

# User manual

## Hardware Installation and Settings

1. Fixing method: the base is attached to the iron or screwed to other materials, then the body is attracted to the base or placed directly on flat like tables. Please make sure that the body of the sensor is firmly installed. Otherwise, it may cause false alarms when vibrated or blew with the fixed object.
2. The distance between the sensor and supporting Bluetooth gateway should not be so far during installation. It is recommended being within 15 meters without obstruction indoors, or the distance should be decreased by the material, height, thickness, etc. of obstruction. The appropriate distance is that the normal sensor alarm can be seen every time on the mobile APP.
3. Detecting direction: When the feet are downwards and the buttons are placed upwards, the main detecting direction is the human body's left-right movement, while less sensitive to up-down and far-near movements.
4. Detecting angle : 120 degrees. When the sensor attached to the base can rotate freely at a certain angle, please turn the lens to a reasonable position to align the main direction of the human body and avoid the source of interference(For example, a certain distance should the sensor keep from the space for small animal activities, sun exposure, the sky, lamps, hot water cups, firelights, cooking utensils, kitchen appliances and all kinds of large heating objects, etc. , which can be 1 to 10 meters in different situations).
5. When first installing, please unplug the battery insulator to energize.
6. This sensor is powered by two 1100mAH No. 7 batteries. It can work for about one year if it tests 60 human body per day on average. After the battery runs out, the user can open the back cover to replace it by himself following the Instructional drawings provided by the structural engineer.The spring is connected to the negative electrode of the battery, the entire circuit will automatically stop working with battery anti-reverse circuit once the battery is reversed.
7. After opening the back cover, the user can set the sensitivity of the sensor by toggling the small switch on the side of the battery compartment. When it is turned to H (HIGH), the maximum sensing distance is about 10Meters, suitable for large spaces such as warehouses. When turned to the L (LOW) , the maximum sensing distance is about 5 meters, which is suitable for ordinary families. The higher sensitivity, the more likely to be triggered accidentally. The factory default setting is L, and you can request to specify H when booking in large quantities.
8. When someone is detected, the green indicator light on the sensor will light up and the server will be reported through the gateway. After the hardware is fixed for a delay of about 1 minute, the green indicator light will turn on again and report that the person has left via the gateway(It doesn't matter whether the person is really gone, as long as his movement is not detected, and the movement must have a certain amplitude).If someone is detected again during this period, the time will be restarted.

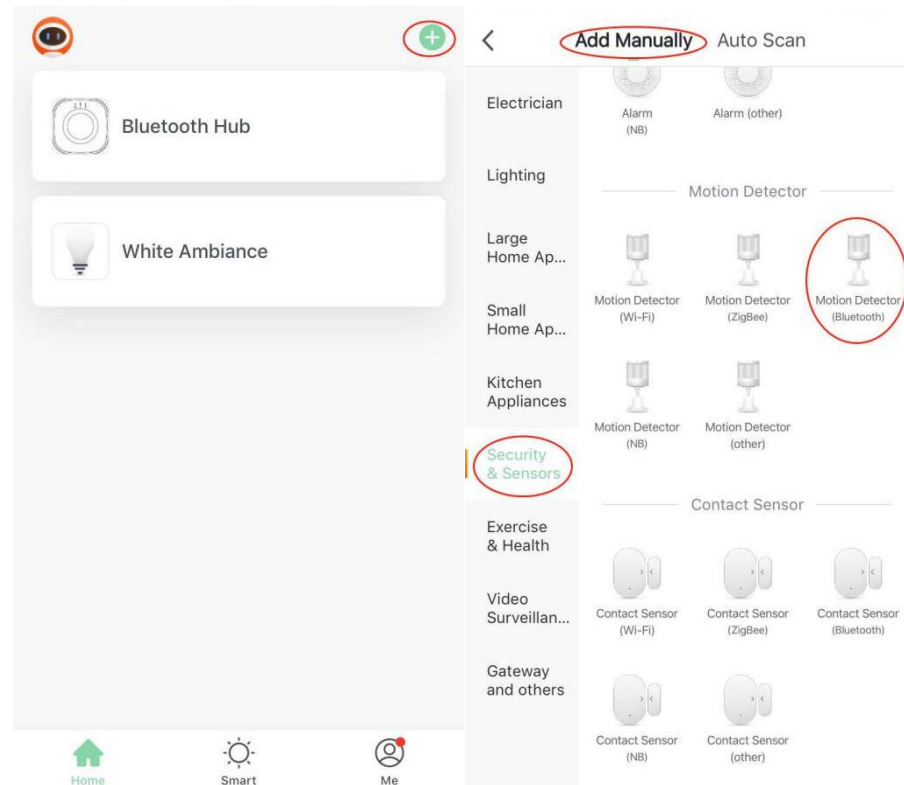
## Mobile APP and Software Settings

1. Download and install the “Energetic Lighting” APP from the mobile app store, and register with your mobile phone number or email address. Please choose the correct region like the United States or Canada while registering, which will affect the display language and some features while using , or log in with existing account. The details on home and room management is refer to the operating instructions of the “Energetic Lighting” APP, then turn on the WIFI and Bluetooth of the

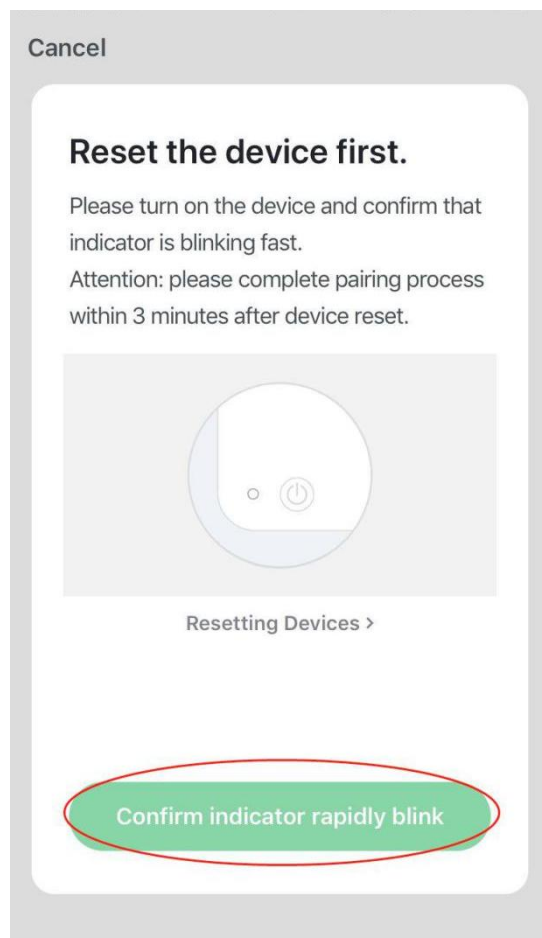
mobile phone.

2. Plug the matching Bluetooth gateway into the power supply and configure it. You can refer to the instruction manual of Yankon Smart Lighting for details.

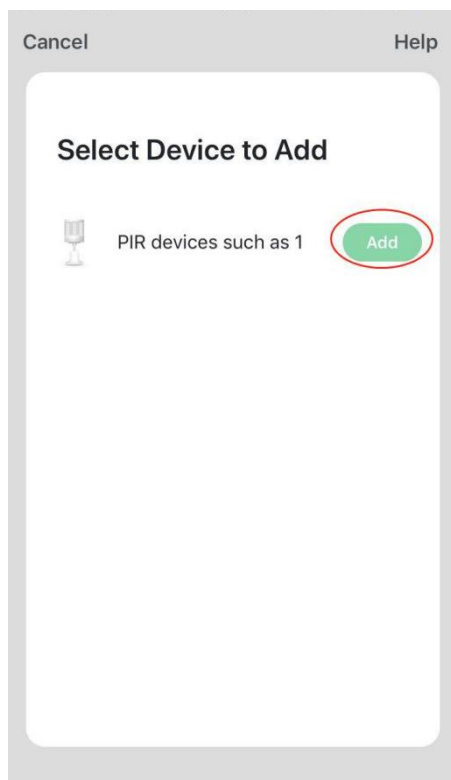
3. Press and hold the small button above the side of the sensor for more than 5s and then release it. You can see the indicator light is flashing inside the lens to initialize the configuration. Open the "Energetic Lighting" APP, click the "+" sign in the upper right corner to add manually, select Security Sensor-Motion Detector (Bluetooth)



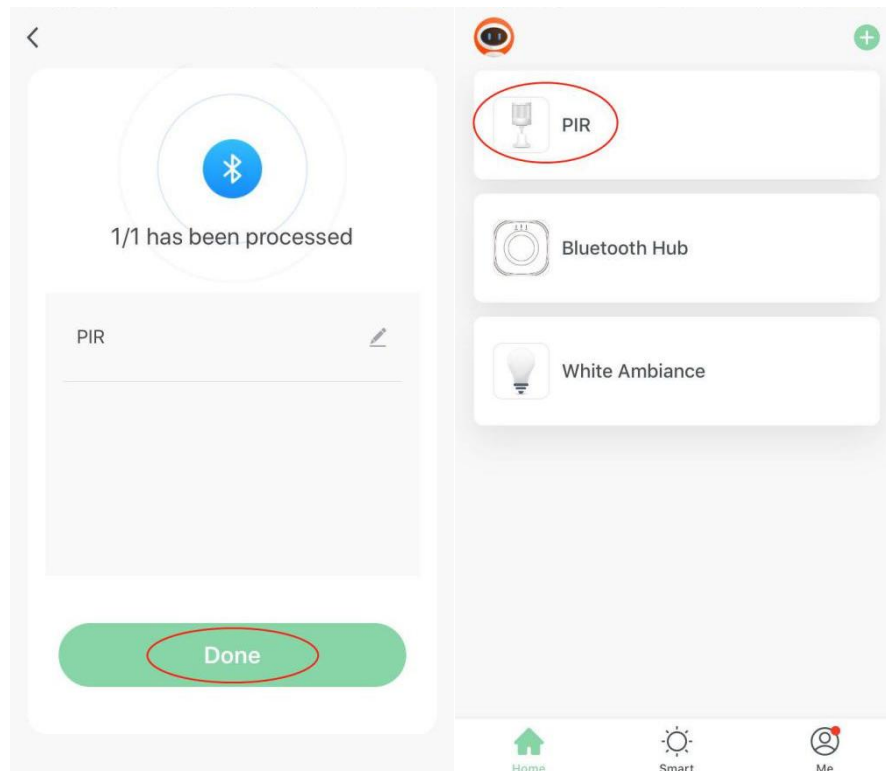
Confirm indicator rapidly blink



Select device to Add

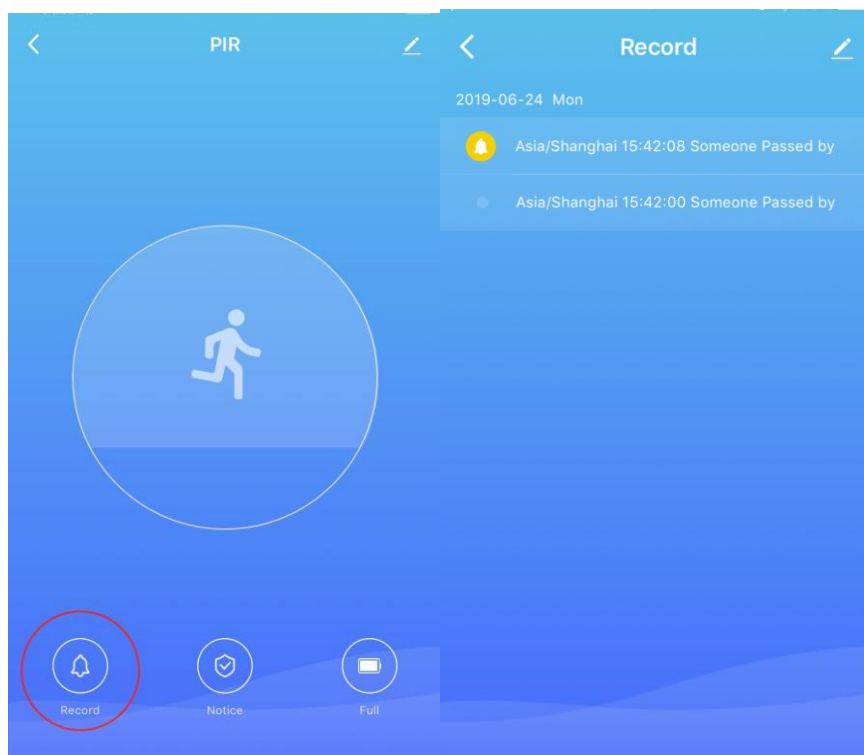


You can choose to change the name and click “Done” to return to the main interface



If you haven't seen the newly added device in the main interface, you can pull down to refresh. When there are multiple devices, you can add them one by one as described above, or select Auto Search to add device. You can refer to the instruction manual of Yankon Smart Lighting for details.

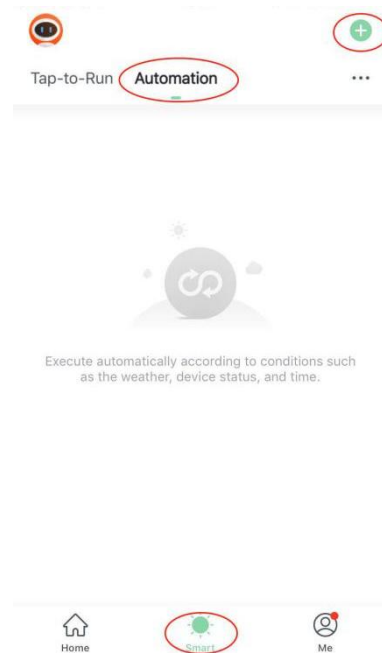
After tapping the sensor, you can click the record to view the historical time detected .



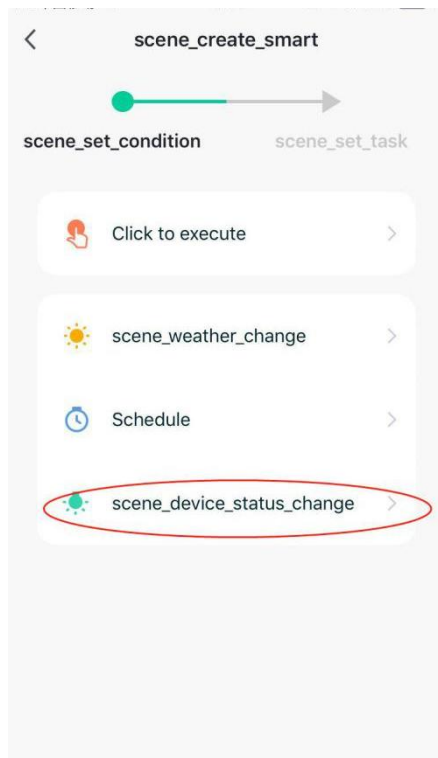
1. Add other Yankon smart light that can be linked with, you can refer to the corresponding product manual for details.
2. Some smart devices can be managed by group, You can refer to the instruction manual of Yankon Smart Lighting for details.
3. There are many setting measures for linkage. Here is a simple example that an indicator light will light upwhendetcting someone, and the light will automatically turn offafter 2 minutes. There are countless functions for the user to set. In addition, the linkage devices can be single, multiple, or groups, and the devices can be Bluetooth or WIFI devices connected on the same LAN.

First, set up an automation that turns on the lights automaticallyaccording to conditions:

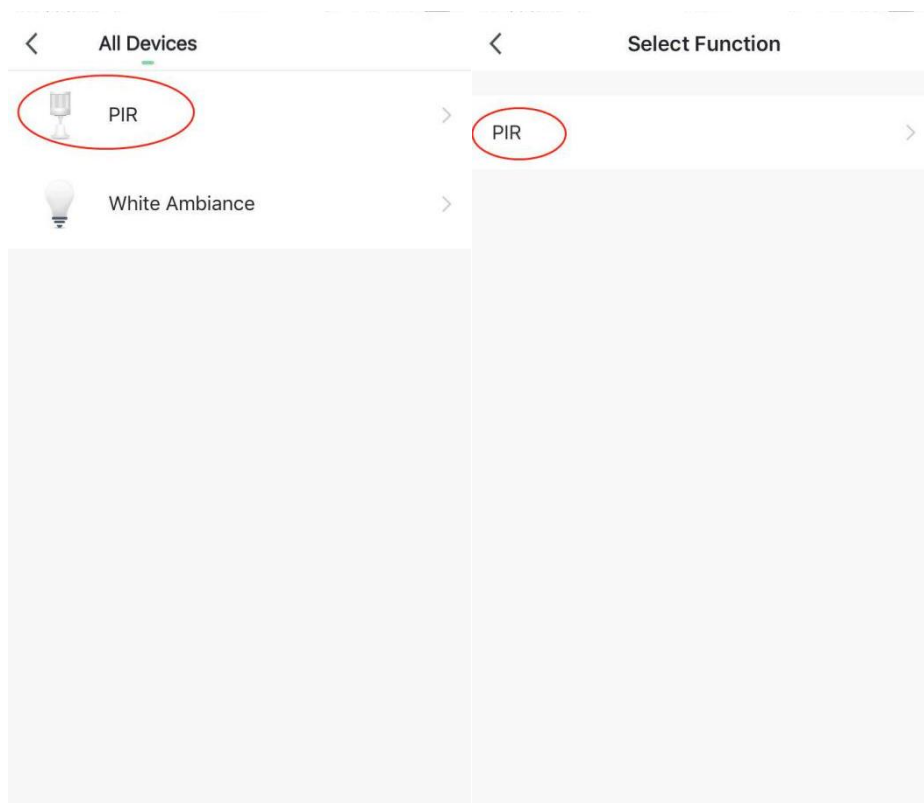
Click Smart-automation-add automation in the bottom middle of"Energetic Lighting" APP.



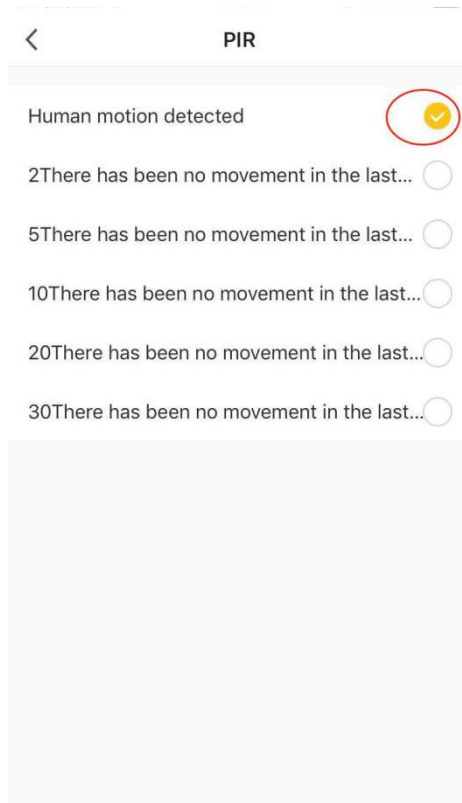
Choose a detecting device



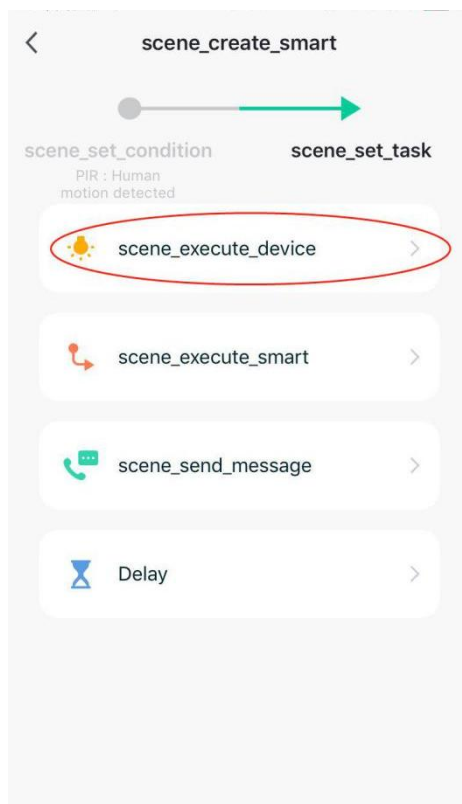
Choose the detecting device "PIR"



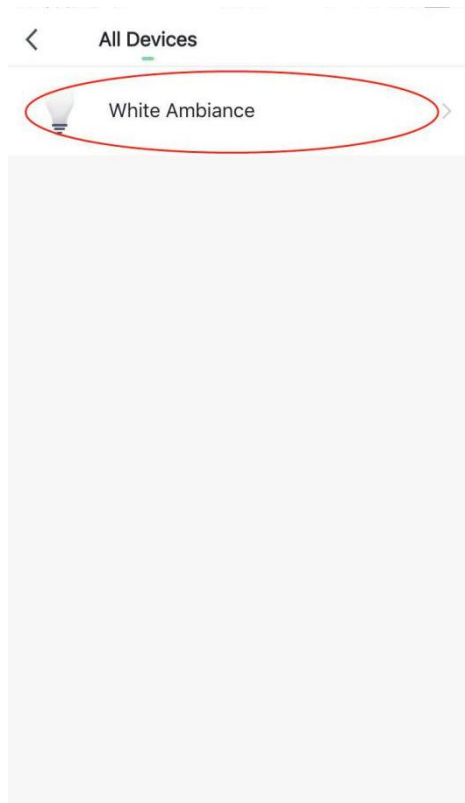
Choose "Human motion detected"



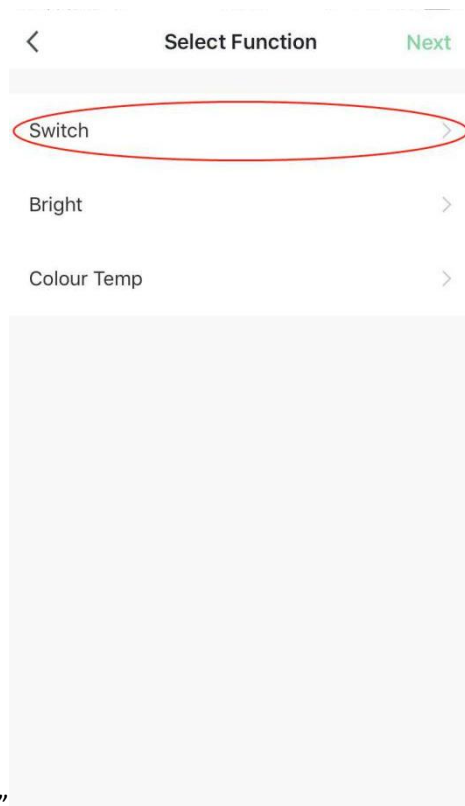
Then return, click device to select the smart device you want to link,

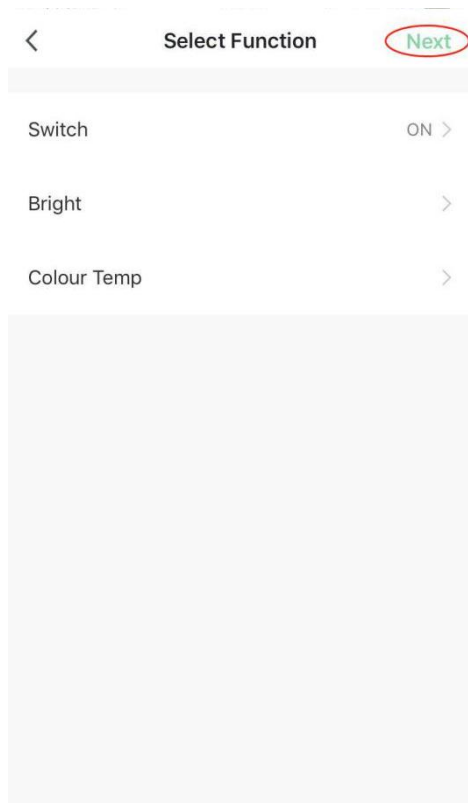
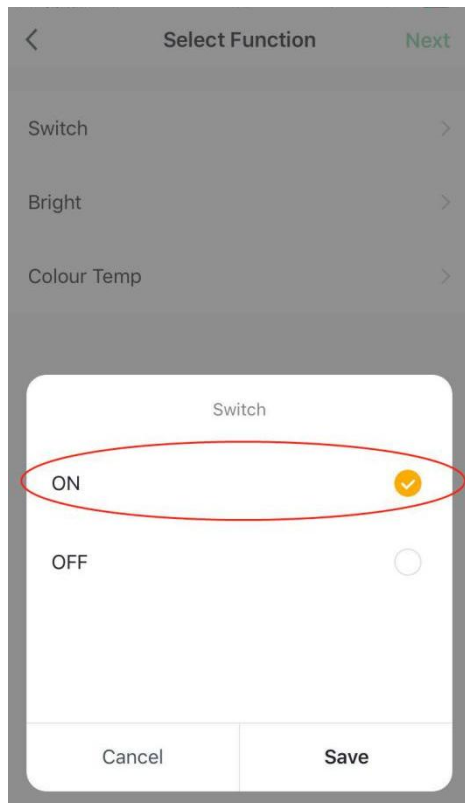


Here select the white ambiance to link



Choose “Select Function”, then choose “Switch”.





Here you can select a time to set the Effective Period,

Cancel

Edit

Save



is there anybody : Human motion detected

PIR

>

Task

+



White Ambiance

Switch:ON

>

Name

scene\_if, "White Ambiance" Switch:ON

>

Style



>

Effective Period

All day >

Delete

<

Effective Period

Next

City

Please select a region >

Effective Period

All day

24 hours

☒

Daytime

From sunrise to sunset

☐

Night

From sunset to sunrise

☐

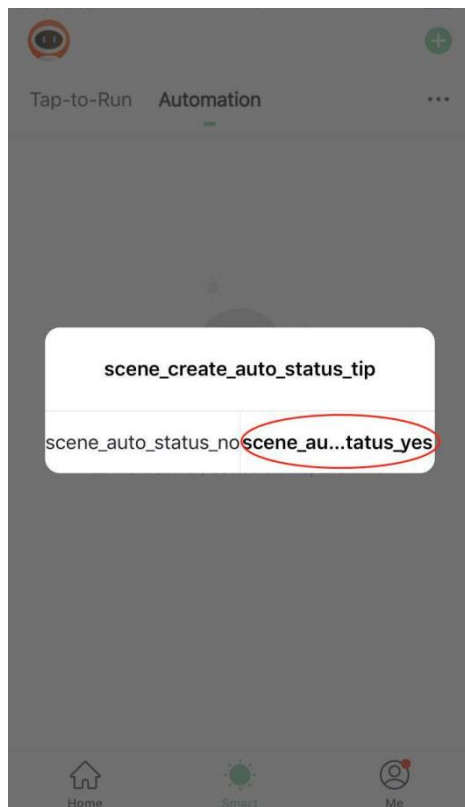
Custom

User-defined time period

☐

Repeat

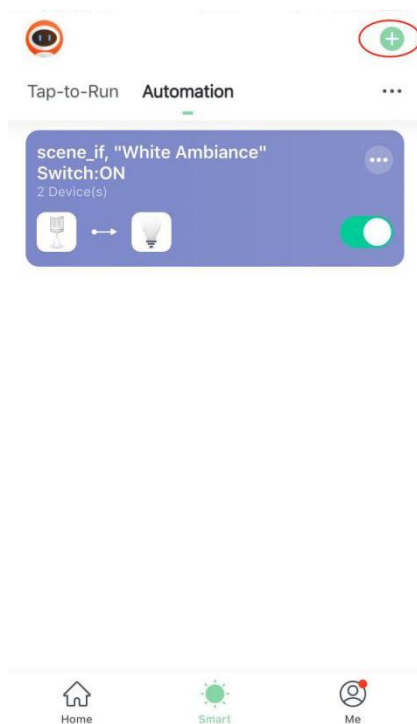
Every day >

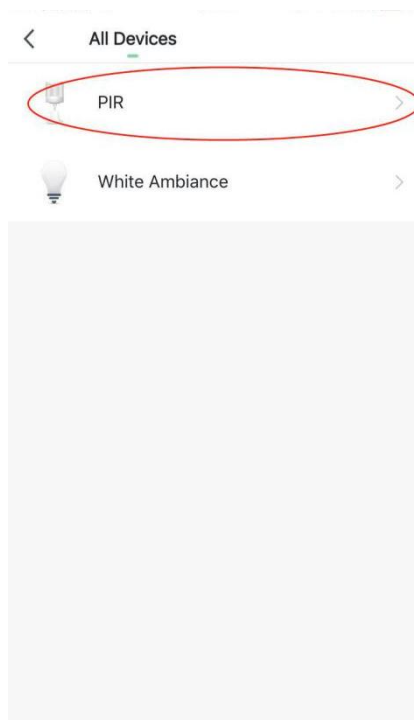
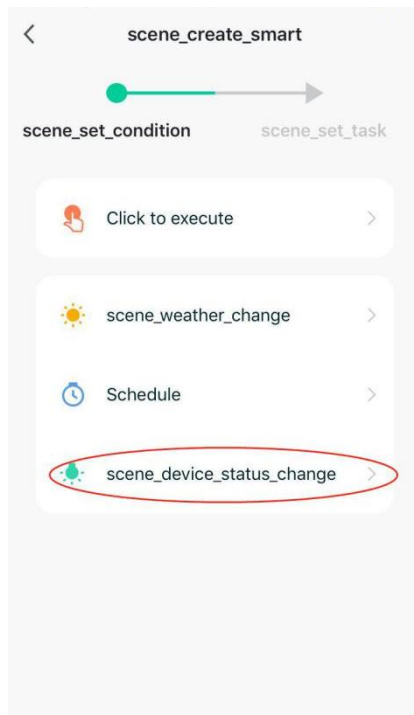


Save it after finishing setting. Now the PIR detection linkage lamp: The control to turn on the lamp when there's someone has set.

Next, set up another automation to turn off the lights:

First, similar to the previous one, the condition is how long there's no person is detected by the same PIR sensor. The choice including 2, 5, 10, 20, 30 minutes. We choose 2 minutes.





<

PIR

Human motion detected

☐

2There has been no movement in the last...

☒

5There has been no movement in the last...

☐

10There has been no movement in the last...

☐

20There has been no movement in the last...

☐

30There has been no movement in the last...

☐

<

scene\_create\_smart

scene\_set\_condition

PIR : 2There has been no movement in the last min...

scene\_set\_task

 scene\_execute\_device

>

 scene\_execute\_smart

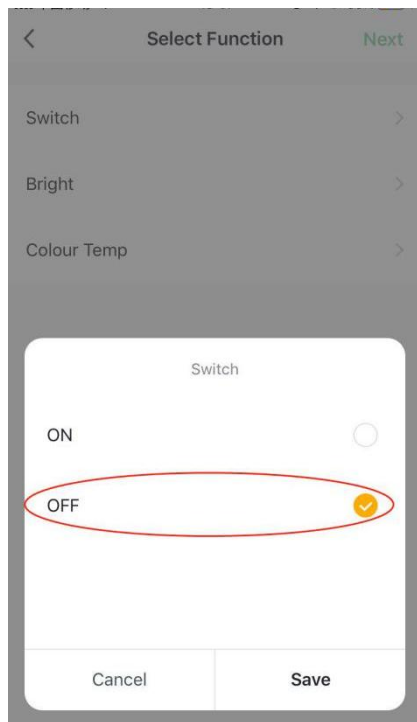
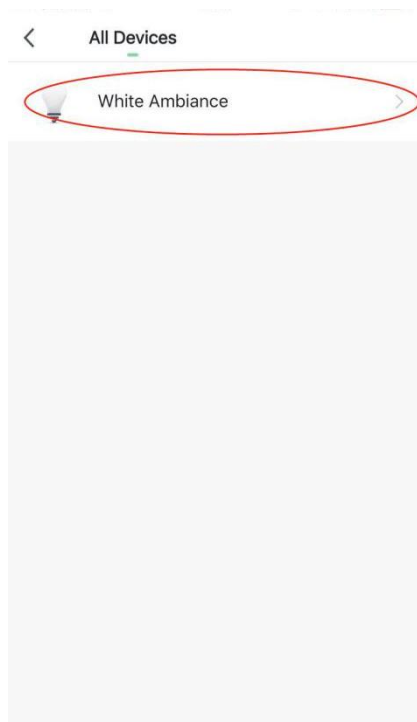
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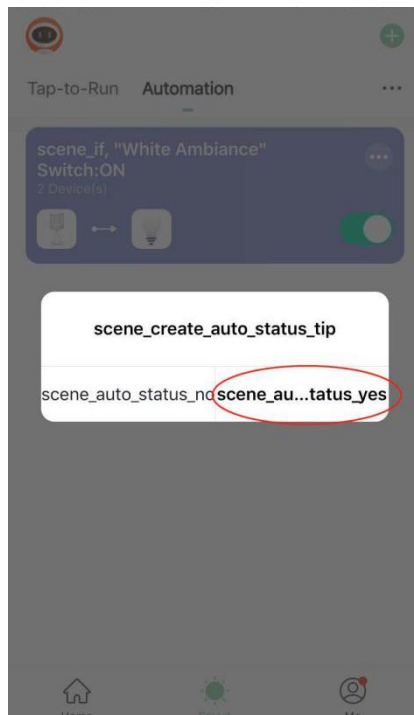
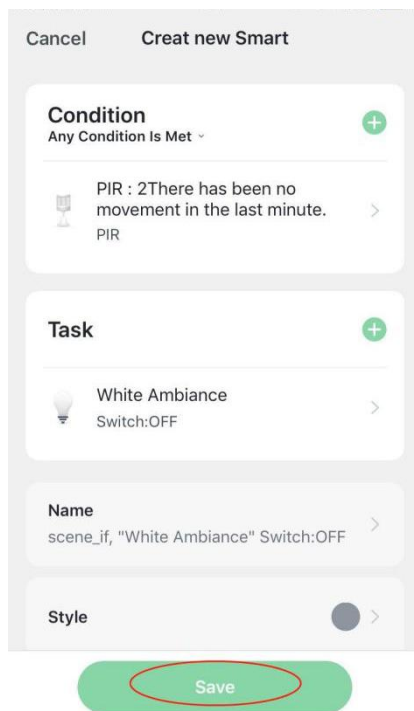
 scene\_send\_message

>

 Delay

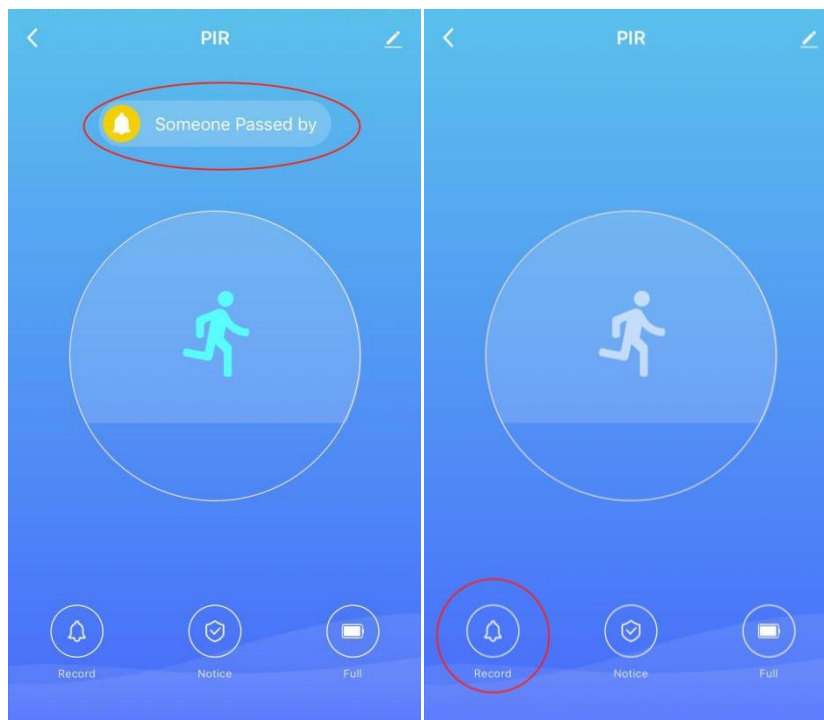
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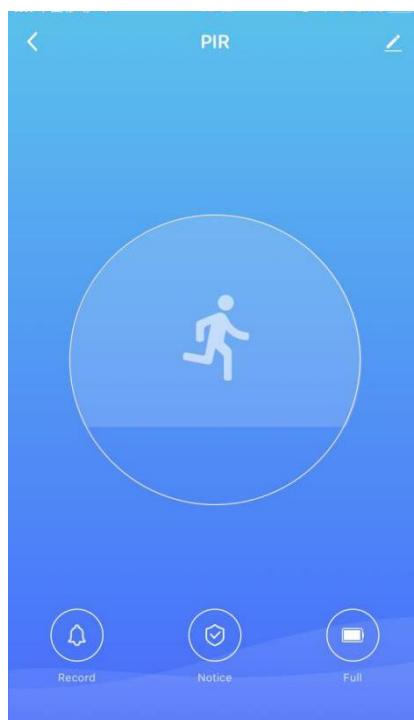


Now the PIR detection linkage lamp: The control of turning the lamp off after two minutes or with no person is detected has completed.

For example: Entering the interface of PIR , you can see that PIR displays information when detecting someone, and specific historical information can also be found in Record. When the PIR detects someone, it will light up the light.



The picture below shows that the PIR will linkage control the light off if the PIR haven't detected people after detected someone 2 minutes ago.



When a delay has not expired and someone passed again, it will calculate the delay again based on the last time someone left.

1. Hardware size, weight and other parameters:

Later provided by the structural engineers.

2 Information of package and attachment, etc.

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3 Maintenance, warranty, exemption, FAQ and other information:

It is forbidden to shake the product violently or place it in an area with sharp temperature changes, which may damage the product.

When the outside of the product lens is dirty, you can use a soft damp cloth to wipe it. Be careful not to scratch the surface. Do not clean the inside. If you accidentally open the inside and stain the internal sensor lens, you can only clean it with absolute alcohol.

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#### **FCC Statement**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **FCC Radiation Exposure Statement**

This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**ISED RSS Warning:**

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**ISED RF exposure statement:**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le rayonnement de la classe B respecte ISED fixaient un environnement non contrôlés. Installation et mise en œuvre de ce matériel devrait avec écarteur distance minimale entre 20 cm ton corps. Lanceurs ou ne peuvent pas coexister cette antenne ou capteurs avec d'autres.