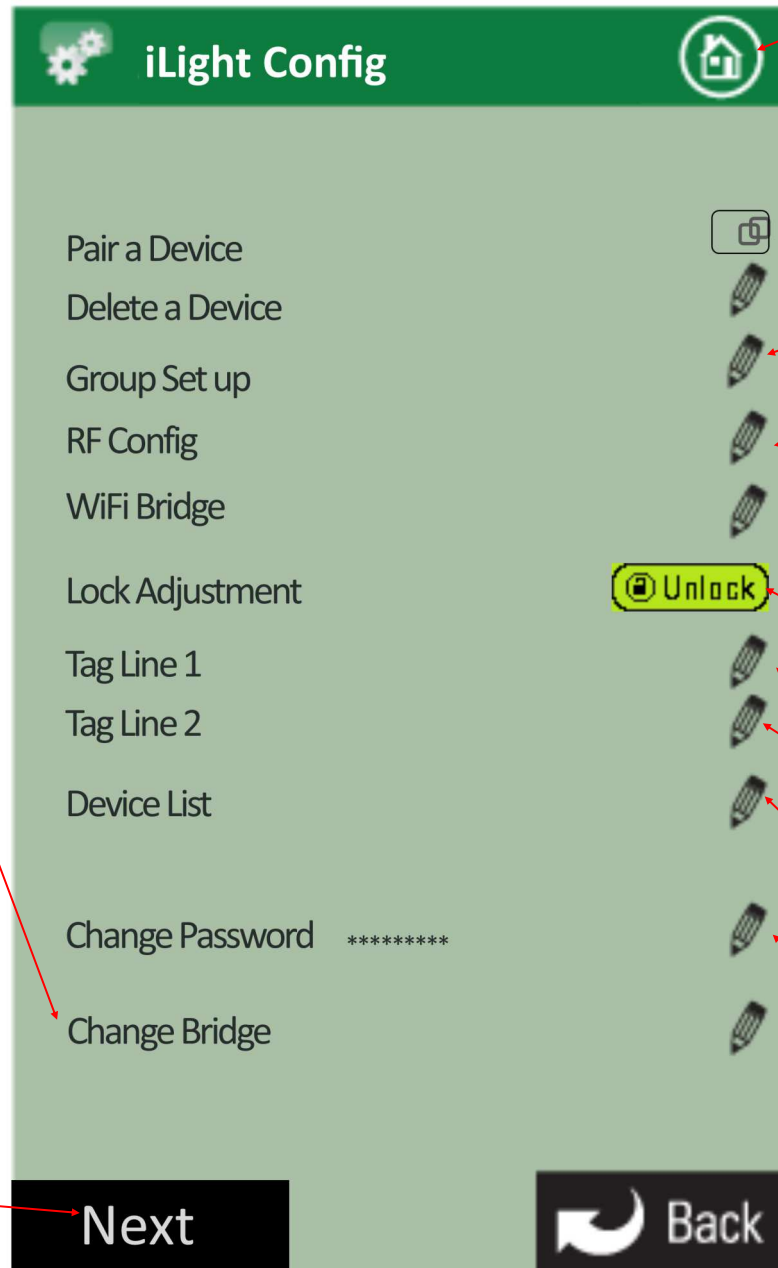
Press to go to home page

Press here to pair an device or switch

Press here to delete an device or switch

Press here to go to group setup screen

Press here to change the radio frequency channel. If this is changed, then all RF devices must first be deleted before changing the channel. All RF devices will need to be paired again after the channel has been changed.

Press here to lock the system to prevent changes being made to the layout screen

Press here to change the tag lines that display at the bottom of the screen

Press here to view a list of devices and their software revisions in this system

Press here to customise your system password

Press here to go back to the home screen

5.4.4 Advanced configuration (continued)

When this option is selected the only way to control the Light is via the Touchscreen, Light RF switch or via the App. The existing 240Volt light switch can only be used to switch the Light on if it's last setting on the App was "on".

Press here if you want you Lights to come on after a power failure or when the light switch has been switched off and back on after 10 seconds. The Lights will come on at their last known "on" mode. For example, if the last time a light was "on" and was at blue 50% brightness and is switched off via the App. If the Light is then switched off and back on after 10 seconds at the light switch it will turn on blue at 50% brightness.

Press here if you want your Lights to come on after a power failure or when the light switch has been switched off and back on after 10 seconds. The Lights will come on at 100% cool white even if they had been previously switched off at the touchscreen or set to a different colour or brightness. This is the factory default setting

Press to go to home page

iLight Config

Mains Power OFF/ON

○ No change

○ Turn on with previous setting

◉ Turn 100% cool white

Find a switch or button

Diagnostics

Back
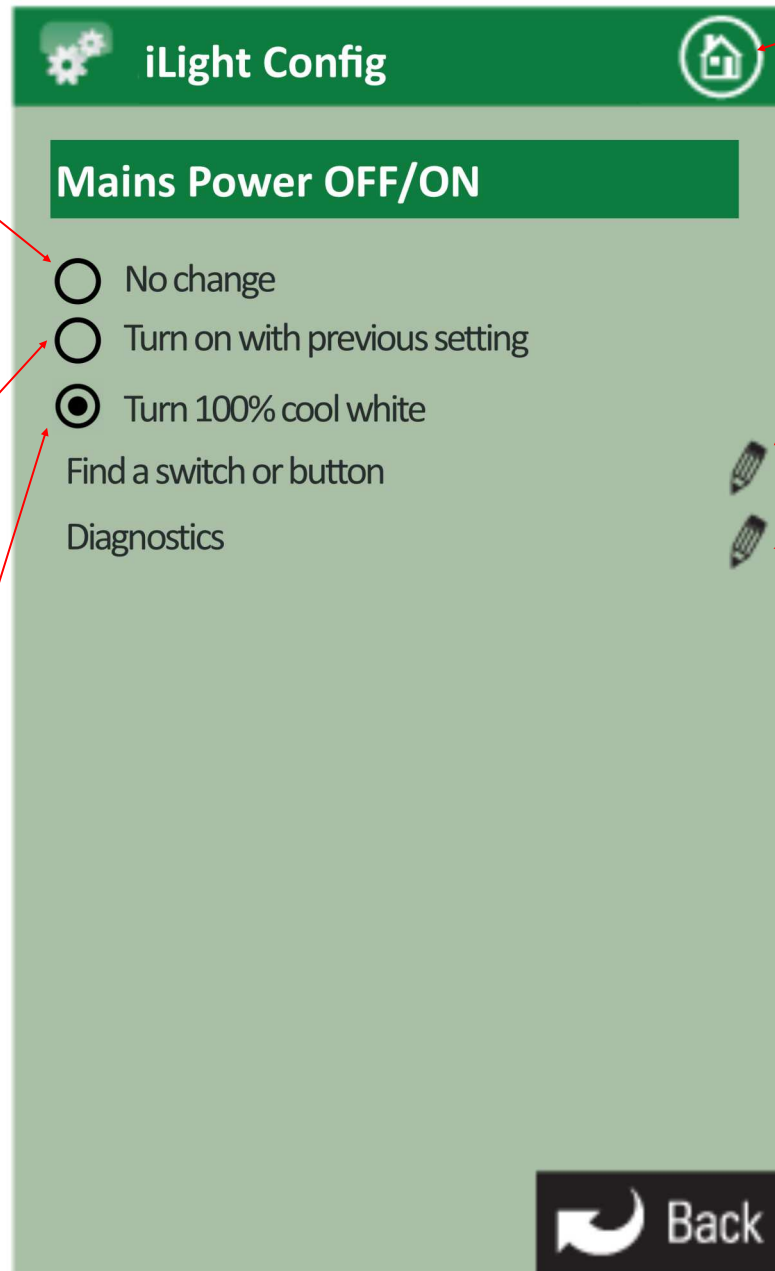
Press here to find which switches and buttons are which. Press a button on a switch and the system will tell you the Switch number and button number you last pressed

Press here to go to the diagnostics section. Here you can scroll through the Lights installed in the system and view variables such as internal Light temperature, Light sensor set point and actual, movement detection and any overrides that are taking place due to temperature, light intensity or lack of movement.

Press here to go back

5.5 Touch screen user manual

5.5.1 Main menu

System date and time

Thursday 05 Jan 2016   2:30PM

Press here to control your air conditioning system

(See iZone manual for details)

Press here to control your systems lights

Aircon   **Lights**   **Time**

Press to set system time and date. This can also be set automatically to sync with your smart phone or tablet.

Settings   **Beep**

Press to change screen settings

Press to activate or deactivate this touch screen's audio feed back (beep on touch).

5.5.2 Home screen

Press here to go back to Main Menu

Press here for a summary of Lights installed.

Press here to view devices in Layout mode

Press to activate a favourite mode or to configure a new favourite

Press here to switch all devices Off

Press here to switch all liLghts On

Press to access advanced configuration settings

Tag line this will vary depending on the installation company.

Thursday 05 Jan 2016   2:30PM

← MAIN MENU

iLights   Layout   Colour

Favourites   Schedules   Special FX

All On   All Off   Pair

Config

iLight Controls

System date and time

Press to here to change light colours, brightness, whites

Press to access lighting special effects menu

Press to activate a schedule or to configure a new schedule

Press to pair an device or switch

WiFi connection

5.5.3 Summary screen

Press to go to Special Effects menu

Press to go to Colour change menu

Press to go to home page

device name. Press here to change name or access details

iLight Summary

Indicates this Light is in Reading mode special effect. Press here to change

Library

Indicates Light colour and Light is ON. Press here to switch Light OFF

Passage — Off

Indicates this Light is OFF

Lounge — 85%

Indicates this Light's brightness is set at 85% of maximum. Press to change

Indicates Light is OFF. Press here to switch Light ON.

Kitchen

Indicates this Light is in holiday mode special effect. Press to change

L8 — OFF

Default name. Automatically generated when Light is first paired. Press here to change name

John Bedside — 35%

Indicates this Light has been switched off at the wall switch / GPO. Switch on power to enable Light to be controlled.

Front Door — 100%

Indicates this device has:

a) no power and has been switched off at the wall switch / GPO. Switch on power to enable device to be controlled.

Study — Auto

Indicates this Light's brightness is being automatically controlled. Press to change

b) Has lost communications with the bridge or is out of range

Sue Bedside

Indicates this Light is operating in Candle special effect. Press here to change special effect.

Press here to scroll up to view previous page

Alfresco — Off

Press here to scroll down to view more devices

Press here to go back to home page

Next   **Previous**   **Back**

99

5.5.4 Device layout screen

Press to go to Special Effects menu

Press to go to Colour change menu

Indicates page name. Press to change

Ground Floor

Press to go to home page

Indicates Light colour and Light is ON. Press here to switch Light OFF

Lounge

Passage

Indicates this page is unlocked. In this mode you can change the layout position of each device. Press here to lock layout. When the layout is locked you can press any device to switch it on and off provided it has power.

Indicates Light is OFF. Press here to switch Light ON.

Passage

Library

Indicates this device has:

a) no power and has been switched off at the wall switch / GPO. Switch on power to enable device to be controlled.

b) Has lost communications with the bridge or is out of range

L8

Kitchen

John Bedside

The same name Indicates these two Lights are in the same group

Kitchen

Front door

Sue Bedside

Indicates this device group name. to change

Press here to scroll up to previous page

Alfresco

Press here to scroll down to next page

Next

Previous

Back

Press here to go back to home page

5.5.5 Colour picker

Indicates Light that is being controlled. Press here to go to Light details)

Press to go to home page

Lounge

Current colour selected. For very fine colour selection
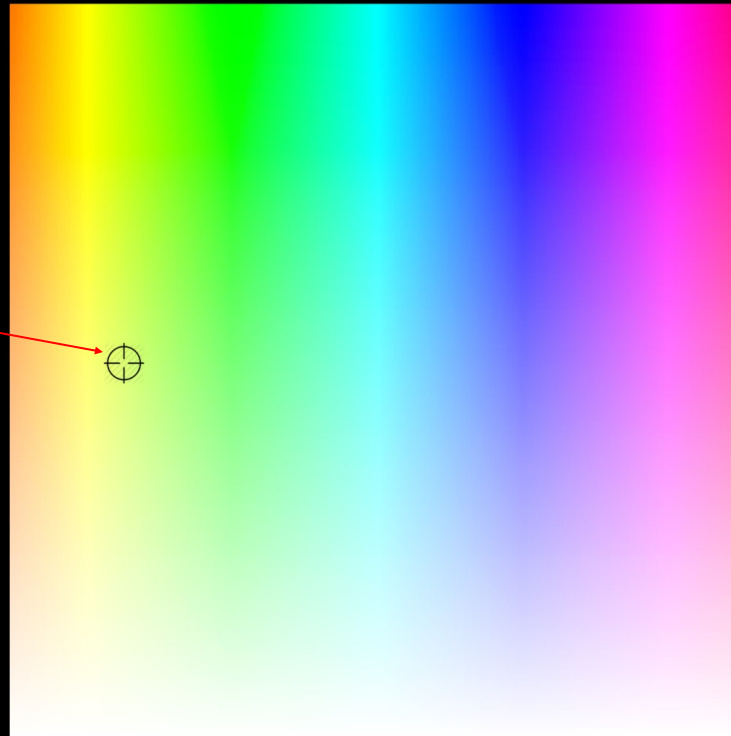
Press here to select a primary colour

Press here to switch this Light OFF

Press here to go to the white wheel selection

Press to go to Special Effects menu

Slide here to decrease or increase the brightness of this Light. (For very fine tuning see details screen)

Press here to scroll up to previous Light

Press here to scroll down to next Light

Press here to go back

Next   **Previous**   **Back**

5.5.6 White wheel

Indicates Light that is being controlled. Press here to go to Light details

Press to go to home page

Lounge

89%
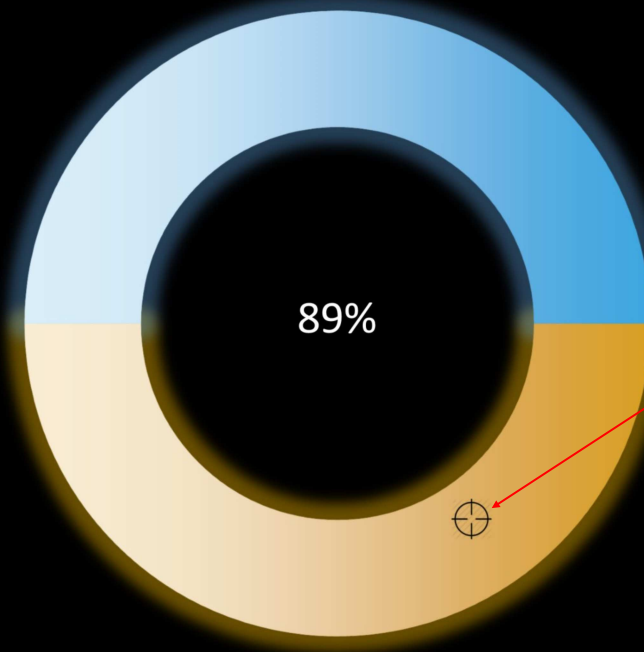
Current white selected. For very fine colour selection see Light details

Press here to go to the colour wheel selection

Press here to select a primary colour

Press here to switch this Light OFF
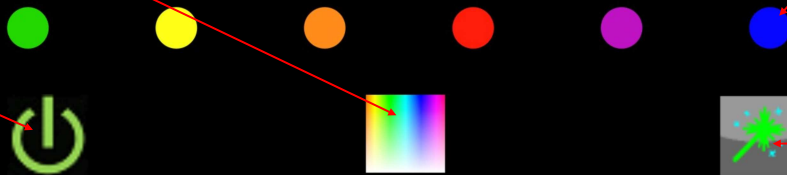
Press to go to Special Effects menu

Press here to scroll up to previous Lights

Slide here to decrease or increase the brightness of this Light. (For very fine tuning see Light details screen

Press here to scroll down to next Lights

Next | **Previous** | **Back**

Press here to go back

5.5.7 Special effects

Indicates device being controlled

Press here to switch this device OFF

Toggle here to change speed this Light changes when switched on and off

Press to activate best white for relaxing

Press to activate candle effect

Green icon indicates this device will automatically turn on when the alarm clock is switched off. (Can only be selected on smart device App)

Press to activate occupancy sensor for this device. Dedicated hardware is required for this feature to be enabled

Green icon indicates this Light will beat to the rhythm of the music. (Can only be selected on smart device App)

Press here to scroll to the next device

Press here to scroll to the previous

Press to go to home page

Press to activate best white for reading and concentration

Press to rotate through the primary colours. Use in conjunction with accelerator for varying effects

Press here to for this device to switch on randomly between 6:20pm and 10:48pm when you are away on holiday

Press here to activate Circadian lighting to match standard circadian rhythm.

Press here to go to the colour picker for this Light

Slide here to set the target brightness when operating in Auto brightness mode. Dedicated hardware is required for this feature to be enabled

Switch Auto brightness control on / off here. Dedicated hardware is required for this feature to be enabled

Press here to go back to home page

Lounge

On

Slow

Reading

Relaxing

Candle light

Rotate

Alarm

iSense is On

Holiday

Music

Circadian

Colour

Auto Brightness

Next   Previous   Back

5.5.8 Device details

Press to go to home page

Indicates device that is being changed

device ID number . This is generated by the system when first paired

Current name for this device

Press here to change the name

Type of device installed

Press here to change the group number. 0 or - will ungroup this device and it will operate independently

The group that this device belongs to. All devices , switch buttons and sensors in this group will operate together

Press here to change the page you want this device displayed on in Layout mode

device status . No power indicates this device has been removed from the fitting or the power has been turned off at the light switch

Press here to fine tune the colour. Input the exact RGB mix required

Press here to fine tune the brightness.

Passage 🏠

ID L3

Name Passage 🖊

Type CL5

Group 2 🖊

Page Ground Floor 🖊

Status No Power

Colour R:91 /G:155/B:213 🖊

Brightness 71% 🖊

Control

All Off ◉

All On ◉

S3/B1

S3/O1

S3/I1 🖊

Indicates this device will be included in the All Off strategy on the home page. Press to exclude from the strategy

Indicates this device will be included in the All On strategy on the home page. Press to exclude from the strategy

Indicates that Button No. 1 on Switch No. 3 is used to control this device.

Indicates that occupancy sensor No. O1 on Switch No. 3 is used to control this device

Indicates that the Light Intensity sensor in Switch No. 3 is used to auto control brightness to this Light.

Press here to adjust the occupancy strategy

Next   **Previous**   🔙 **Back**

Press here to scroll to the next device

5.5.9 Group setup

Press to go to home page

Indicates this device has not been grouped and will operate independently

Press here to change the group number.

device ID. This number is automatically generated by the system

Group Setup

ID	Group	
L1	-	✎
L2	-	✎
L4	-	✎
L5	-	✎
L3	LG2	✎
L6	LG2	✎
S3/B1	LG2	✎
S3/01	LG2	✎
S3/I1	LG2	✎

devices and switches are sorted by group

device L3 & L6 are in the same group and will operate as one.

Button No. 1 on Switch No. 3 is used to control device L3 & L6

Occupancy sensor No. O1 on Switch No. 3 is used to control L3 & L6

The Light Intensity sensor in Switch No. 3 is used to auto control brightness to L3 & L6.

Press here to change the page you want this device displayed on in Layout mode

Press here to change the group number for this device

Press here to change the group number for this button

Press here to change the group number for this occupancy sensor

Press here to change the group number for this light intensity sensor

Press here to scroll up

Next   **Previous**   ↩ **Back**

Press here to scroll down

Press here to go back to device details

5.5.10 Switch occupancy strategy setup

Press to go to home page

Indicates that occupancy sensor No. O1 on Switch No. 3 is being setup. Every occupancy sensor on the system must have its own strategy

S3/O1

Set Occupancy Strategy

Press here to change delay 1

The time taken without detecting movement before the first action

| Delay 1 | 5 min |

The action to occur after delay 1

| Action 1 | 45 % |

Press here to change the percentage brightness the Light is adjusted to at the end of delay 1. Currently set at 45% of full brightness

The time taken without detecting movement after the first action

| Delay 2 | 15 min |

The action to occur after delay 2

| Action 2 | 0% |

Press here to change delay 2

Indicates device(s) will automatically come back on to full brightness when movement is detected. If turned off you will need to switch the device(s) back on at the wall switch or touchscreen

⊙ Auto light on

Press here to change the percentage brightness the Light is adjusted to at the end of delay 2. Currently set at Off

Press here to scroll back to the previous occupancy sensor

Press here to scroll to the next occupancy sensor

Next   **Previous**   **Back**

Press here to go back to the device details

5.5.11 Favourites

Press the favourite you would like and device will automatically change all the settings for this favourite.

Indicates this favourite has not been used.

Press here to setup and edit favourites

5.5.11.1 Assigning and editing favourites

Indicates current favourite being changed.

Press here to change the name of this favourite.

device names.

Indicates what mode you want each Light to operate in when this favourite is used. Change each Light setting to suit your requirements for this favourite.

N/A indicates that these Lights are not affected by this favourite.

If you require a different setting to that indicated, go to your Light and change it first

Press here to go back to the favourites summary. Pressing the back button will save the favourite setting selected.

Scroll up or down to see more devices.

Dinner Party

Dinner Party

Passage	⚫	Off
Lounge	🔵	85%
Kitchen	⚪	22%
Dinning	🟠	🕯
John Bedside	🟣	N/A
Front Door	🟢	100%
Study	⚪	Auto
Sue Bedside	🟠	N/A
Alfresco	🟢	90%

⬆ Up   ⬇ Down   ↩ Back

5.5.12 Schedules

Monday 8 Jun 2015   3:50 PM

Set Schedule

PM Nap   Watch TV   Wake

All Bedrooms   Meals & Living   Dinner Party

Living, Dining, User assign   User assign
Kitchen

Edit schedules   Back

iZone
by Airstream Living Technology

Indicates an automatic time schedule has been enabled for this favourite.

Indicates no automatic time schedule has been enabled for this favourite.

Any of your favourites can be set to automatically start at any time of your choosing. Press here to enable the time based schedule for favourite (PM Nap).

Press here to set up or edit a schedule on any favourite

5.5.12.1 Setting and editing a schedule

Indicates current schedule that you are changing or setting.

Indicates the start time for this schedule.

Indicates the stop time for this schedule.

Indicates the days this schedule will not run. Press the day you want the schedule to apply to.

Press next to see the next schedule.

Monday 8 Jun 2015   3:50 PM

PM Nap

24Hr Time Format

START-08:00

STOP-17:30

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |

Delete this schedule

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	↵
Z	X	C	V	B	N	M	,	.	/
◀	▶	⇧	Space	←

Next   Previous   ↩ Back

iZone
by Airstream Living Technology

Indicates the days this schedule will apply. Press to stop the schedule running on this day.

Press here to clear this schedule.

Press the key pad to change the time. Remember it is in 24 hour format so for 2:30 am type in 0230.

Press the enter button to save your new setting.

Press here to go back to the schedule summary.

5.5.13 Setting the time

Monday 8 Jun 2015   3:50 PM

Set Time

24Hr Time Format

12:30

Current time.

Indicates the minutes are be changed.

01 / 01 / 2011

Date / Month / Year

Current date.

```
1  2  3  4  5  6  7  8  9  0
Q  W  E  R  T  Y  U  I  O  P
A  S  D  F  G  H  J  K  L  ↵
Z  X  C  V  B  N  M  ,  .  /
◄  ►  ⇧       Space        ←
```

Press the left or right arrows to move to the value you want to change.

You must press the enter button to save the changes you have made.

Back

iZone
by Airstream Living Technology

5.5.14 Changing the home screen colour

Slide left / right to adjust the screen brightness.

Slide left / right to adjust the screen saturation.
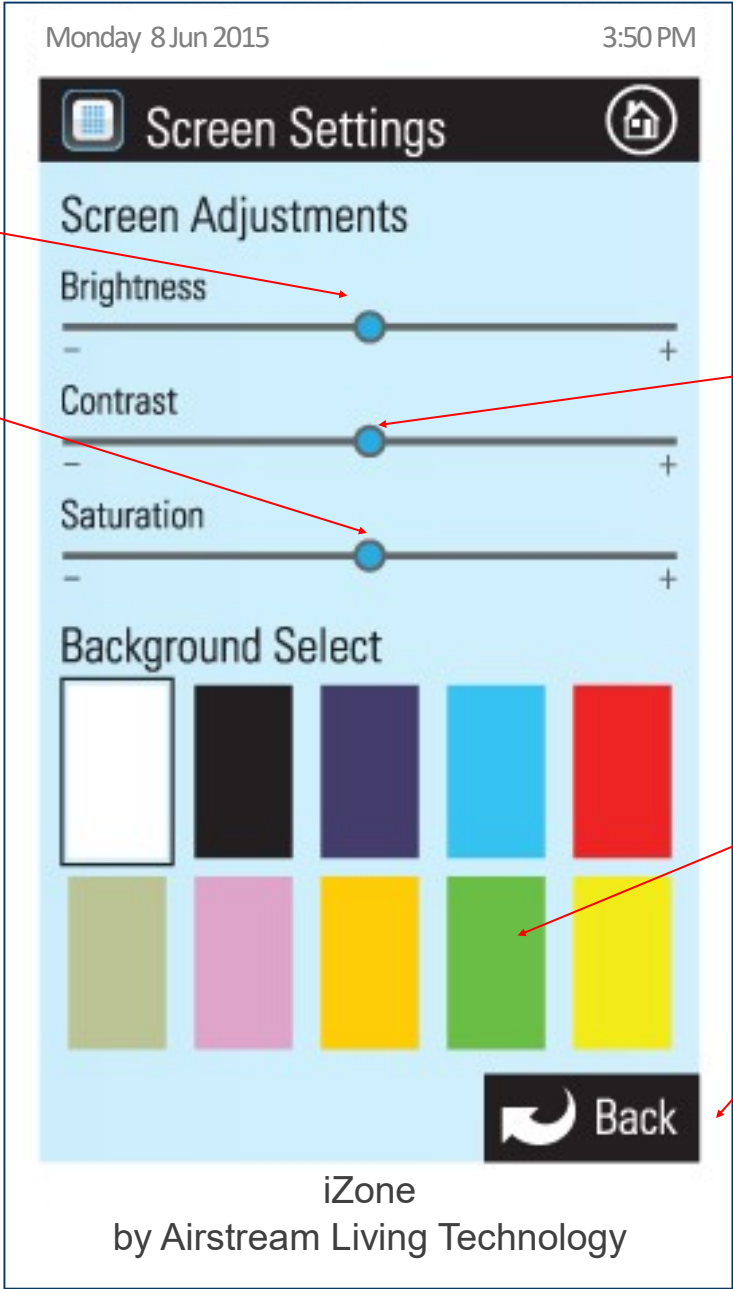
Slide left / right to adjust the screen contrast.

Press the colour you would like for your home screen. Fine adjustments to the shade, tone, hue can be made using the brightness, contrast and saturation slides.

Press here to go back to the home screen.

Monday 8 Jun 2015   3:50 PM

Screen Settings

Screen Adjustments

Brightness

Contrast

Saturation

Background Select

Back

iZone
by Airstream Living Technology

6.0 TROUBLE SHOOTING, FAQ, WARRANTY

6.1 Trouble shooting

Light reduces brightness

Light lamps are rated for a maximum ambient temperature of 40°C. iLight downlights are rated for a maximum ambient temperature of 60°C When placed inside poorly ventilated lamp shades the Light lamp may overheat as the ambient temperature inside the lamp shade increases above 40°C. Light has a built in safety to protect the lamp / downlight under these conditions and will automatically reduce its brightness to ensure the internal temperature of the lamp is maintained within a safe operating range.

device control is erratic or misses instructions

Your device relies on a consistent wireless signal from the light bridge to the lamp / downlight. If you experience erratic or missed instructions check the following:

- Mains switch to device is switched ON

- devices have not been paired or setup correctly. See installation instructions

- Radio signal between bridge and device is being blocked.

  - Check lamp shade is not blocking radio signal (especially metal lamp shades or fittings) - remove lamp shade and re-test

  - Relocate bridge closer to device.

  - Install repeater (s) between bridge and device to boost the signal.

- Modem is not communicating to bridge.

  - Check WiFi is switched ON

  - Check modem settings

  - Modem may not be compatible with device—Try a different modem

Buzz audible from Light Lamp

6.1 Trouble shooting (continued)

Due to the electronics in Light a low frequency buzz may be audible close to the lamp. This is normal. To reduce or eliminate the noise change the brightness slightly.

Light flickers at very low brightness.

Depending upon the power supply at the site a slight flicker may be evident at very low brightness settings. To eliminate the flicker adjust the brightness up.

Colour of the Light is not exactly the same as the colour picker on the screen

The colour your Light produces may differ from the colour picker. This may be due to a number of factors such as the colours of the walls and furniture, the brightness, ambient light and the fact that mixing light colours is not a perfect science. Keep adjusting the colour and brightness until you get the room to the colour you require. For very fine tuning you can input the RGB mix in the lamp details.

Candle Flicker speed changes

While using the Candle FX feature you can also adjust the brightness. This may have an effect on the speed of the "flicker". Change the acceleration on this lamp to compensate for the increased flicker speed.

Light takes a long time to react to my changes

1.   Check acceleration is set to rapid. Other settings will delay the time taken for the Light to get to full brightness or turn off completely.

2.   Ensure your Light is receiving the wireless signal from the bridge. Move the Light closer to the bridge and test. If this makes a difference your wireless signal is being blocked by the building structure. You should install one or more repeaters to boost the signal to those Lights that are not receiving a wireless signal.

6.1 Trouble shooting (continued)

Lights come on after a power failure

When your Light looses power for more than 5 seconds it will come back on in 1 of 3 ways. In the config menu you can select how you want your Lights to come back on after they have been switched off and on at the wall switch (allow 10 seconds between switching off and back on). The three options are as follows:

- No change (If Lights were previously "on" they will turn "on" and if they were "off" they will remain "off")

- Turn on with previous settings (If a light was "on" it will turn "on" with the same settings. If it was "off" it will turn "on" to the same settings it was when it was last "on".

- Turn On with 100% cool white. (Light will turn "on" at 100% cool white). This is the factory default setting

Lights are just white and cannot be controlled.

If a light does not communicate with its bridge it will revert to cool white, 100% brightness. Check the bridge is connected correctly and has power. It may be necessary to install a repeater to boost the range of the bridge. If the bridge has been damaged or lost you will need to install a new bridge and reset all the Lights back to their factory default setting before pairing to the new bridge. For details see - "How to change a bridge on an existing system"

iSense feature shows that the sensor for this function has not been not configured.

iSense is a movement sensor that can be configured to automatically dim and / or switch a light or group of lights off when no movement is detected or switch them on once movement has been detected. You need to install a wireless Light switch with occupancy sensor and configure the sensor before you can use the iSense feature.

Auto Brightness feature shows that the sensor for this function has not been configured.

Auto Brightness uses a light intensity sensor to measure the lighting level in a room and can be set to automatically increase or decrease the brightness of a light or group of lights to maintain the required lighting level in the room. You need to install a wireless Light switch with light

6.1 Trouble shooting (continued)

sensor and configure the sensor before you can use the Auto brightness feature.

Auto Brightness Reacts slowly

Auto brightness uses a light intensity sensor in the Light switch. (Light switches are an optional extra that can be purchased on-line). The Auto brightness is designed to automatically compensate for external ambient light sources. The light level will only increase or decrease by 5% per minute.

 Location

Placing your Light inside metal lamp shades or fittings can affect the wireless communication between the Light lamp and the bridge. If this is found to be the cause of intermittent, slow or no response, then we recommend you try the following:

- Relocate your bridge closer to the Light lamp. (Ideally the bridge should be located centrally in your home or building.

- Install a light repeater mid way between your bridge and Light lamp

- Change the lamp shade or fitting.

- To maximise radio communications It is recommended that your Lights are installed at least 500mm above the ground.

iZone lights and smart plugs are <u>not</u> designed for :

- Emergency exit signs or for emergency exit lights

- Use in enclosed fittings that do not provide adequate ventilation

- Use in conjunction with 3rd party controllers sensors or apps not approved by Light

- Use In wet or damp conditions

- Outdoor use

- Sockets or fittings that are not rated for this device

- Use with dimmers

6.2 FAQ

How do I save money using Lights?

Although Lights cost more than conventional light bulbs the running cost and maintenance cost is significantly lower. Over the lifetime of the lamp a light will cost approximately 25% of an incandescent lamp; 40% of a halogen lamp and 90% of a compact fluorescent lamp.

What is the life expectancy of my Light?

LED lights generally have a life of around 40,000 to 50,000 hours. This means that if you operate it for 24 hours per day it will last around 5.5 years or around 20 years if you operate it for 6.5 hours per day. Factors that can reduce the life of your Light include :

- High ambient temperatures or overheating

- Unstable power supply (Less than 216V or greater than 264V)

Is it true that Lights do not attract insects?

Most insects are primarily attracted to Ultra-violet rays, which help them forage, navigate and select mates. Lights do not emit UV rays and therefore do not attract as many insects as conventional light sources.

How does colour change improve environments?

The light colour can be changed to match the furnishings in a room to bring out the vibrancy of the interior design. Light colour can also be changed to alter the mood in the room. Warm whites for relaxation or cool whites for improving concentration and attention. With Light you can experiment with different colour combinations and brightness levels to achieve the look and mood you require.

Can I change how my Light operates after a power failure

Yes you have a choice of three different options to choose from in the Config menu.

6.2 FAQ (continued)

Can I use my Light as a normal Light bulb and switch it on and off at the wall switch then use its features only on special occasions

Yes you have a choice of three different options to choose from in the Config menu.

Can I still use my light switch to turn the Light on and off

Yes, you can set up your Light and then just use the Light switch to turn it on and off. You will need to ensure the configuration is set to "Turn on with previous settings"

How do I configure a wireless Light switch, Auto brightness and iSense?

You need to install a wireless Light switch with these features and configure the features accordingly.

Why does the App ask me if I want to update the device system time to this device ?

If you are setting device schedules or alarms on your App it is important that both the App and the device system times are in sync. If you select "Always" the App and the Light system will automatically sync the time when you log on to the system in your WiFi zone. If you want to change this selection later go into Config Menu and update *System Time Interval*.

I have a group of devices but I want to display different devices on different layout pages, how do I do this?

1.   Ungroup the devices you want to relocate.

2.   Relocate the devices to the pages you want them displayed and position them accordingly.

3.   Regroup the devices

How many devices can I have on a single system ?

Each system can control up to 128 devices from a single bridge.

6.2 FAQ (continued)

How many groups can you have on a single system ?

You can have up to 128 groups on a single bridge

Can I have more than one bridge in a house?

You can have as many bridges as you like. You can only have up to 5 bridges listed on the App and you will need to login and out of each bridge on the App to control the devices in each system .

When I press All Off every Light in the house switches off. Can I change this so some Lights still remain on?

Yes you can. In the Light Summary press the name of the Light you want to exclude from the All Off feature and it will take you into the details for this Light. Under "Control" unselect "All Off". Press back to go back to the summary screen.

When I press All On every Light in the house switches on. Can I change this so some Lights still remain off?

Yes you can. In the Light Summary press the name of the Light you want to exclude from the All On feature and it will take you into the details for this Light. Under "Control" unselect "All On". Press back to go back to the summary screen.

How much power does a light consume when it is switched on at the wall and but off on the App?

Lights consume around 0.22 Watts of power in standby mode. If a lamp was left on standby for a hole year it would consume around 1.93 kWhr which based on 0.26 cents per kWhr is around 50 cents per year per Light lamp. To avoid this standby consumption you can always switch the device off at the wall switch or GPO.

What is the comparative brightness of a light lamp to an old incandescent bulb?

6.2 FAQ (continued)

The Light CL5 bulb at 100% white produces approximately the same brightness as an old incandescent 60 Watt light bulb. Bearing in mind that the Light lamp only consumes 9 Watts for the same brightness as the 60 Watt incandescent bulb.

Can Lights reduce jetlag?

LED's in aircraft use circadian rhythms to help passengers adapt to their destination time zone. Using the Light Circadian FX feature may assist in reducing jetlag however this has not been confirmed.

The aluminium body of my Light lamp is quite hot to touch. Is this normal?

Yes the aluminium body is designed to conduct the heat generated by the lamp away from the electronic components and can reach up to 80°C.

When using the iSense feature the light does not come on the second I enter the room. Is there something wrong with the sensor

The sensor has a range of around 6 meters so you need to be inside this range before it will detect you. Depending on when you enter the room during the sensors scan cycle the Light may come on quickly or only after one or two seconds.

Can I use a blue tooth speaker to play music via the Light app?

Yes you can however on some speakers and phones the Auto mixer will not run when a blue tooth speaker is being run through the phone. If you want to run the Auto mixer you can either connect the phone to the speaker via an audio cable or run the music through another device and use the microphone feature on the Light app to get the Lights to run in Auto mixer mode.

6.3 Product warranty policy

This document sets out the warranties that are provided by Airstream Components WA Pty Ltd ACN 146 196 778 ("**Airstream**") in relation to each Product.

1. Definitions

In this document:

"**Australian Consumer Law**" means the law set out in Schedule 2 of the *Competition and Consumer Act 2010* (Cth) and any corresponding provisions of state or territory fair trading legislation.

"**Customer**" means the party that acquired the Product from Airstream for that party's use or, if the party who acquired the Product from Airstream was an authorised distributor, reseller or dealer, the party who acquired the Product from the distributor, reseller or dealer.

"**Product**" means:

an iZone Lamp, iZone Downlight, iZone Smart Plug or iZone Garage Door Controller.

other product manufactured by or for Airstream.

"**Site**" means the place at which the Product is located.

"**Third Party Goods**" means a product (including batteries) or item of equipment manufactured by a third party which is supplied with, or fitted to, a Product.

"**Warranty**" has the meaning given in clause 2.1.

"**Warranty Claim** Form" means the warranty claim form available on the Website.

"**Warranty Period**" means:

for a Product that has not been registered in accordance with clause 3, two (2) years; or

for a Product that has been registered in accordance with clause 3, eight (8) years,

"**Website**" means the Airstream website at www.izone.com.au.

2. Warranty

2.1 Subject to clauses 4 and 5, Airstream expressly warrants that each Product is free from operational defects in workmanship and materials for the Warranty Period ("**Warranty**").

2.2 The benefits of the Warranty are in addition to all other rights and remedies which the Customer may have under Australian Consumer Law and any other law in relation to the Product to which the Warranty relates.

2.3 Each Product comes with guarantees that cannot be excluded under Australian Consumer Law.

2.4 Extended Warranty

In order to receive an extended eight (8) year Warranty for a Product ("**Extended Warranty**") the Customer must register the Product by completing, and providing to Airstream, the registration form supplied in the Product user manual or downloaded from the Website ("**Registration**").

Registration must be completed within sixty (60) days of the Product being purchased by the Customer.

3. Exclusions to Warranty

3.1 The Warranty does not cover Third Party Goods.

3.2 Subject to any statutory provisions to the contrary, the Warranty does not extend to cover damage to furniture, carpets, walls, ceilings, foundations, vehicles, or any other consequential loss arising either directly or indirectly due to the malfunction of the Product.

3.3 The Warranty will be strictly limited to the resupply of that Product and shall not include any labour costs.

4. Repair or Replace

During the Warranty Period, Airstream will, subject to clause 5, replace or repair any defective Product or defective component of a Product without, subject to clause 7, charge provided that the defect does not constitute damage that has arisen from:

a) faulty, improper, incorrect or incomplete adjustment, operation or installation of the Product;

b) any modification of the Product, without the written approval of Airstream, including tampering with or any attempt to disassemble the Product;

c) inadequate or improper maintenance of the Product;

d) misuse or abuse;

e) normal wear and tear;

f) failure for any reason to follow the instructions for use given in any user manual applicable to the Product;

g) act of God;

h) fire, flood, collision or other trauma; or

i) insects or animals.

5. Warranty Claim Procedure

5.1 To obtain the benefit of the Warranty the Customer must:

a) contact Airstream within the Warranty Period or within seven (7) days of the discovery of the defect, whichever is the earlier;

b) complete and send to Airstream the Warranty Claim Form accompanied by proof of purchase of the Product.

5.2 On receipt of the Warranty Claim Form and proof of purchase of the Product, Airstream will contact the Customer to determine the extent of the issue or defect with the Product.

5.3 If there is an issue or defect with the Product that is covered by the Warranty then Airstream will at its sole option:

a) require the Customer, at the Customer's expense, to have the defective Product, or defective component part, delivered to Airstream. Airstream will replace, or conduct repairs to, a Product as soon as practicable but will not be liable for any loss or damage caused by any delay.

6. Assignment

6.1 The Customer may not assign or otherwise transfer the Warranty.

6.2 Airstream may at its sole discretion transfer or assign the Warranty.

7. Transportation Costs and Risk During Transit

7.1 All transportation charges incurred in returning a defective Product, or any defective component parts of a Product, to Airstream for repair or inspection, and the cost of returning them to the Customer must be paid by the Customer.

7.2 The Customer assumes the risk of, and shall be responsible for, any loss of or damage to any Product during transit. For this reason, Airstream recommends that the Customer take out shipment/postage insurance.

8. Third Party Warranties

Third Party Goods may be covered by independent manufacturer warranties. It is the Customer's responsibility to familiarize itself, himself or herself with these warranties. No additional warranty is provided by Airstream for Third Party Goods.

6.4 Further assistance

For further assistance you may wish to try your installation contractor or the following sources:

iZone
9 Geelong Court
Bibra Lake
Western Australia 6163

Email: support@izone.com.au
Phone: +61 8 9418 6631
www.izone.com.au

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