

Digilux

Modular Lighting Control

Advanced Programming v1.1

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Installation - Using Smart Touch Screen with built in bridge:

There are 2 options when programming Digilux Smart Lighting:

- (1) With PC/Laptop, Software and Network
- (2) Using Touch Screen (No PC/Laptop)

Only follow 1 of the options.

(1) Setting up Rooms and Devices via Laptop and Software:

Install and Ideal for multiple apartments where you will set up a preloaded configuration to be deployed across multiple screens. This section will explain how to use the Orcomm software to make profiles for apartment types.

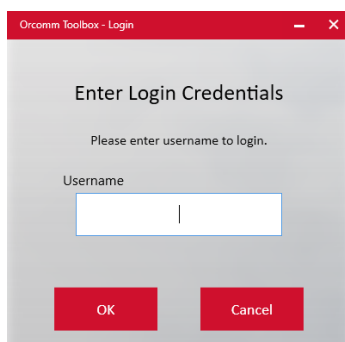
If you need to download the free Orcomm Toolbox please visit www.orcomm.com/download

Follow the instruction on how to set up rooms / zones with devices (i.e. light switches and thermostat controllers).

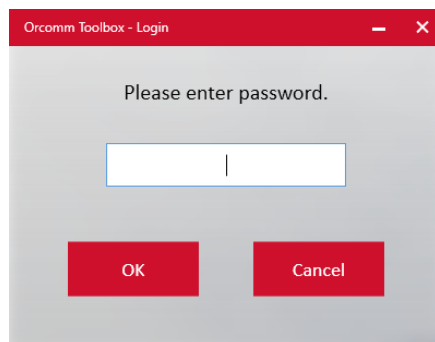
Note: if this is the first time using Toolbox, please contact Orcomm support for further assistance as this manual will only assist in the Smart Home configuration. For example, you will need access and configuration details for the IP network.



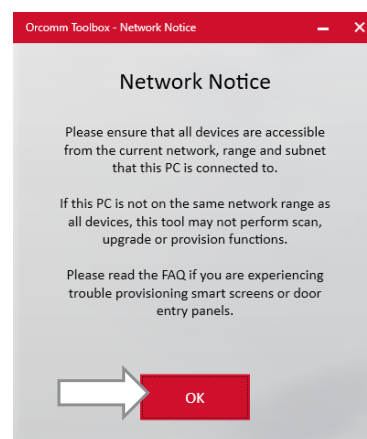
Open Orcomm Toolbox



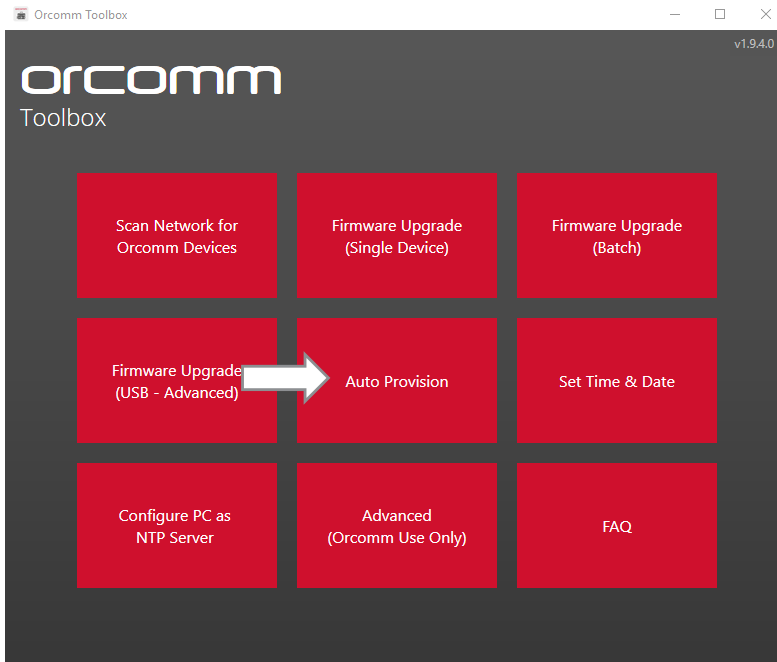
Default (Engineer)



Default (Commission)



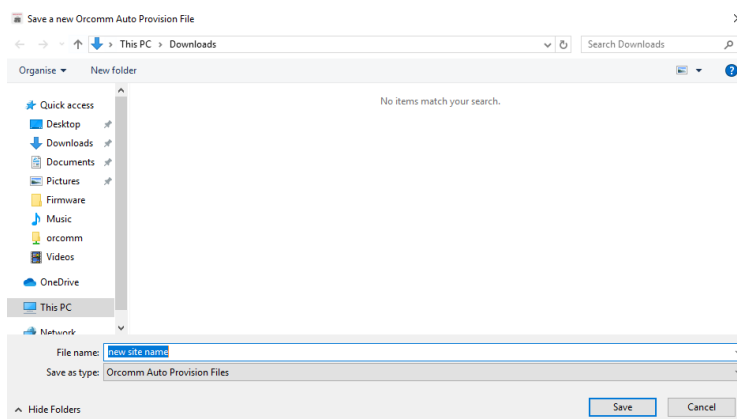
"OK"



Select "Auto Provision"

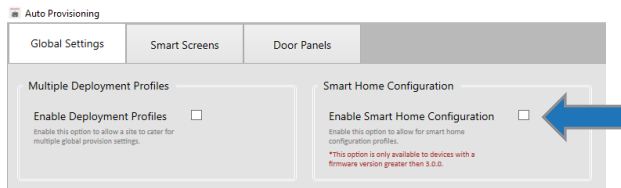


Select "Select New Site"

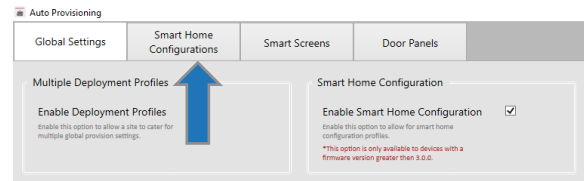


Choose a Site name for the file then "Save"

Enable Smart Home Configuration

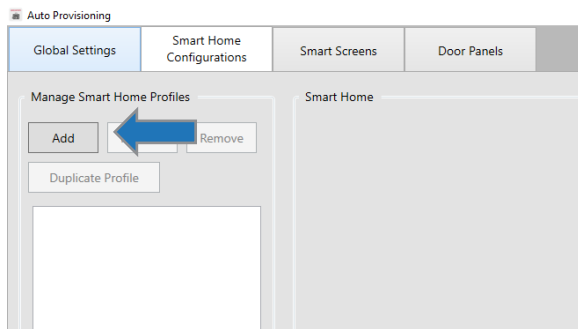


Select "Enable Smart Home Configuration"

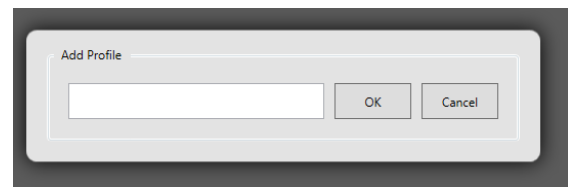


New tab will appear

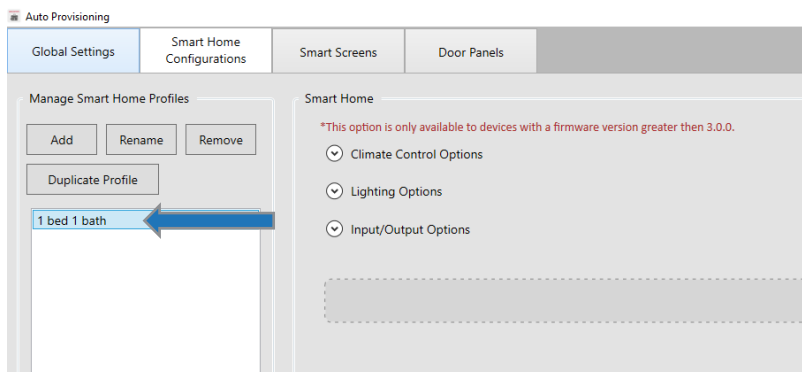
Add Smart Home Profile



Select "Add"

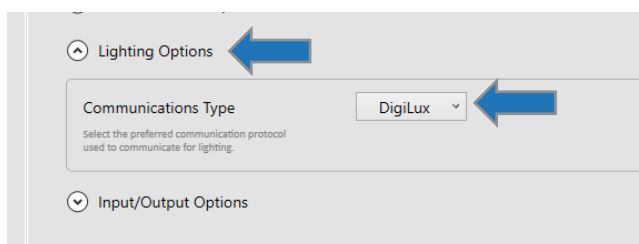


Enter Profile description (i.e. 1 Bed 1 Bath)



Each profile will appear in list

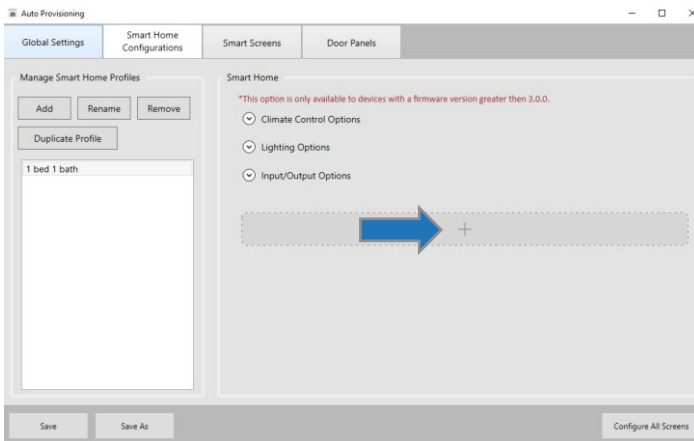
For faster setup, select 1 type then duplicate, rename and add extra rooms and lights



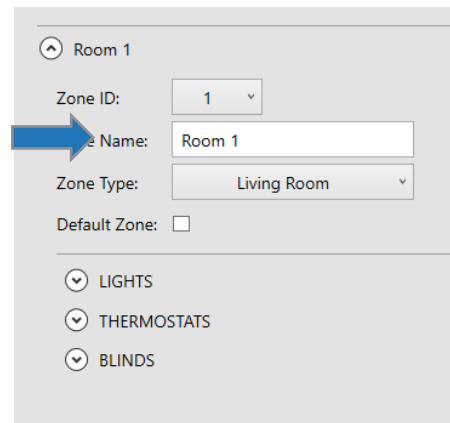
Select "Lighting Options" and change to "DigiLux"



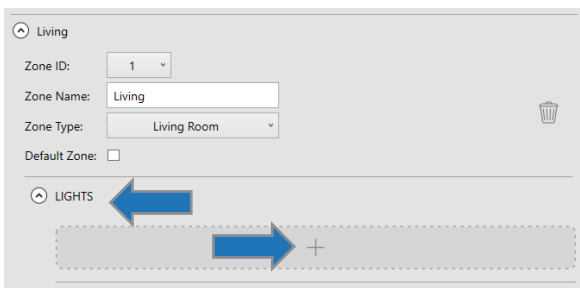
Select "Save"



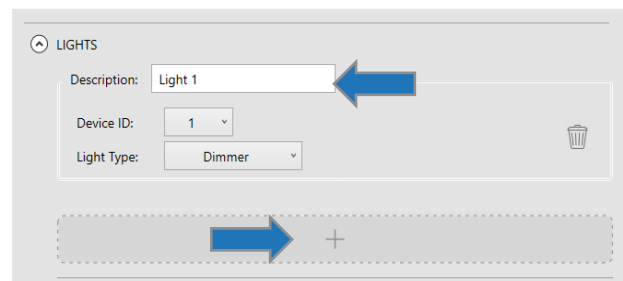
Select "+" to add a room



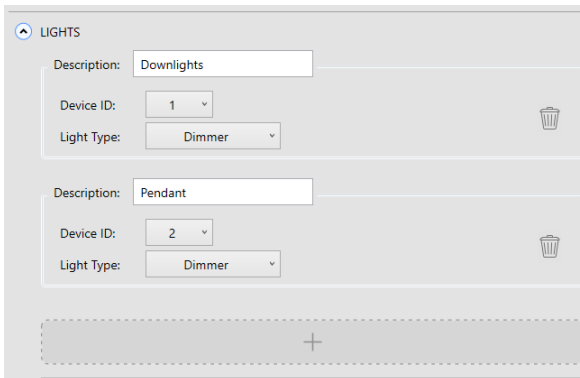
Rename the room



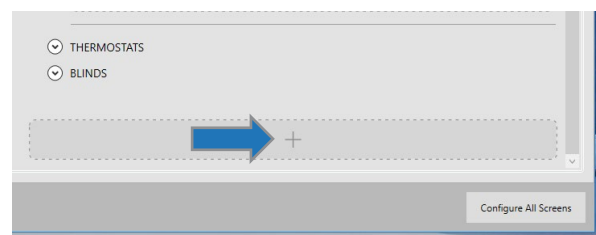
Select "Lights" and then "+" to add light



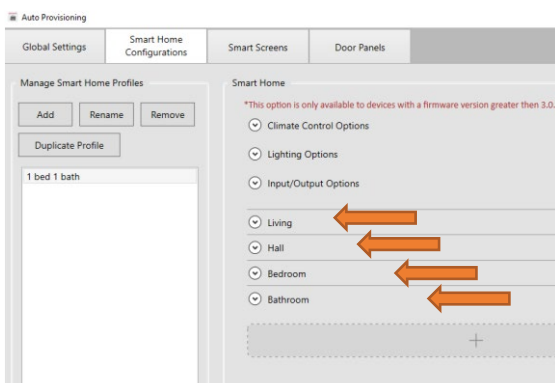
Rename Light 1 (i.e. Downlights) then "+" for more



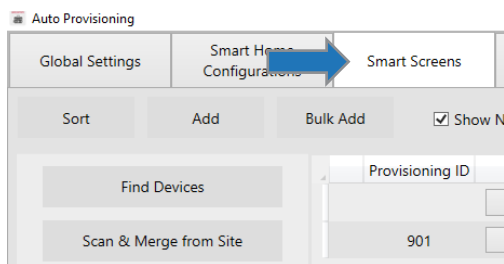
Add all the lights for that room



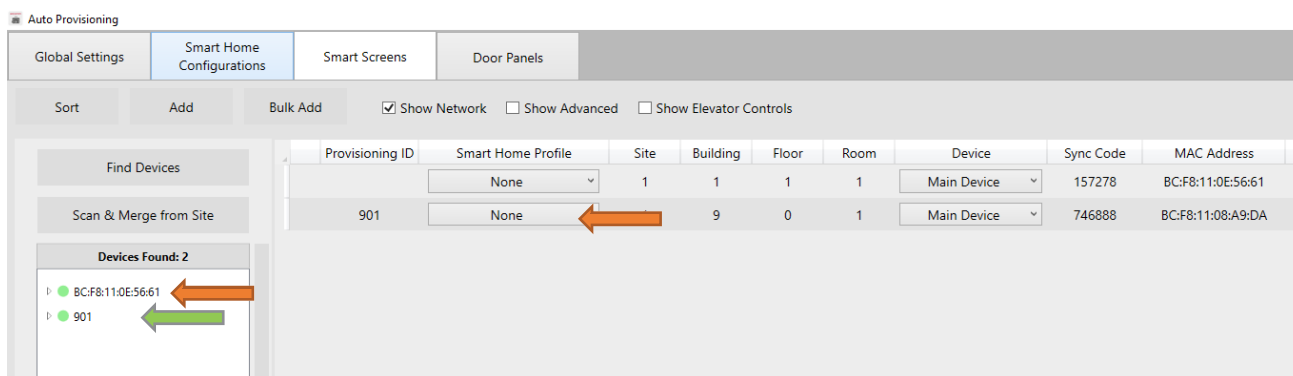
Select "+" at the bottom to add another room



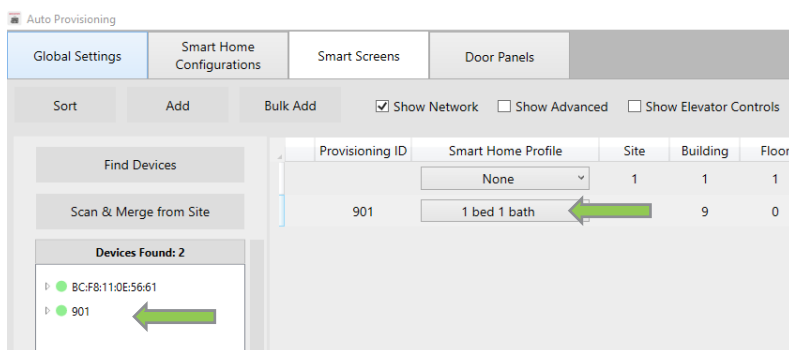
Make sure all rooms are in the profile



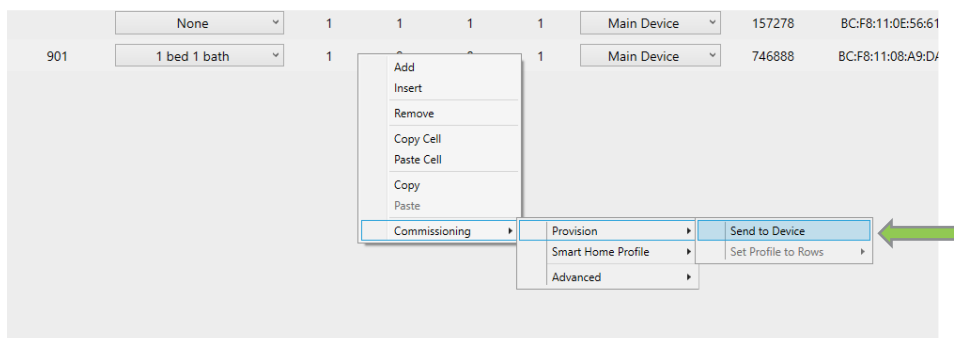
Select "Smart Screen"



Ensure you have provision ID (not MAC address) on screen before Provisioning and that the Smart Home profile is selected.



When both are correct then Provision

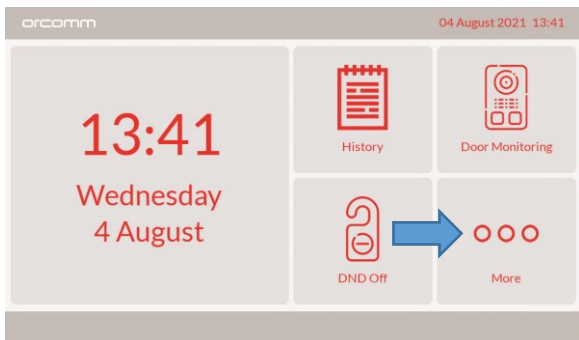


Select Screen, then right click "commissioning > Provision > Send to Device"

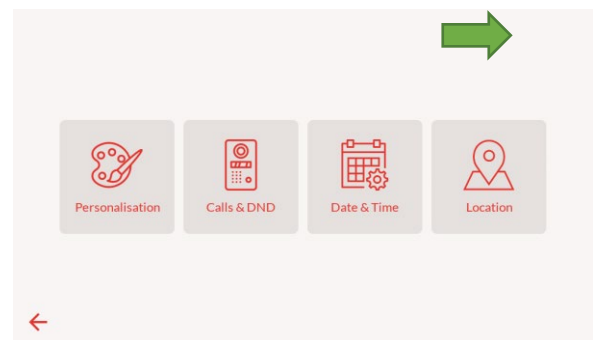
(2) Setting up Rooms and Devices via Touch Screen only

Ideal for stand alone and demo suites with no back up. This section will demonstrate how to add rooms / zones, devices and setup Digilux to work locally.

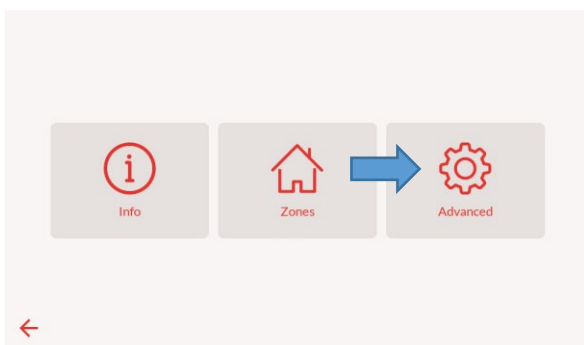
Enable Lighting Control - On Home Page



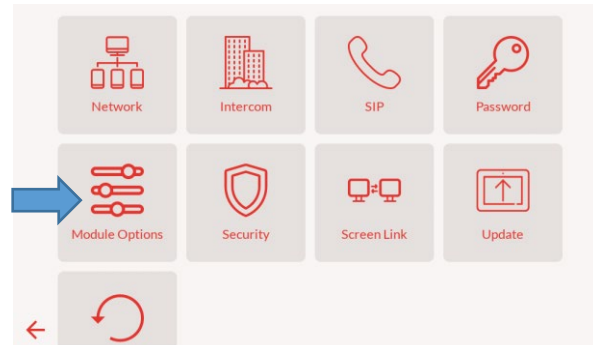
Select "More"



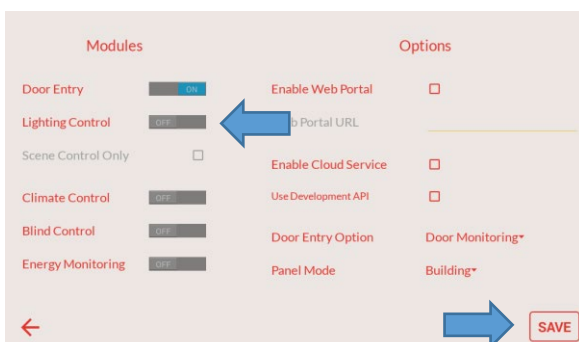
Hold Top right corner for hidden menu



Select "Advanced" then Enter password "i.e. 123456"



Select "Module Options"



Select "ON" for lighting control then "save"

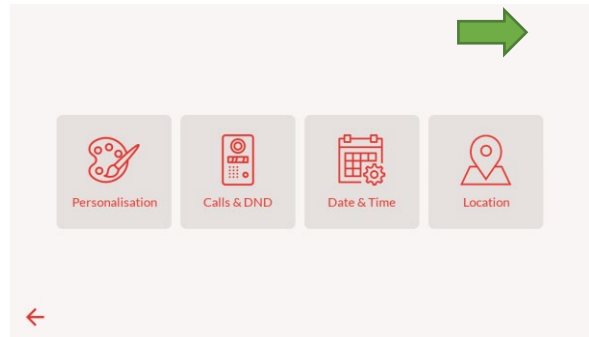


Return to home page

Enable Digilux Smart Lighting



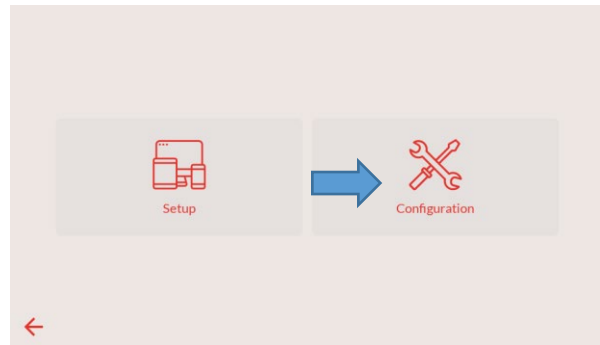
Select "More"



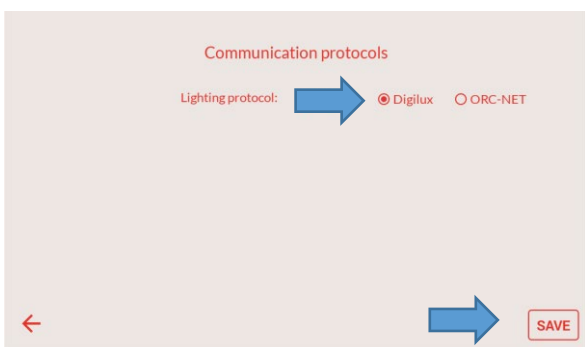
Hold Top right corner for hidden menu



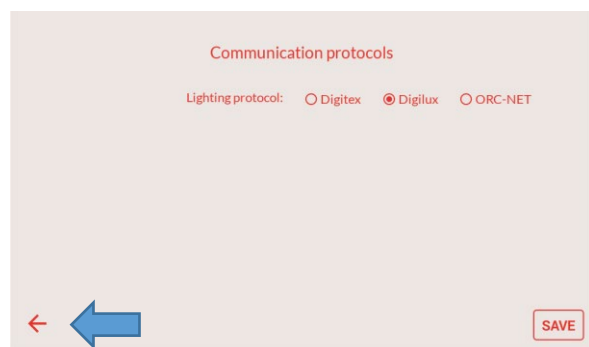
Select "Zones" then Enter "123456"



Select "Configuration"



Select "Digilux" then "Save"



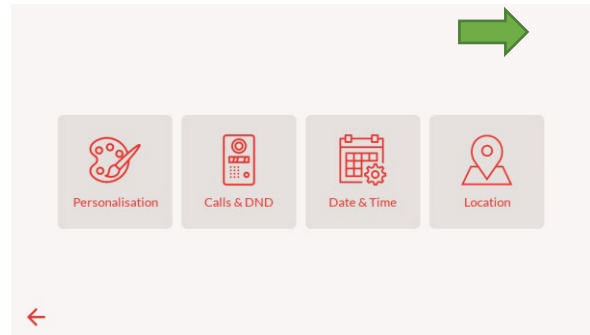
Select "←" to Return

Select "Digilux" then "Save"

Adding Rooms / Zones



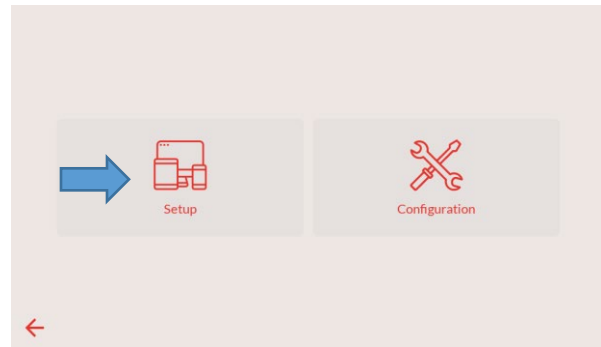
Select "More"



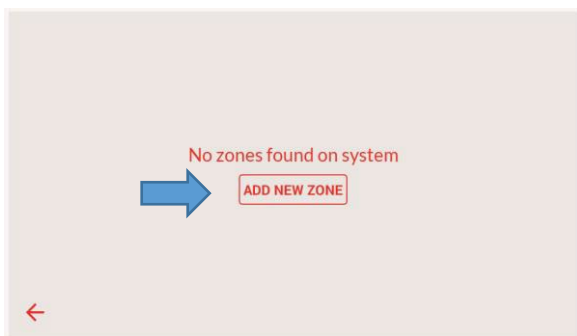
Hold Top right corner for hidden menu



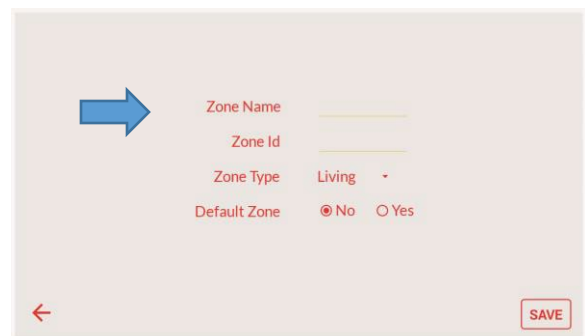
Select "Zones"



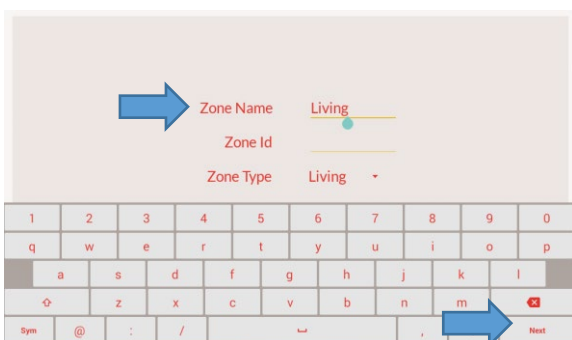
Select "Setup"



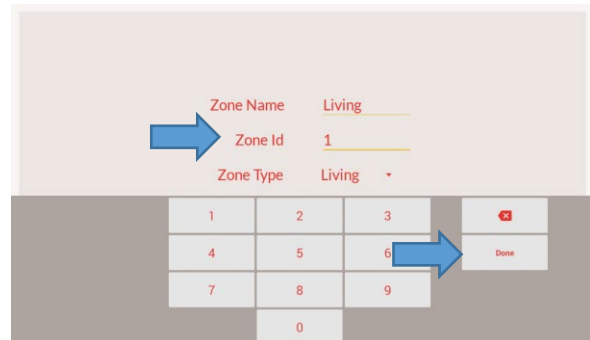
Select "Add New Zone"



Enter Name (keyboard will appear)



Then select "Next"



Enter a number for Zone ID then "Done"

Zone Name
Zone Id
Zone Type
Default Zone No Yes

← →

Then "Save"

Zones

✓ Living ID: 1
Type: Living
0 devices found

← →

Repeat process by adding more rooms

Note: Only add rooms which contain a light circuit or switch.

Zones

✓ Living ID: 1
Type: Living
0 devices found

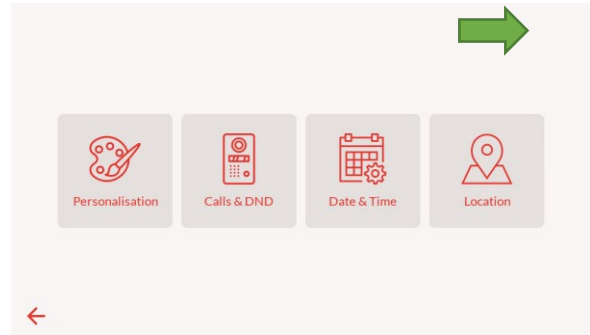
← →

Select "←" to Return

Adding Devices (light circuits) into the Rooms / Zones



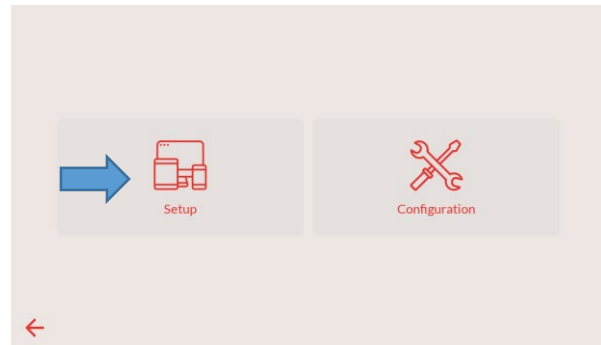
Select "More"



Hold Top right corner for hidden menu



Select "Zones" then Enter "123456"



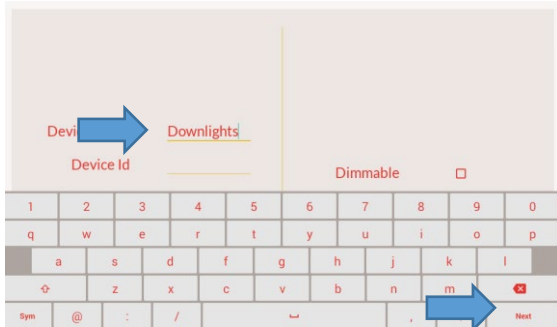
Select "Setup"



Select "Devices"



Enter "Device Name" (keyboard will appear)



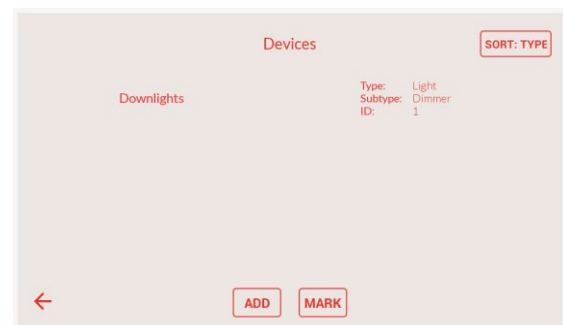
Enter information then "Next"



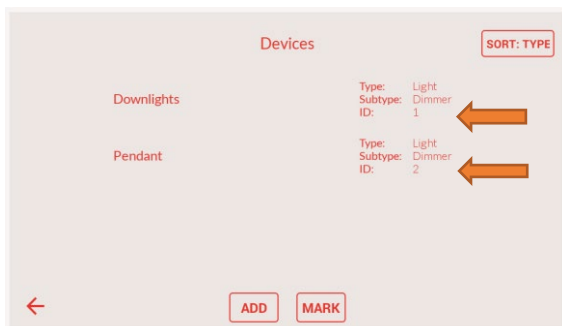
Enter Number for "Device ID" then "Done"



Choose if Dimmable or not, "Save"



If more lights then "add" (example pendant)



Note: Device ID must be different for each light



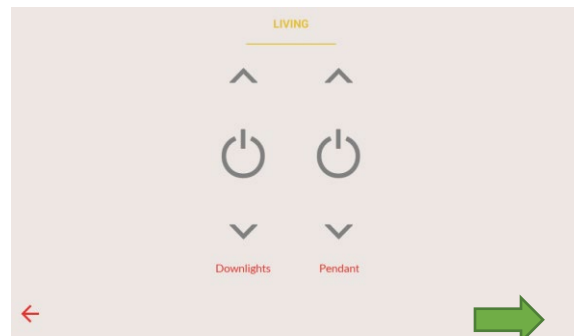
Select "←" to Return

Repeat this process for all rooms. Add each light to the dedicated room.

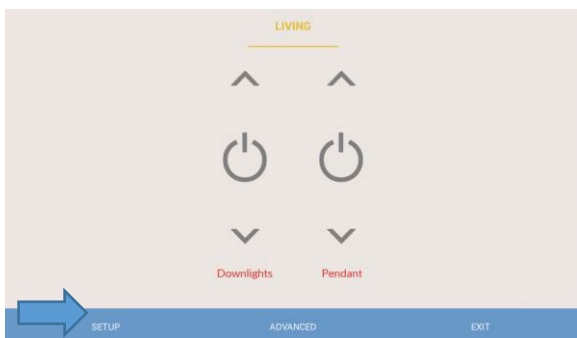
Digilux pairing to Smart Screen



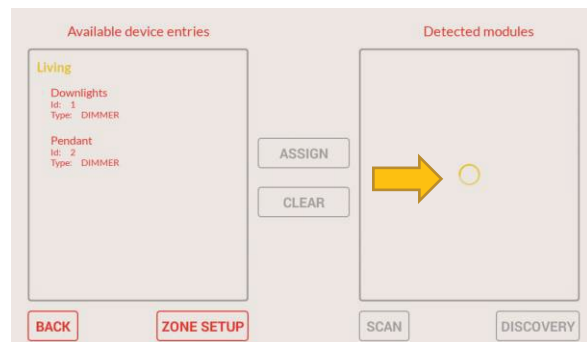
Select "More"



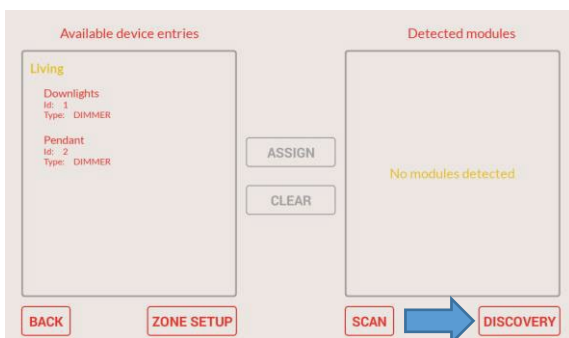
Hold bottom right corner for hidden menu



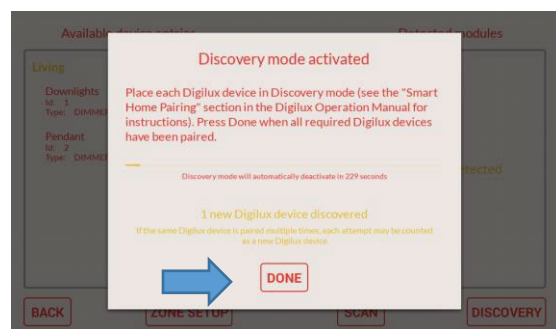
Select "Setup"



Wait for scan to finish



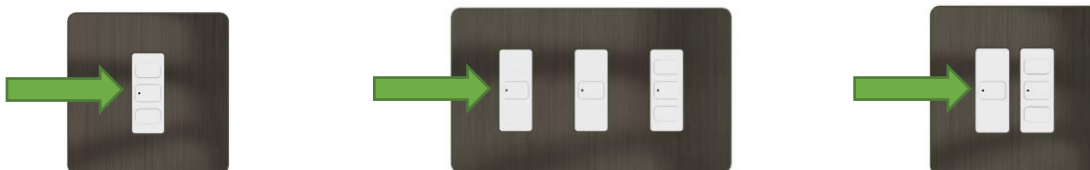
Select "Discovery"



Discovery mode will be active, ready for Digilux

Pairing the Digilux

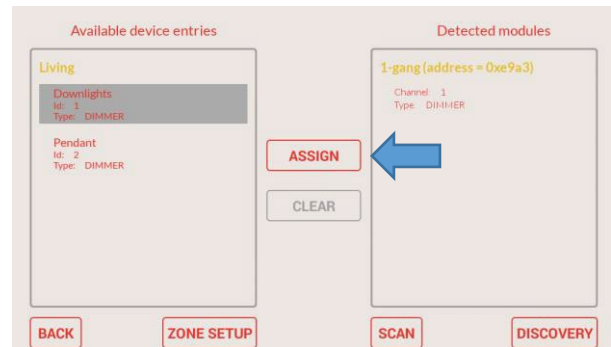
Hold down the first power button for 6 seconds, release and then press 3 times on all of the installed Digilux



Now the Digilux are in discovery mode.



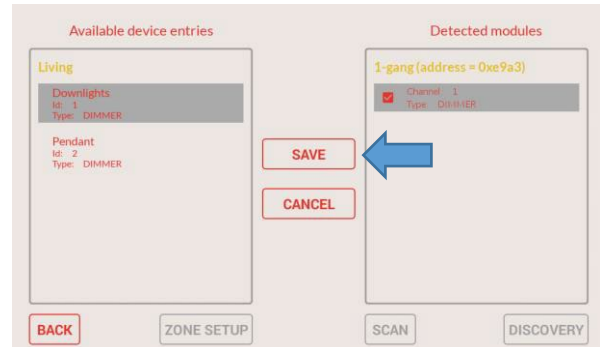
Select a light to sync



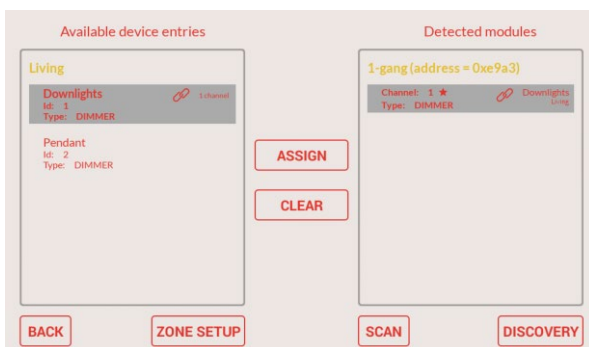
Select "Assign"



Select Light Module (Digilux Light will flash)



Select "Save"



Repeat above steps for each light circuit

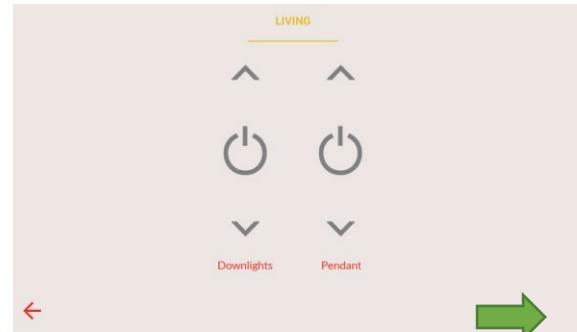


Exit Pairing Mode

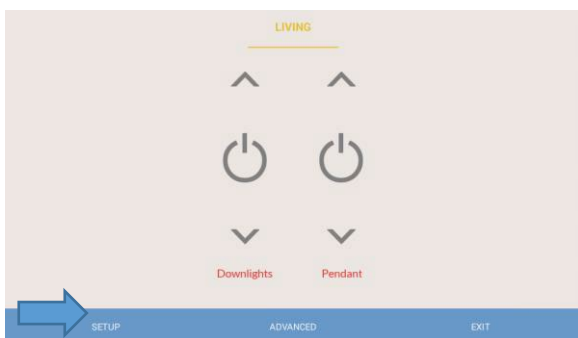
Digilux 2-way and intermittent pairing



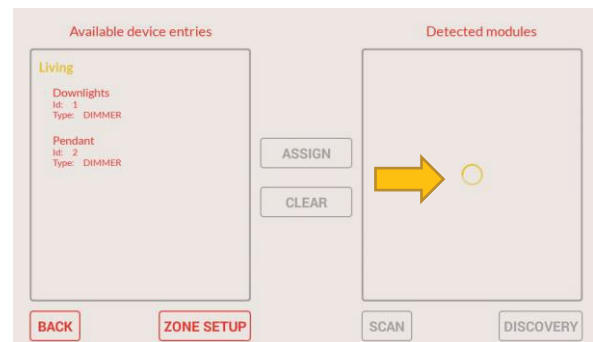
Select "More"



Hold bottom right corner for hidden menu



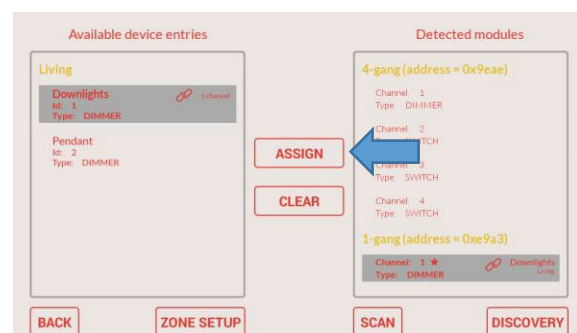
Select "Setup"



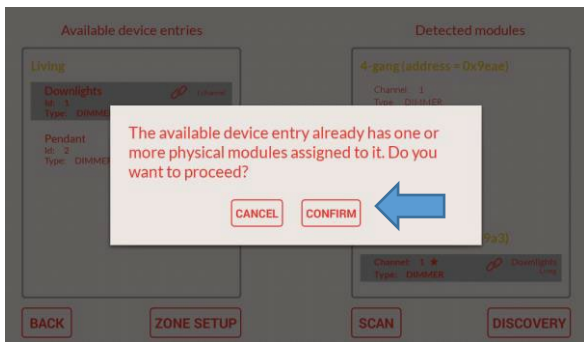
Wait for scan to finish



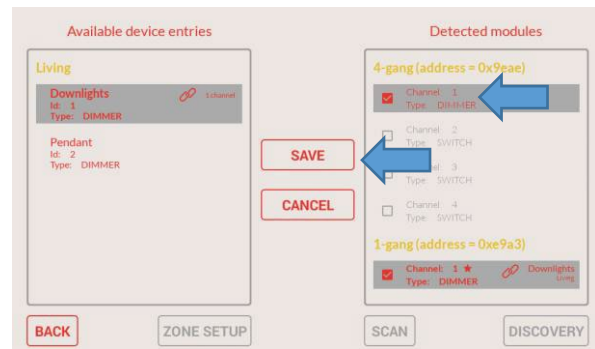
Select a light to sync



Select "Assign"

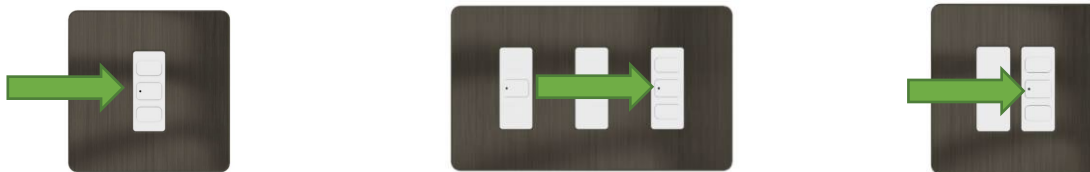


Select "confirm"



Select all "2-way / intermittent" switches associated

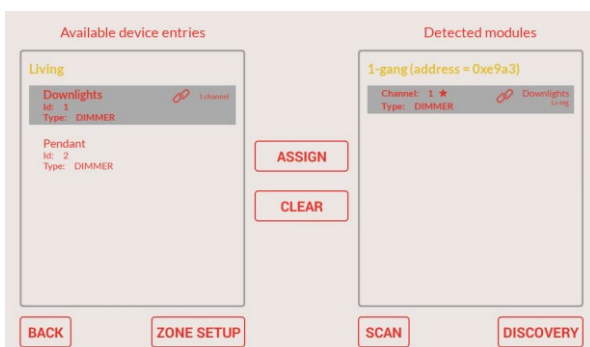
NOTE:



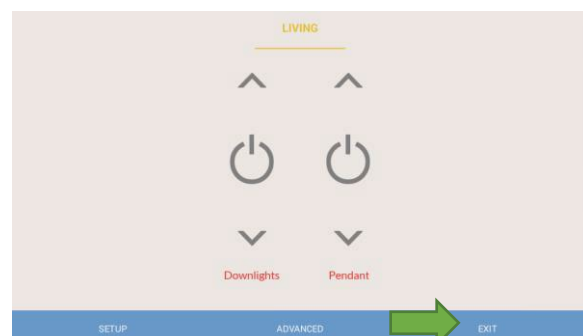
All the switches (Master and 2-way) will flash that have been grouped.



Choose which is Master, then select "Save"



Repeat above steps

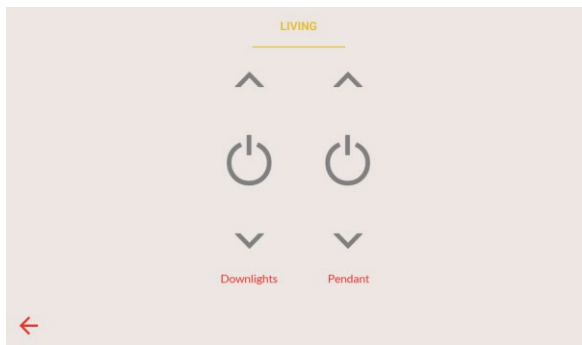


Exit Pairing Mode

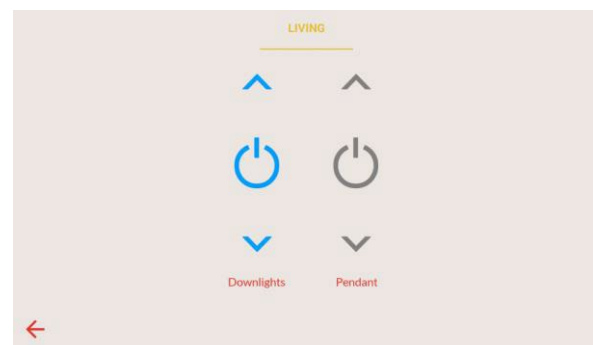
Digilux - Touch Screen Test



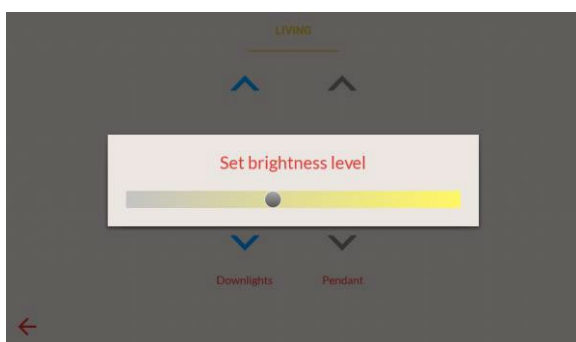
Enter the "Light Control" area and test the lights are sync correctly



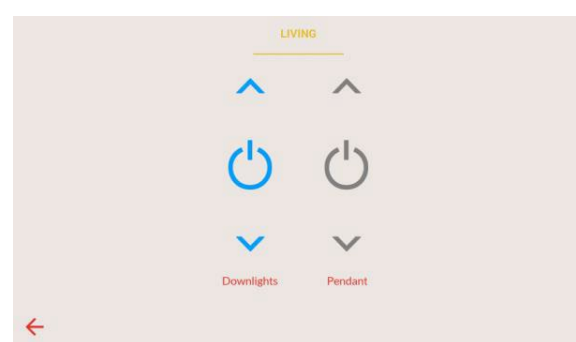
Light off



Light on

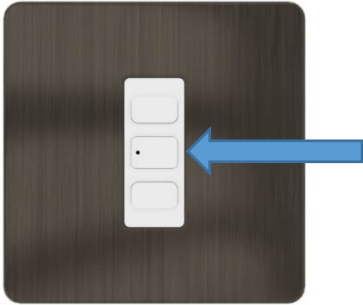


Check dimming (if applicable)



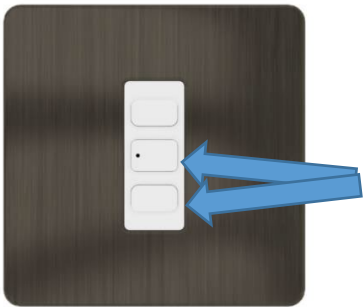
Return "←" When finished

Digilux Dimmer - Setting Dimming Mode



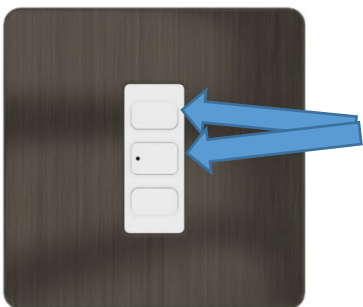
Hold "Centre" button for 15 seconds (until LED Flashes)
Toggle between Trailing and Leading Edge

Digilux Dimmer - Setting Min Light Level



Hold both "Centre" and "Down" button for 5 seconds
Set minimum light level
Press "Centre" button to save

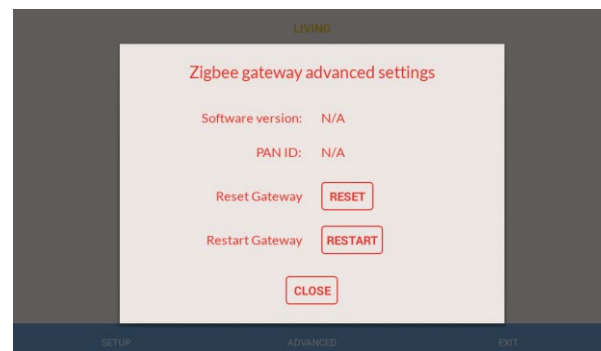
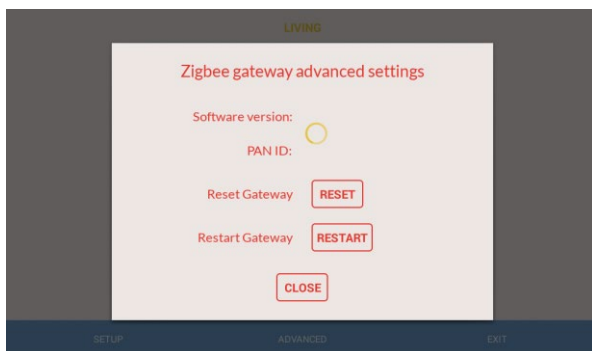
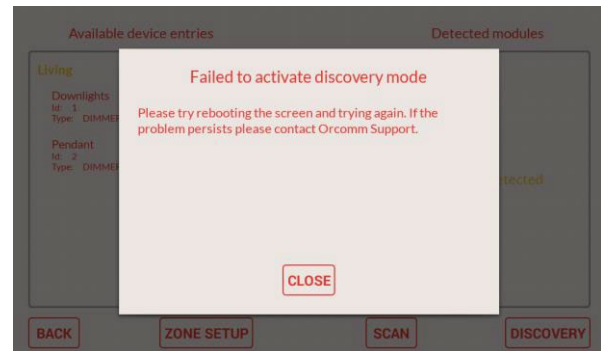
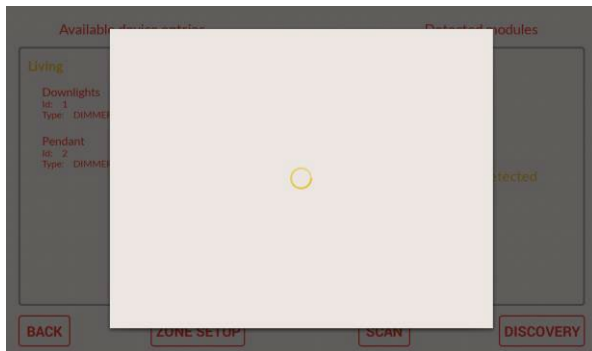
Digilux Dimmer - Setting Max Light Level



Hold both "Centre" and "Up" button for 5 seconds
Set maximum light level
Press "Centre" button to save

Troubleshooting No Zigbee response on screen

No Gateway connected or no power. The below screens are examples of errors



1. Does the screen have a Digilux bridge inside or have an external bridge / gateway
2. The bridge requires PoE or local 12V powered to Monitor. cannot use USB power
3. Is there anything else on the RS485 or short on the cabling
4. Select Restart / reset to see if the system can reconnect

Light switch constantly flashes

1. This could be caused by an installation error, i.e. overload / cabling
2. The Digilux switch is being sent a signal to be in setup mode. Reset screen and power to Digilux