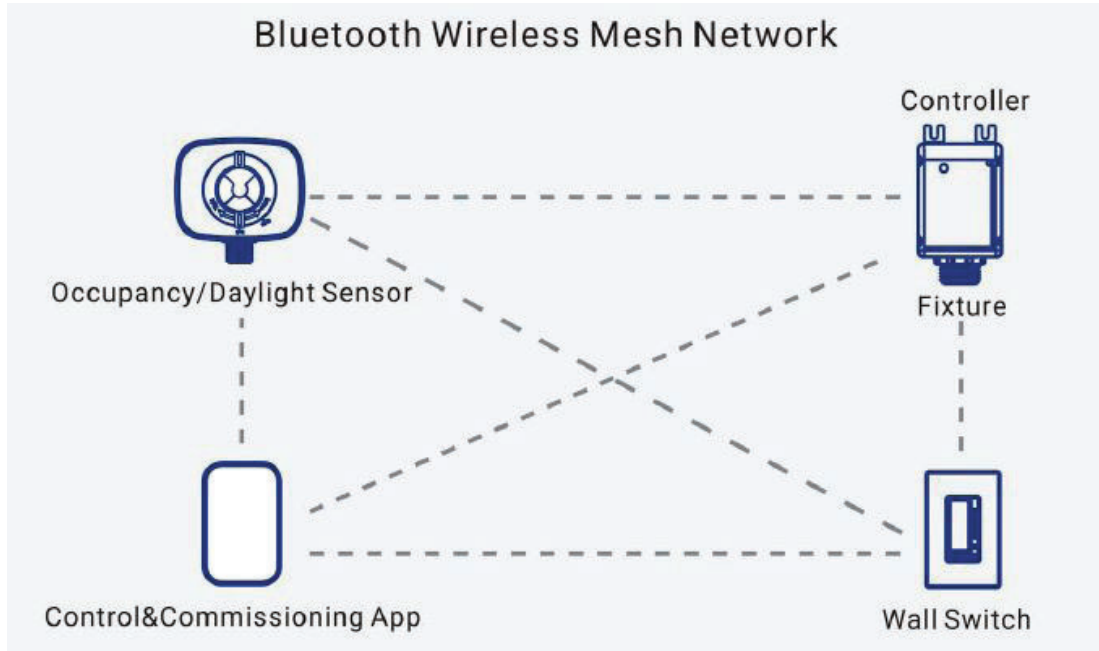


UNITE CONNECT

Bluetooth Wireless Control

Project: _____



Features

- PIR Sensing
- Daylight Harvesting
- Scene
- Scheduling
- Pairable with Multi Function Switches
- Zoning and Grouping
- Trimming
- Step Dimming, Multi Level with multiple fade options
- Energy Monitoring (with gateway)

Capacity

- 100 Points per zone
- Any point can be a member of 20 groups
- 32 Scenes per point
- 32 Schedules per point
- 10 Switches per zone
- Unlimited zones
- All information is saved on the individual controllers so system will run when it recovers from a power outage

Wall Switch (Separate)

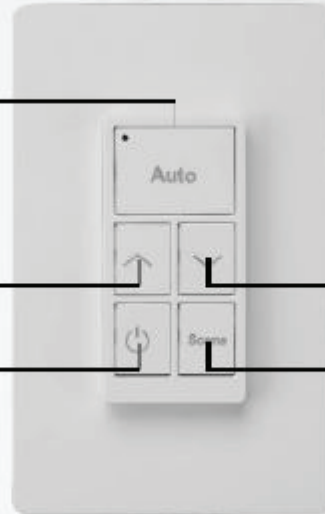
① Sensor ON/OFF:
Work with wired PIR motion sensor.

② Dim Up

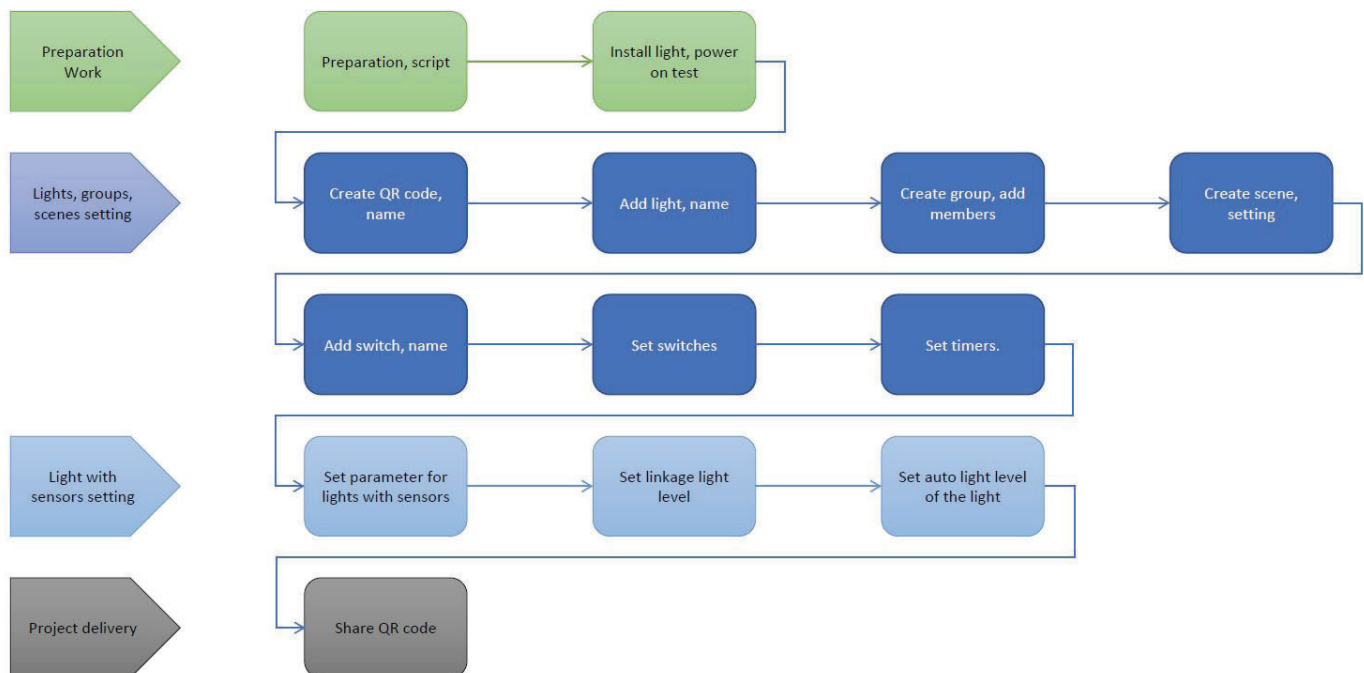
③ Dim Down

④ ON/OFF

⑤ Scene Switch:
Three scenes at most from App setting



DESIGN PROCEDURE



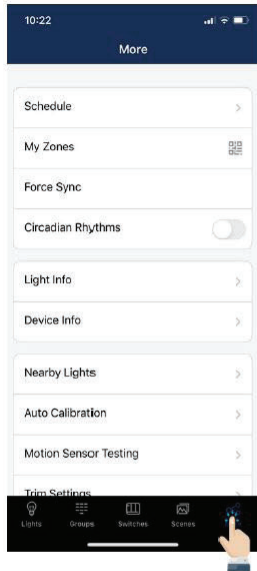
APP DOWNLOAD

Keilton iOS

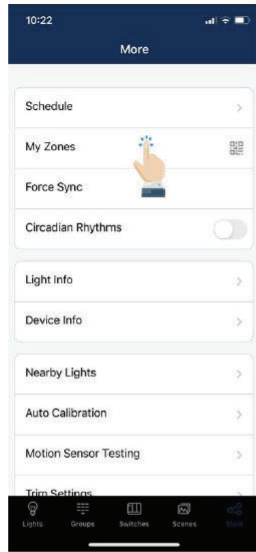


Keilton Android
@GooglePlay

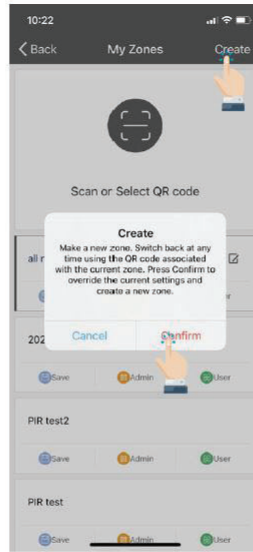
CREATE ZONES/GROUPS/SCENES



Start Keilton APP and click "More".



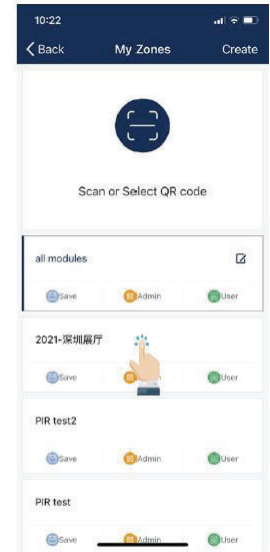
Click "My zones".



Click "Create" on top-right and then click "Confirm".



Input the name of the QR code then click "OK".



You may find all zones in the list and click to switch between them and also change the name by clicking the button.

A QR code represents an zone and the lights, switches and other devices in this zone. It is suggested to create QR codes for all zones and pre-create all groups, scenes and their names to reduce work on site.

ADD LIGHTS



Press the "+" on the top left corner in "Lights" page of the APP.



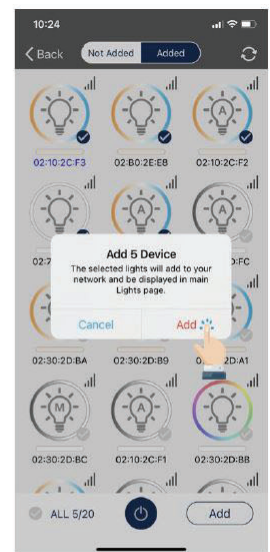
APP will scan and list all nearby lights that can be add to the zone. Click a light to turn on/off it so to locate it quickly.



Click the checkbox on the bottom right corner of the light to select/un-select this light.



Click the "Add" button to add all selected lights to the zone.



Click the "Add" button to confirm. Light will blink to indicate a successful add operation.

ADD LIGHTS CON'T



Please click "Back" button to return to "Lights" page when done.



You may see the newly added lights in "Lights" page. Please do it again if there are lights that haven't been added successfully.

It's suggested to add lights zone by zone if there are many lights to be added. Do not power on more than 100 lights at a time. And shut off the power of the lights that are not in the current zone. That can prevent wireless communication jam due to too many lights sending signals.

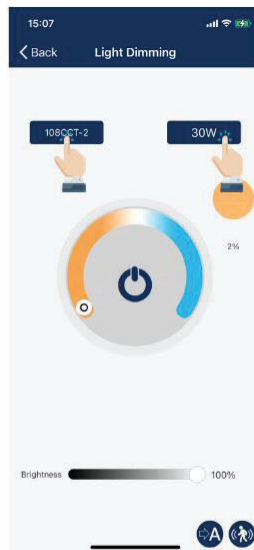
SET NAME



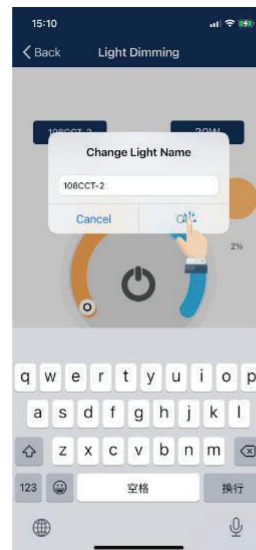
Click a light's icon on "Lights" page can quickly turn on/off it to fast locate it.



Long press a Light will bring out the dimming and managing page of this light.



Click the light's name in the upper left blue box to set the name. Click the wattage in the upper right blue box to set the wattage.



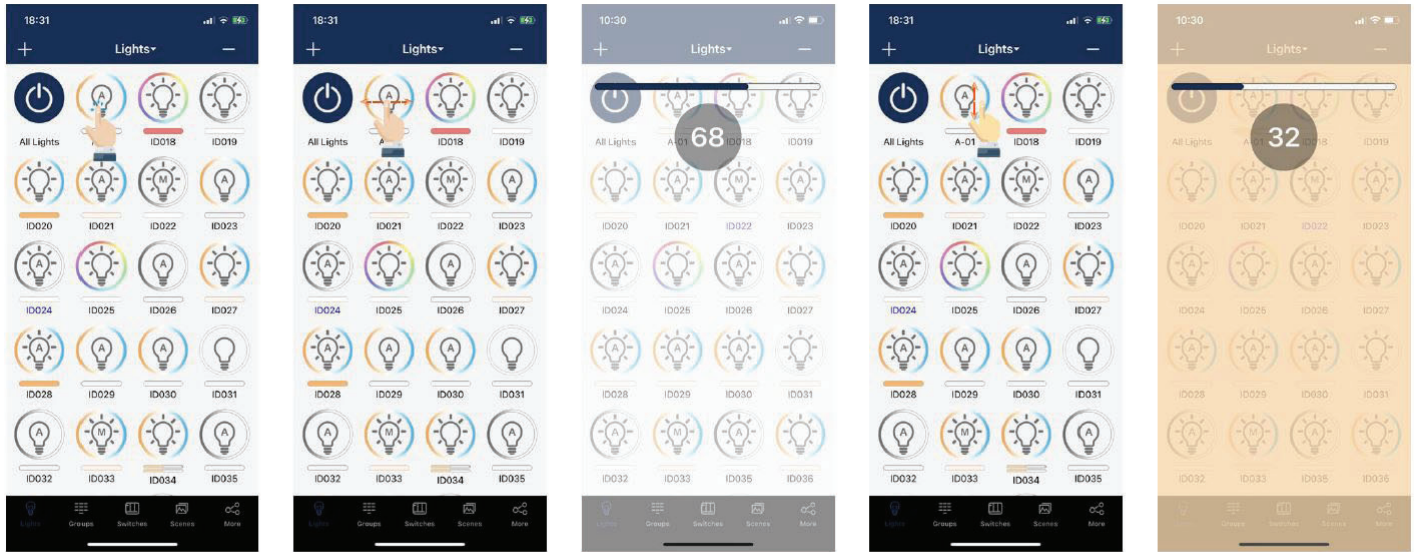
Input the light's name in the box and click "OK" to save it.



Please note that the wattage is the rated wattage after top-trim settings. E.g., you should input 24 for a 30 watt light with 80% of top-trim setting.

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QUICK DIM

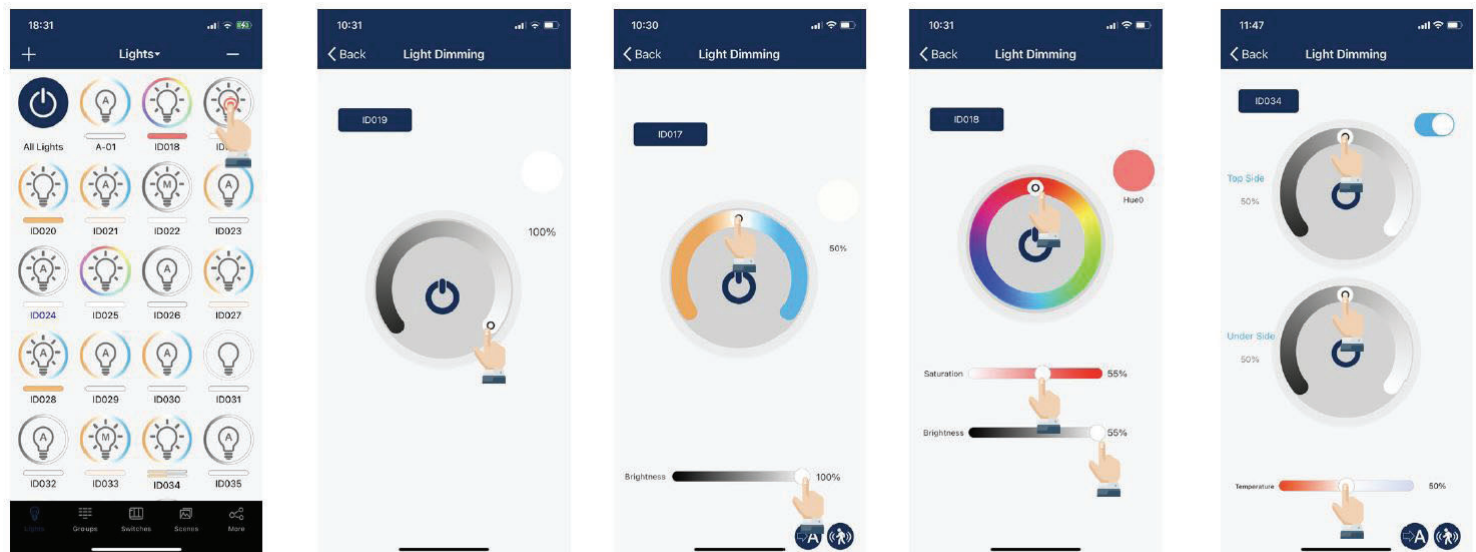


Click a light's icon on "Lights" page can quickly turn on/off it.

Left right slide on a light's icon can quickly dim up and down.

Slide up and down on a tunable white light's icon can quickly change its color temperature.

DIM AND TUNE



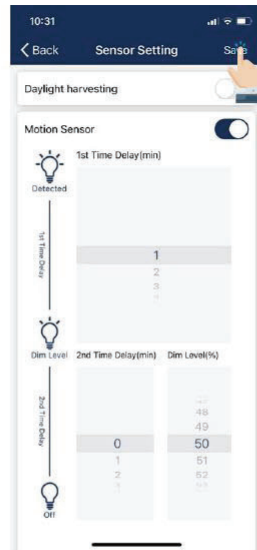
Long press a Light will bring out the dimming and managing page of this light.

The dimming page varies according to the type of the lights, from left to right are dimming pages for mono-dimmable, tunable white, RGB dimmable and direct/in-direct dimmable light. Please click and slide the controls to dim the lights.

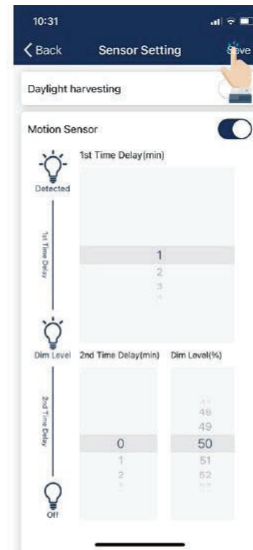
SET SENSOR



There is a sensor setting icon on the bottom right corner of the dimming page, click this icon to set the sensor's parameters.



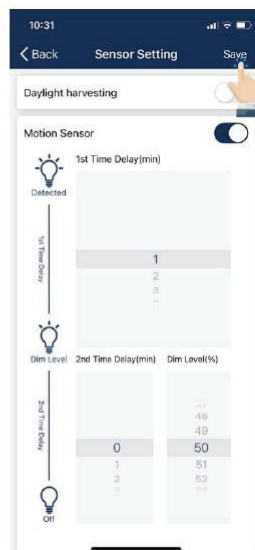
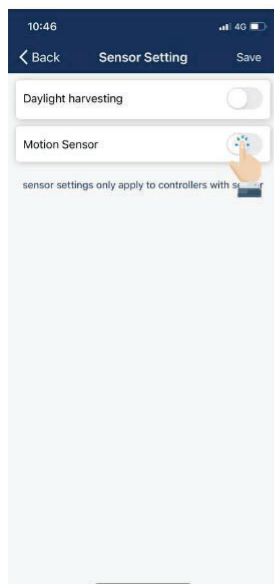
You may enable/disable sensors. And setting the parameters for the PIR sensor. Please click the "Save" button on the top right corner to save the settings. (Enable, disable sensors will become effect immediately without saving.)



There are two working modes of motion sensors, their behaviors in auto mode are defined as follow, please refer to the product spec for more details:

- Occupancy sensor, auto turns on when motion detected, and auto turns off when 1st/2nd timer timed out.
- Vacancy sensor, manual turns on when people entered the area and auto turns off when 1st/2nd timer timed out.

1st and 2nd time delay may set to "infinite" to prevent lights from turning off to meet special requirement for certain applications.



Sensor ready controllers have connectors that can connect to LiteTrace Eco-Sensors and firmware is ready to work with sensors but with sensors disabled under factory setting so it can work properly without sensors by default.

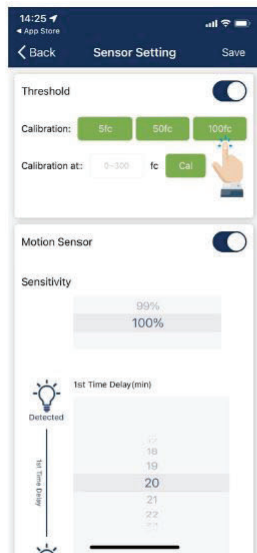
Customers may upgrade sensor ready controllers by either:

- Connecting them with Eco-Sensors to convert them to sensor controllers, or
- Adding them to a group with sensor controllers and enable linkage, so that they can be link activated by sensor controllers

In either way, please enable the sensors for sensor ready controllers and set the parameters so they can work properly.

The sensors will be disabled again if you reset them to factory settings.

SET PHOTOCELL

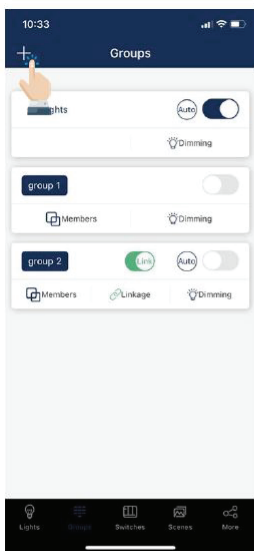


For photocell sensors, the default ON/OFF threshold is 10/60 fc. User may change the thresholds. Click the button of 5fc/50fc/100fc will set 5/50/100 fc as ON threshold respectively and the lights will turn on/off several times to auto-calculate the OFF threshold. User may input a specified fc value as ON threshold and click the "Cal" button to calculate the OFF threshold based on it.



It will prompt a notice message during the calibration process. Please wait until the calibration ends. The light will quick flash several times if it failed to calculate the OFF threshold successfully. Please try to calibrate in another time. One possible reason for calibration failure is there are too much ambient light so please not do it during the broad day light.

CREATE GROUP



Click the "+" on the upper left corner of the "Group" page to create a new group.

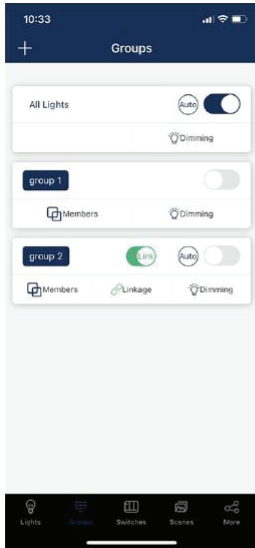


Input the group's name in the dialog and click "OK".

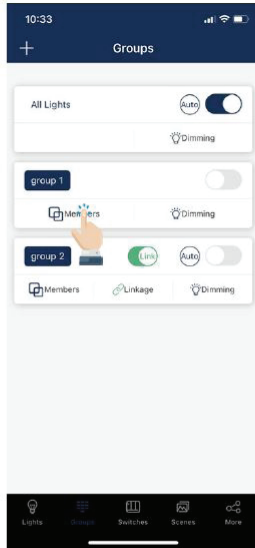


Click the checkbox on the bottom right corner of a light's icon to select/de-select the light. Click the "Save" button on the top right corner after select all appropriate members to save the group.

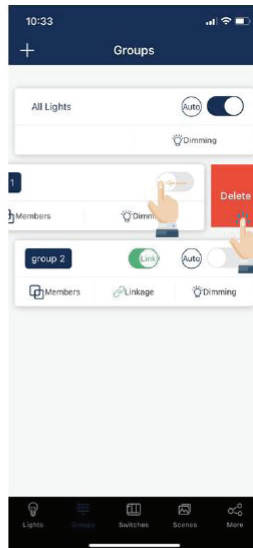
MANAGE GROUP



You may see all the groups in the "Group" page.



Click the "Member" button of a group to manage the member lights of this group.

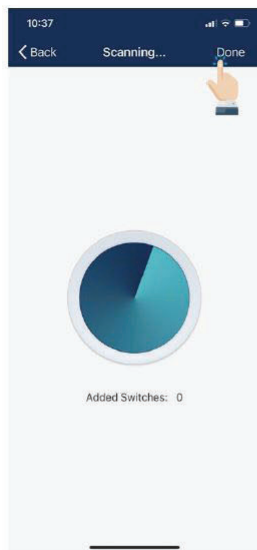


Left slide on a group will bring out a "Delete" button on the right, click this button may delete this group.

ADD SWITCH



Click the "+" on the upper left corner of the "Switch" page to search and add switches.



It shows the newly added switches number in the searching page. Click "Done" button to return to "Switch" page after successfully added the switches.

How to Enter the pairing mode

Please follow the instructions to set the switches to "Commissioning" mode after the APP starting to search and add switches so that you can add them into the zone. The switches will automatically exit the "commissioning" mode after 30 seconds or pressing a button.



Press the button 1 and 2 together and hold for 2 seconds and then release.



Press the button 1 and 3 together and hold for 2 seconds and then release.



Press the button 1 and 3 together and hold for 2 seconds and then release.

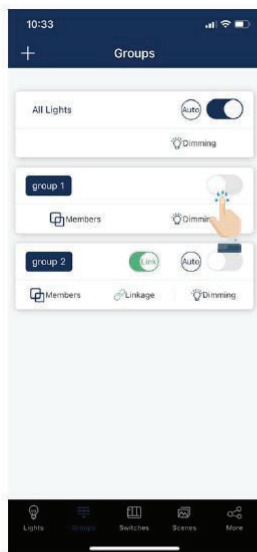


Press button 3 on a sequence of "3-short and 2-long press", short press means press the button and release immediately while long press means press and hold the button for 2 seconds then release.

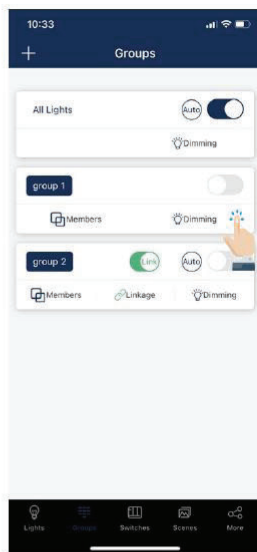
* for some early models the sequence is "133231" short press.

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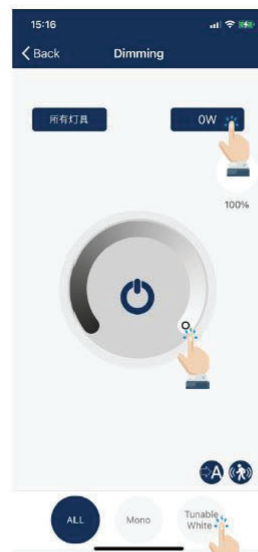
CONTROL GROUP



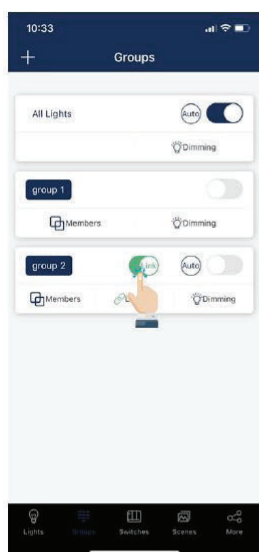
Click the toggle button on the upper right corner of a group to quick turn on/off the lights in this group on the “Group” page.



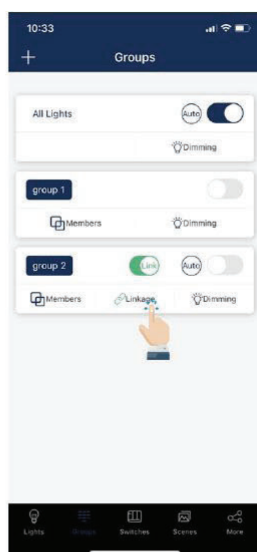
Click the “Dimming” button on the bottom right corner of a group to dimming the lights in this group.



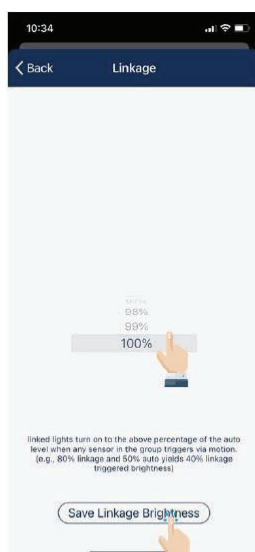
The available dimming control in the dimming page is shown according to the lights type in this group.
The light types in the group are shown on the bottom of the dimming page. You may choose to dim certain type of lights in this group.
You may also set the wattage for all lights in this group in a batch. This is not the total wattage of the group, it is the wattage for each light in this group.



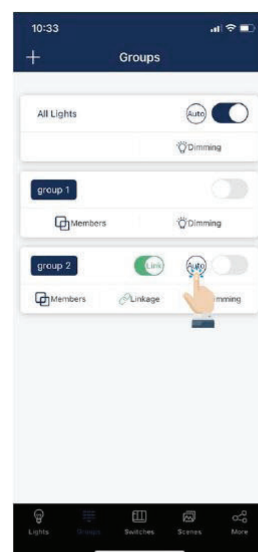
Click the “Link” toggle button for a group to turn on/off linkage function for this group.



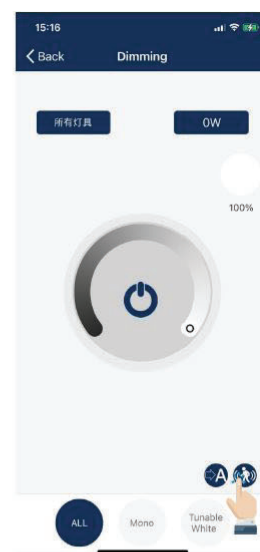
Click the “Linkage” button of a group to set the linkage brightness level of this group.



Set the linkage brightness level on the dimming control.
Click “Saving linkage brightness” button to save the setting.



Click the “Auto” button in the middle of the group to set all the lights in this group to Auto mode and controlled by sensors.

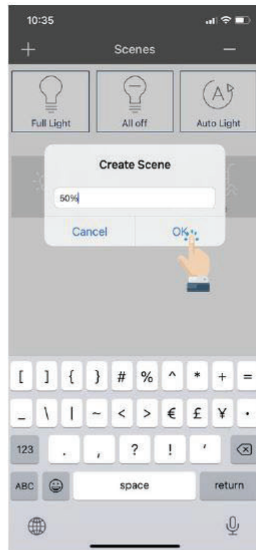


If there are lights with sensors in this group, then you may set the sensors parameter by click the sensor icon on the bottom right corner.

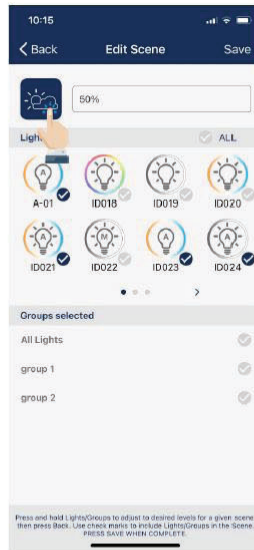
CREATE SCENE



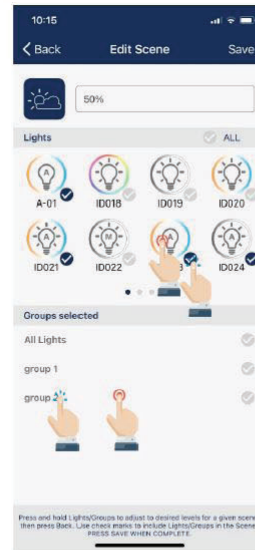
Click the "+" button on the upper left corner of the "Scene" page to create a new scene.



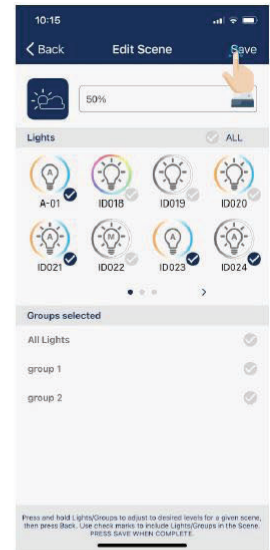
Input the scene's name in the dialog and click "OK".



Click the icon on the upper left corner to select an appropriate icon for this scene in the popup icon selection dialog.



You may select the lights or group for this scene in the lights/group's selection area on the bottom. Long press a light or a group may dim this light or group.



Click the "Save" button on the top right corner after all settings are done to save the scene.



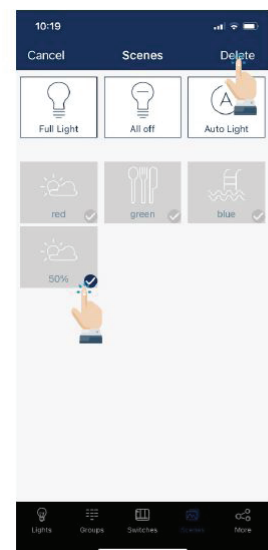
You may recall the scene by click the icon of this scene in the "Scene" page. The lights included in this scene will return to the light level in this scene.



Long press a scene in the "Scene" page may edit this scene.



Click the "-" button on the upper right corner of the "Scene" page to select and delete scenes.



Click the checkbox on the bottom right corner of a scene's icon to select/de-select this scene, then click the "Delete" button on the upper right corner to delete all selected scenes.

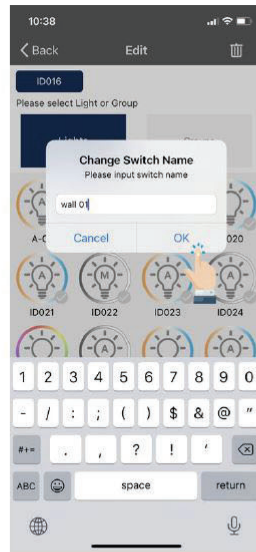
CHANGE SWITCH NAME



You can see all switches in the "Switch" page. Click the setting button on the upper right corner of a switch to set it.



Click the switch's name on the upper left corner in the setting page to change the switch's name.



Input the new name of the switch then click "OK" to save.



Click the delete button on the upper left corner of the setting page to delete this switch from the project. Click the "Back" button on the upper left corner to return to "Switch" page.

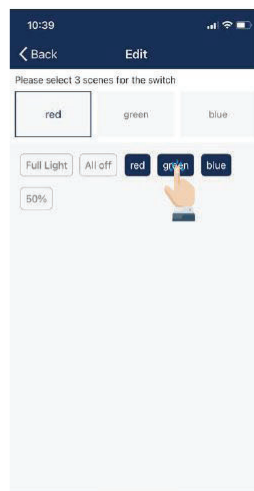
SET SWITCH



Click the "lights" to select a light to be associated to the switch.



Click the "Groups" to select a group to be associated to the switch.



Click the scenes to select/de-select scenes to be associated the button.

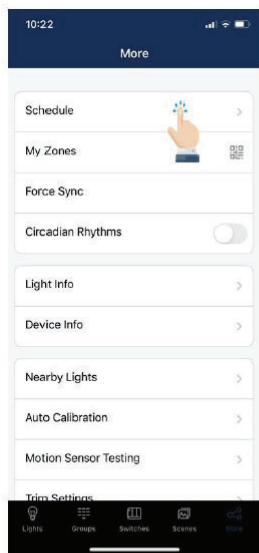
Button functions vary for different types of switches. Some buttons have pre-defined functions and can not be associated to scenes. Please set the functions of the switches according to their types. Which:

Associate scenes: associate scenes to a button and then it will change between these scenes when user press this button. Usually, a button can be associated up to 3 scenes.

Associate light: associate a button to a light then you may turn on/off the light by pressing this button.

Associate group: associate a button to a group then you may turn on/off the group by pressing this button.

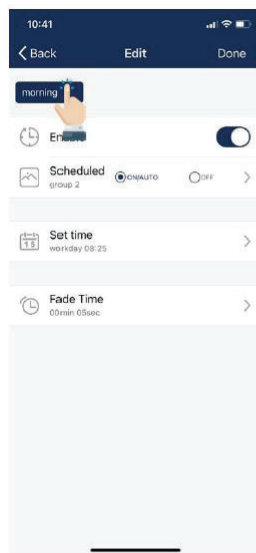
SCHEDULE



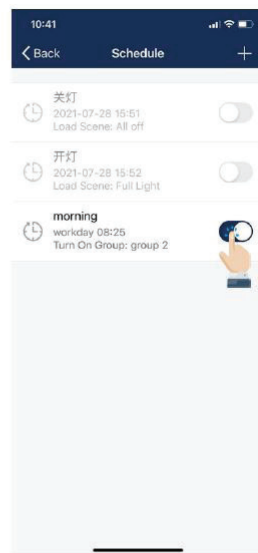
Click "Schedule" in "More" page.



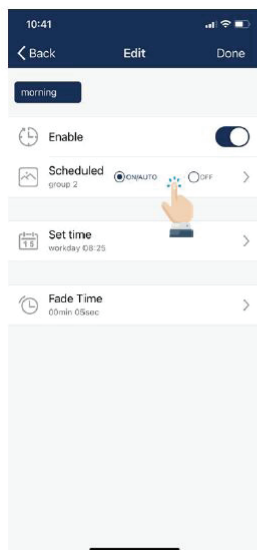
Click the "+" on the upper right corner of the schedule list page to add a new schedule.



Click the name on the upper left corner to change the schedule name.



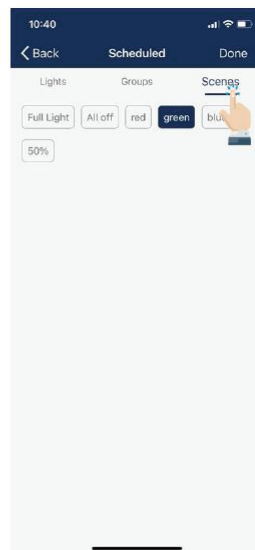
Click the toggle button to enable/disable the schedule.



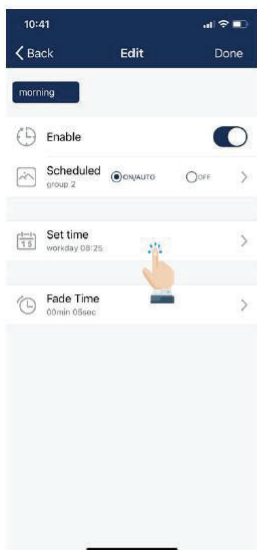
Click "Scheduled" to set the schedule action.



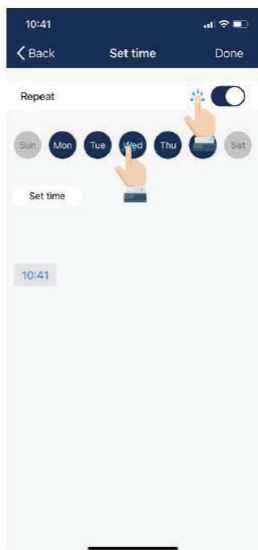
You may choose to associate to a light, group or a scene.



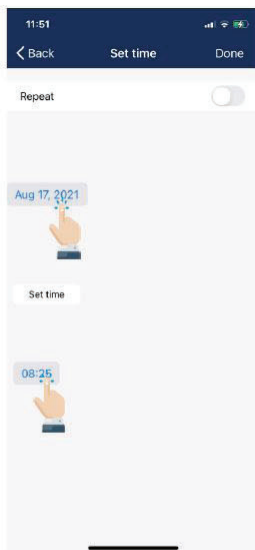
SCHEDULE



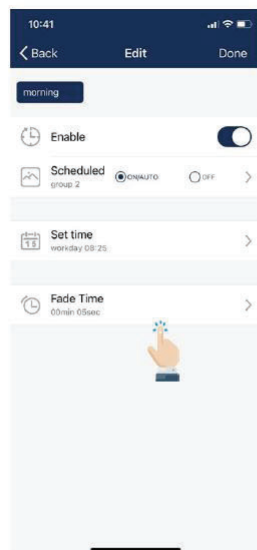
Click "Set time" to set the time of the schedule.



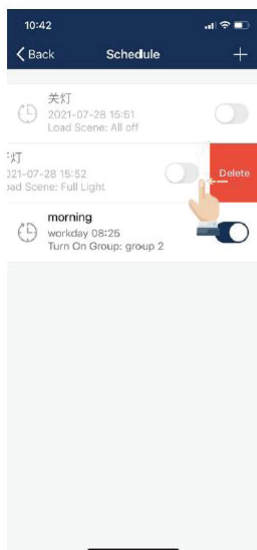
You may choose to repeat the schedule and the date and time.



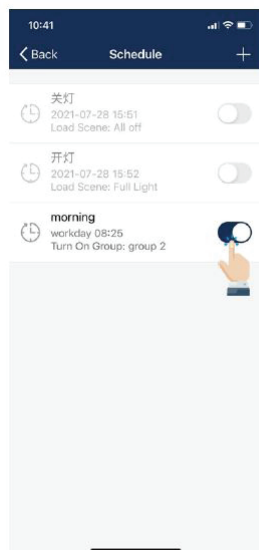
You may choose to run schedule just once at specified time and date.



Click "Fade time" to set the action fading time for the schedule action.



Left swipe on a schedule on the schedule list page and then click "delete" to delete this schedule.

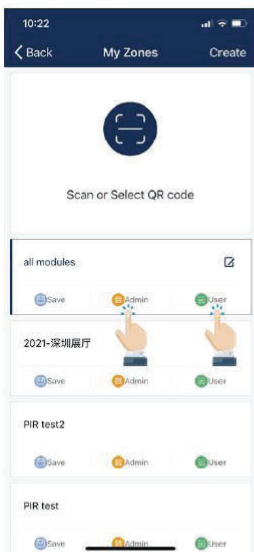


You may click the enable/disable button on the right of the schedule to "enable" or "disable" the schedule in schedule list page.

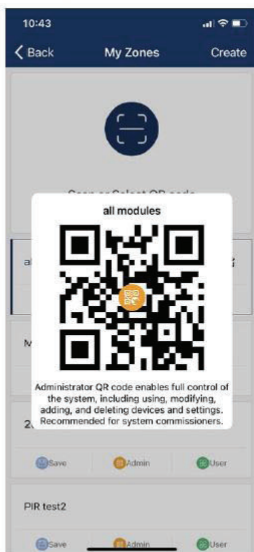
SHARE SETTINGS

Admin privilege: With privilege for all operations, only the users with high privilege can share high privilege QR code.

User privilege: user can dim and call scene, but can not add, delete, change lights, group or scene.



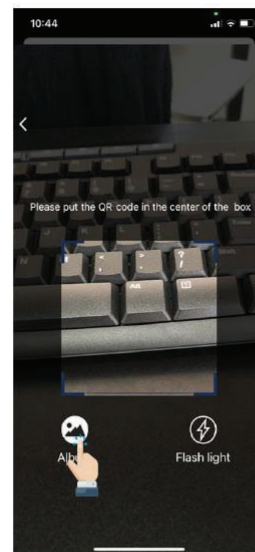
Click "My zone" in "More" page to see all the zones in the APP.
The first zone is for the current zone in use.
Click "Admin", "User" to share the zone to others with different privileges.



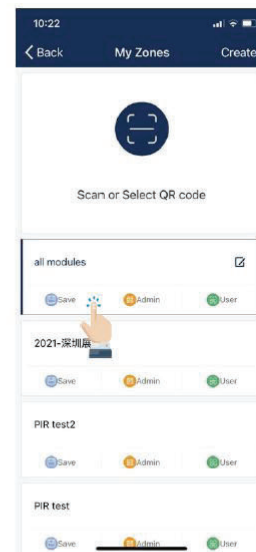
Share zone to others.



By click Scan button in "My zones" page to scan QR code and get control of the zone.



Point the camera of the phone to the QR code to scan.
Click the "Album" on the bottom to scan the QR code pictures in the phone's album.



Click "Save" in "My zones" page to save the QR code as pictures to album so that you may send them to others.