

PSC03 & PSC05 Z-Wave Gateway Installation Guide



PSC03



PSC05



Getting Started

1. App Download/Installation : Download " Home Mate" App from Google/App stores



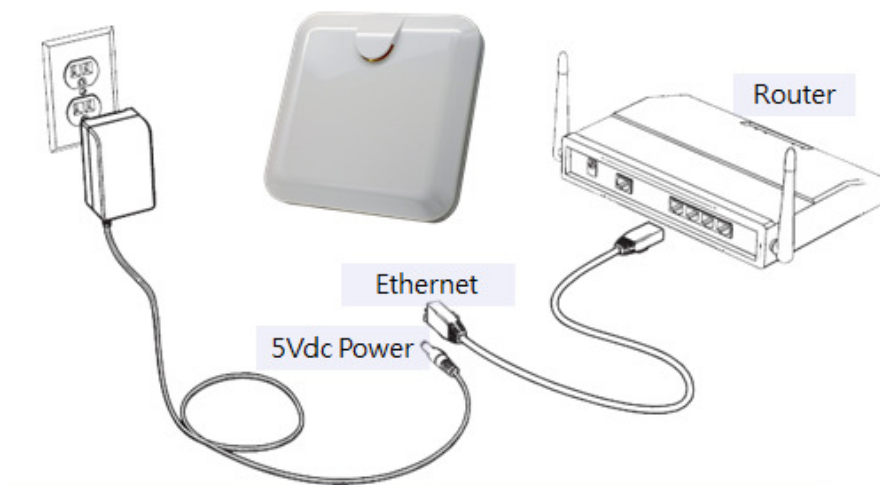
App icon

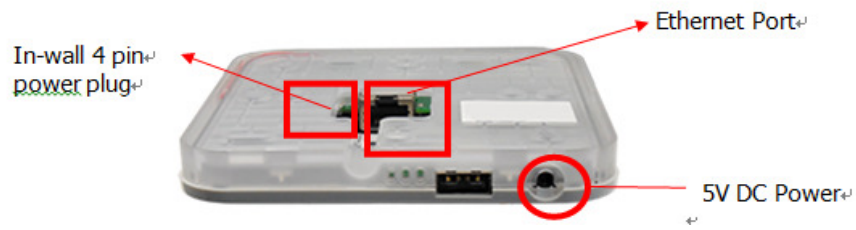


2. Gateway Installation

a PSC03:

Connect the gateway to Wi-Fi router via Ethernet cable and power on the device with AC cable; the white LED in the front cover will be ON as confirmation of connecting to internet.



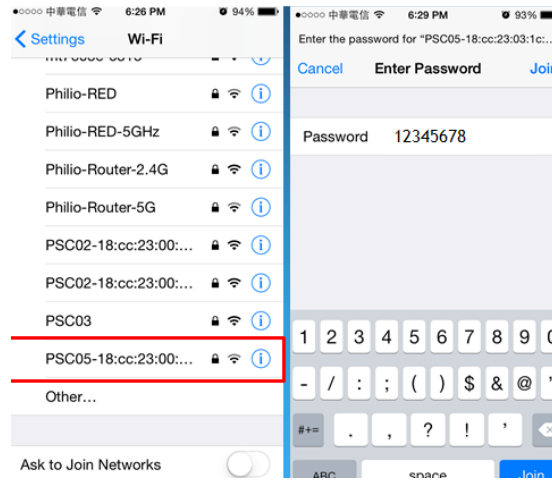


b. PSC05:

Power up the gateway to any 5V DC USB port and wait until red LED on. And then search for SSID in wireless connection.

Default SSID: PSC05:XX:XX:XX:XX:XX

Default Password: 12345678

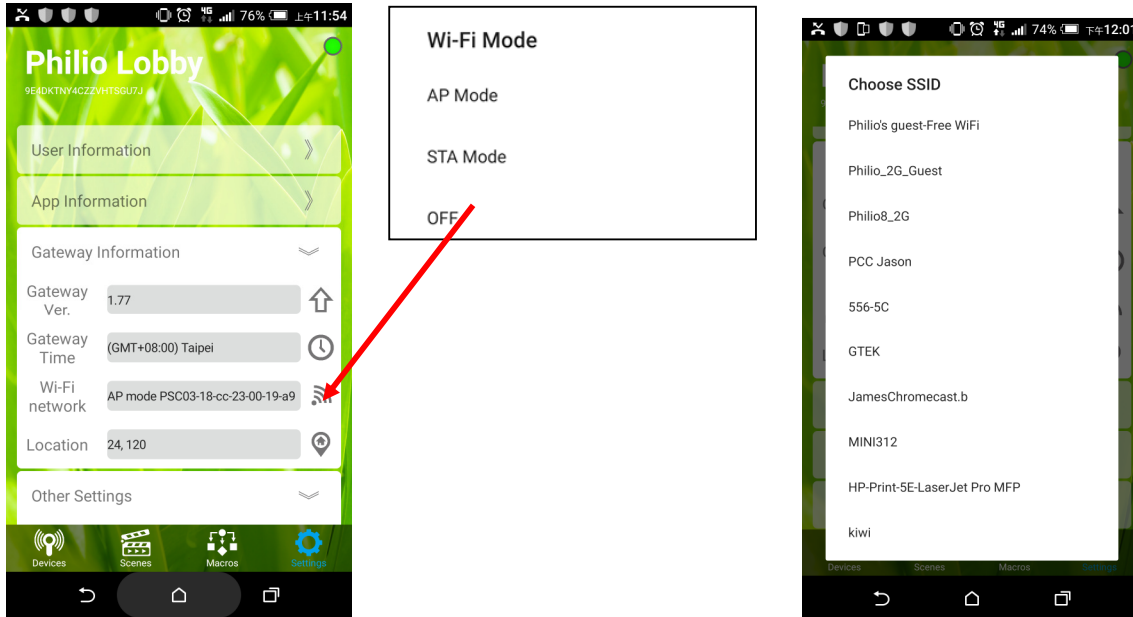


- 3. APP login:** Launch the "Home Mate" App, press the search button to connecting to the home Wi-Fi router and retrieve the gateway's UID. Or you can scan the QR code directly to retrieve the gateway UID and then key in the default ID "admin" and password "888888".



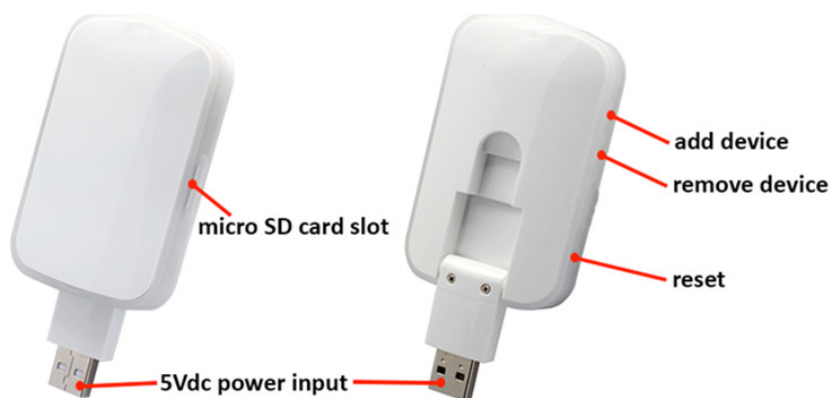
4. Wi-Fi setting (PSC05 Only)

To connect the PSC05 gateway to your local Wi-Fi router, please go to setting page
→ Gateway Information → Wi-Fi network → STA mode → and select the SSID of the preferred router.



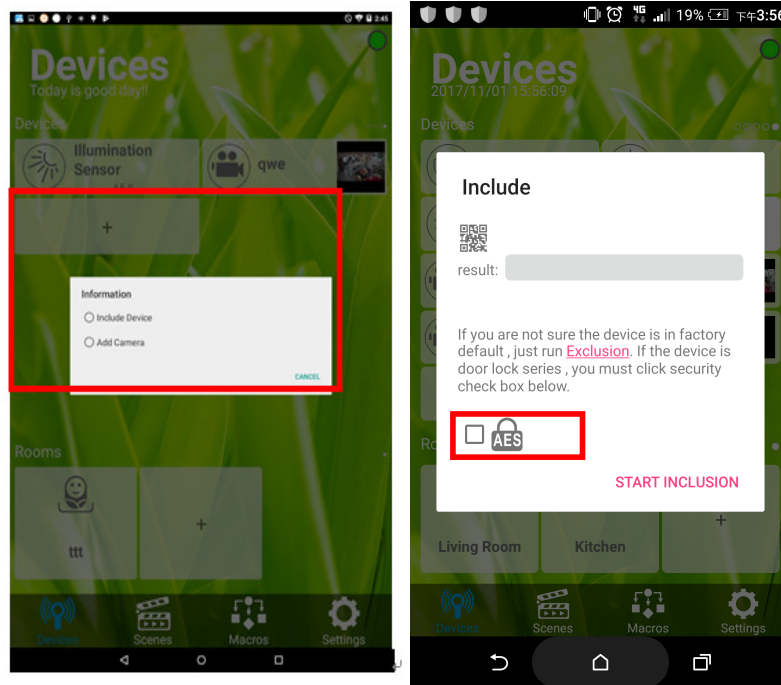
Remark:

If the Wi-Fi gateway couldn't be found in your smartphone Wi-Fi list, please use paper clip to press the "reset" and hold the button until red LED off (around 20 seconds). The gateway will reboot around 20 sec. later and red LED light keep steady on.

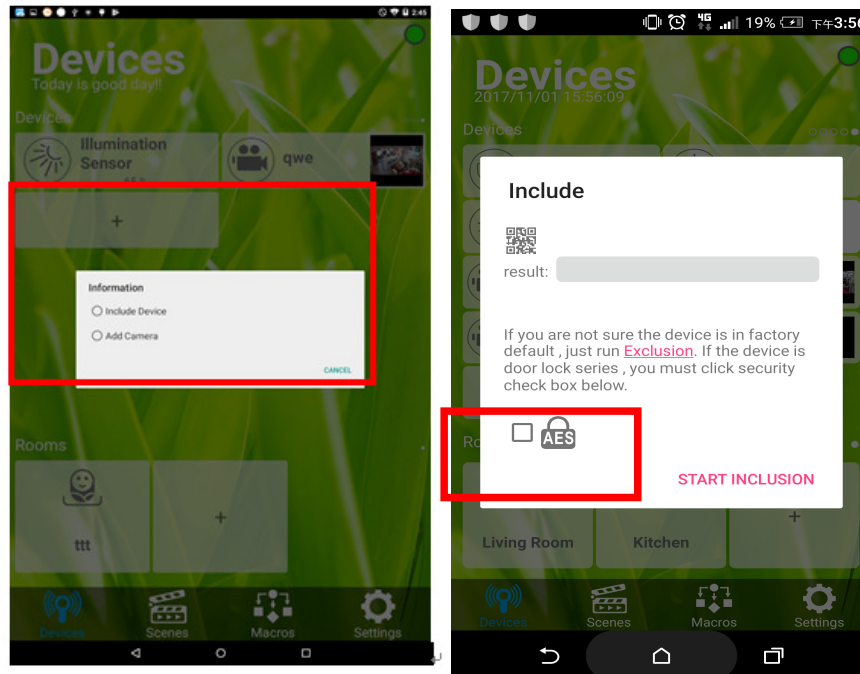


Setup Devices

1. To add sensor devices or Wi-Fi IP camera by pressing the "+" in "Devices" page
2. Select "Include Device" → press "Start INCLUSION" (the gateway LED will be flashing_ as confirmation to proceed in inclusion mode)
3. **a.PSC03:** To press the include button on each sensor devices (see below remarks)



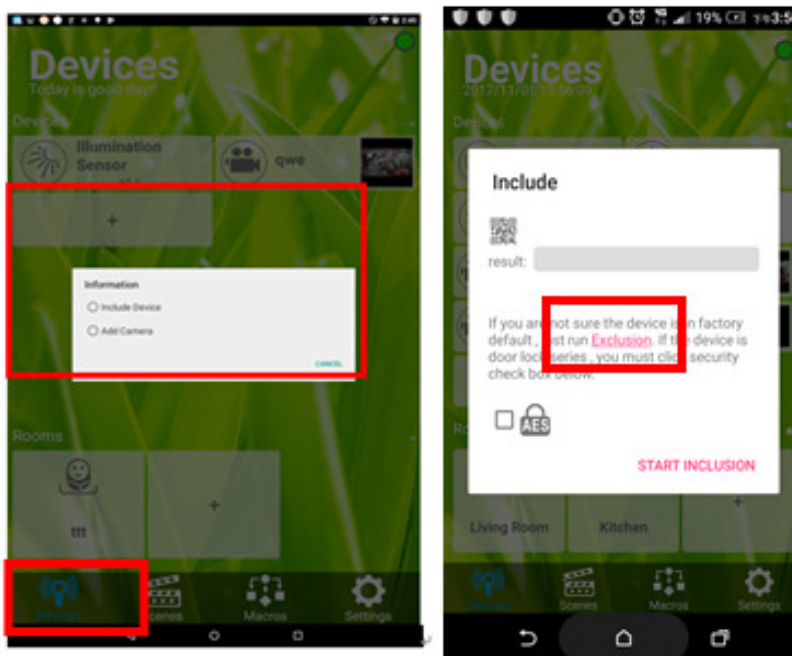
-
-
- b.PSC05:** To pull out the black Insulation Mylar from battery cover, the sensor will send signal to gateway automatically and complete the inclusion.



If the sensor being included in other gateway before, please be sure to "Exclusion" the sensor firstly before you "INCLUSION" it to the new gateway. Here is the example to add 4 in 1 sensor to another gateway for reference. For other sensors, please refer to below "Remark".

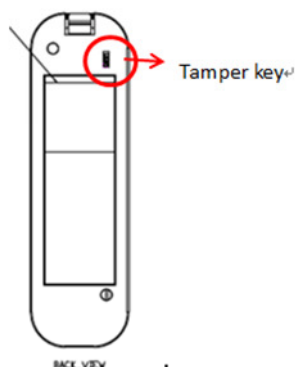
Method A:

a. In App Device page → press "+" → Include Device → press "Exclusion"

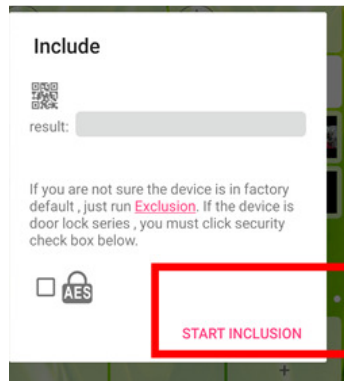


b. Once the gateway red LED blinking → Press tamper key three times within 1.5 seconds →

App will show "Device excluded" on App once completed exclusion.

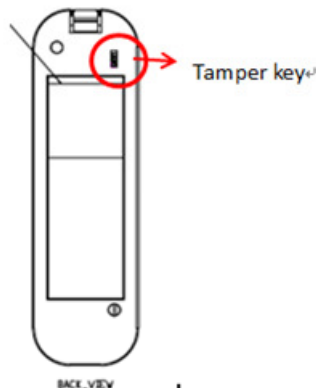


c. And then press "START INCLUSION" within 20 seconds

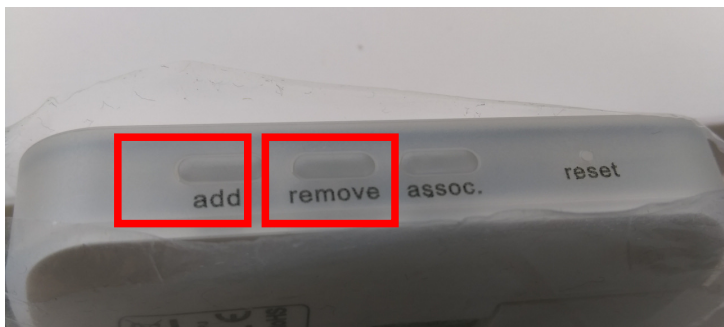


Method B:

- a. Press the "removal" button on the gateway
- b. Once the gateway red LED blinking → Press tamper key three times within 1.5 seconds → App will show "device excluded"



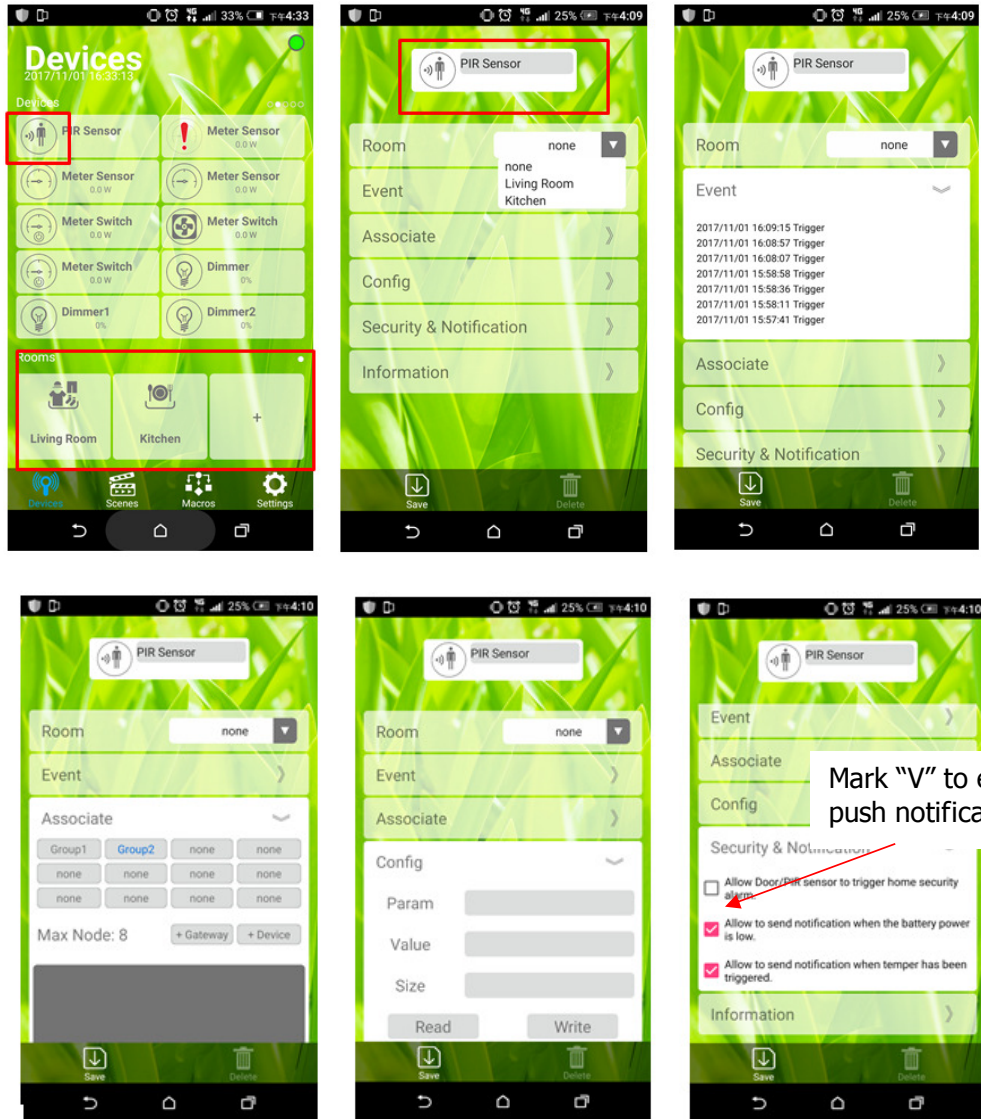
c. Then press the "add" button on the gateway within 20 seconds, the gateway red LED will be blinking as confirmation to start Exclusion process. (Once the sensor be added, the gateway red LED will be on.)



4. Once completed inclusion:

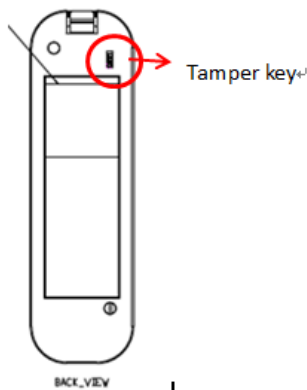
4.1 You could appoint sensors in different rooms by adding "+" new rooms

4.2 You could change device name, setting and view events by clicking into the sensor icon.

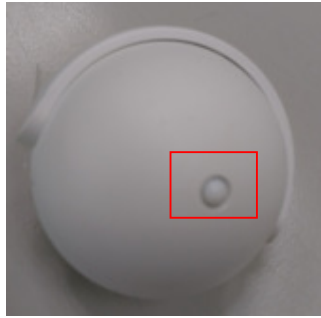


Remark:

a. PST02/PAT02/PMS series: Press tamper key three times within 1.5 seconds to enter the inclusion mode.



b. PSP series: Press the tamper key three times within 1.5 seconds to enter the inclusion mode.



c. PSR03 series: Hold down the central key, then press the top-right key three times within 1.5 seconds to enter the inclusion mode.

Note: PSR03-C is added by pressing panic key three times



d. PSR04/07 series: Pointing the arrowhead to area A (Shown in Fig. 1) and pressing the button three times within 1.5 seconds to enter inclusion mode. The red LED will light up for 1 second if succeed.

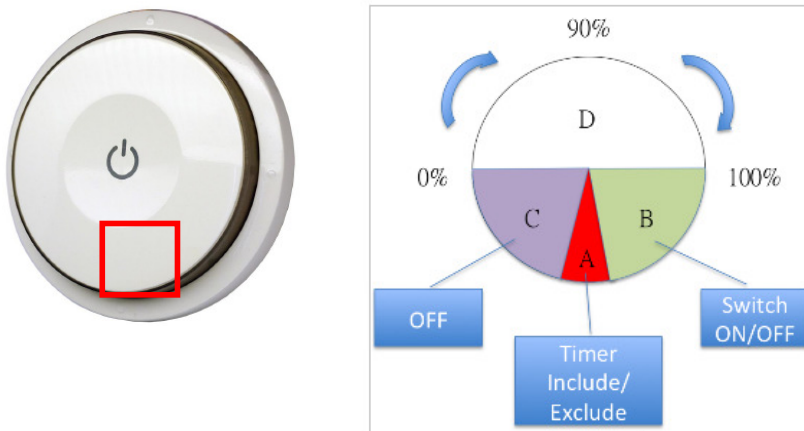


Figure 1

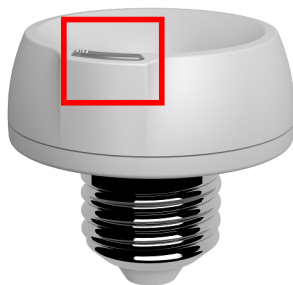
e. PSG01 smoke sensor: Press the test button three times within 1.5 seconds to enter inclusion mode.



f. Pressing On/Off button three times within 2 seconds to enter inclusion mode.

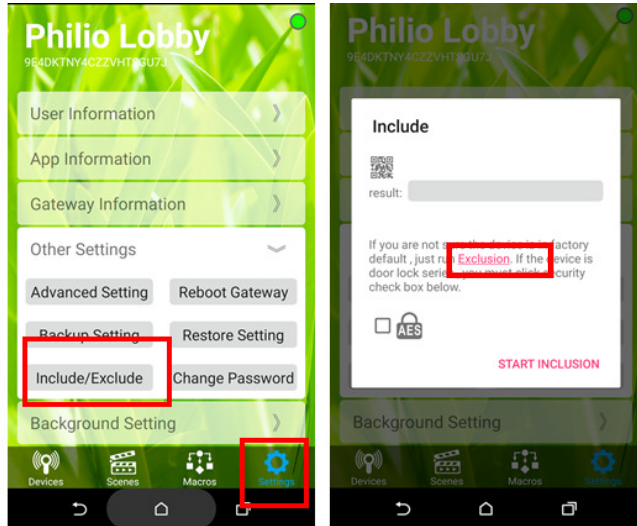


g. PAD02: Pressing Include button three times within 2 seconds to enter inclusion mode.



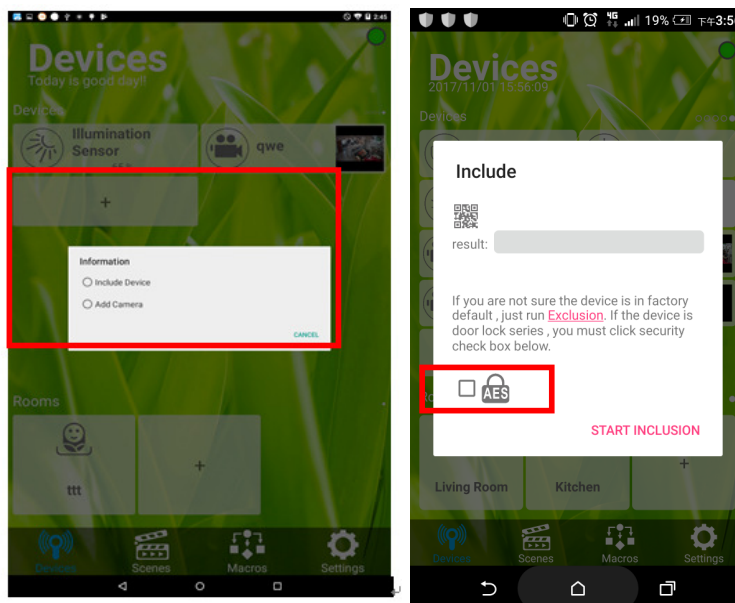
5. To exclude devices:

Method A: Go to "Settings" page → Other Settings → Include/Exclude, press the "START EXCLUSION" --> wait for gateway LED flashing (App start countdown), then press the button (as remark above) on the sensor devices (same button and behavior as inclusion).



Method B:

- In "Device" page → press the "+"
- Select "Include Device" → press "Exclusion" (the gateway LED will be flashing_ as confirmation to proceed in exclusion mode)
- To press the exclude button (same button & method as inclusion) on each sensor devices

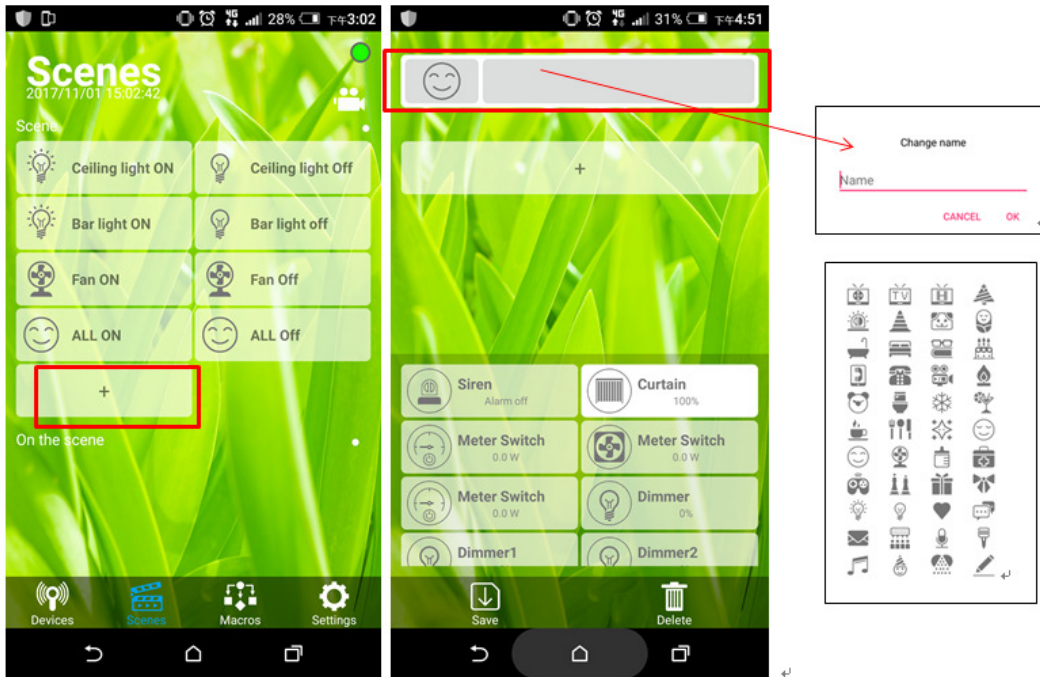


Noted:

- a. Flash 2 times in 1 second as confirmation to exclude the device
- b. Flash 1 time in 1 second as confirmation to include the device

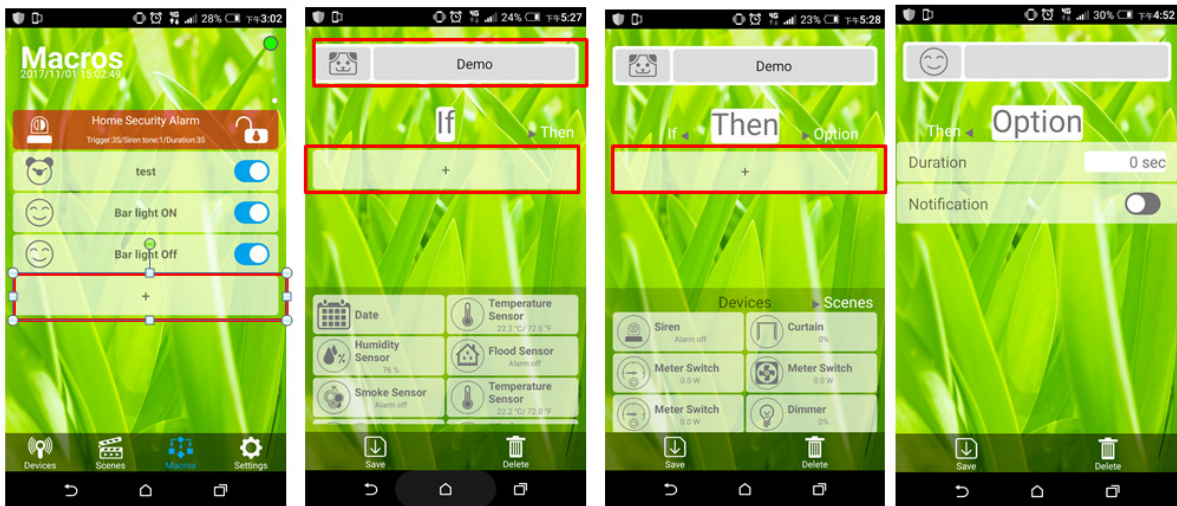
Scenes

Press the "+" button to add the new Scenes, you may change the scenes icon/name as you wish and select devices you would like to add.



Macros

Press the "+" button to add the new Macros group, you may change the macros icon/name as you wish and set up the scenario with If and Then or Option criteria.



Settings

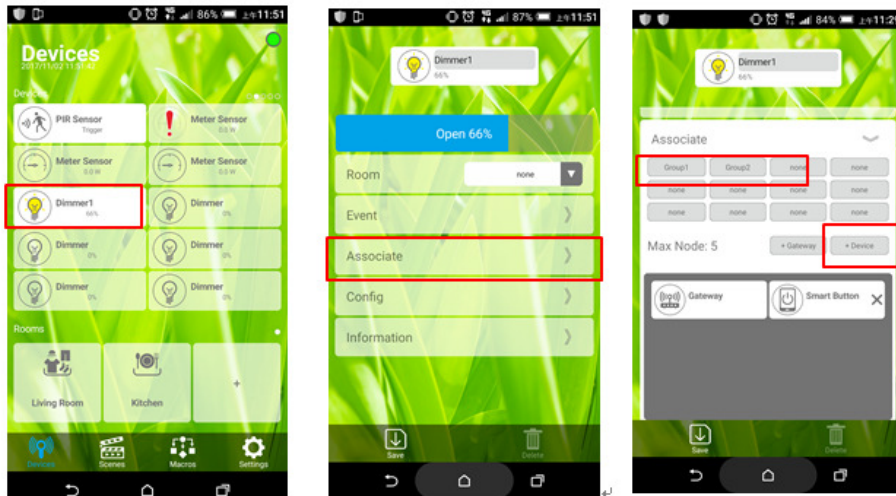
In setting page you could retrieve App and the gateway detailed information by clicking into each option. If you would like to receive the E-mail notification, please fill in your E-mail address/password in columns shown below.

The App background is also adjustable, you may select different background from default or take new photo as background by ourselves.



Advanced Function/Setting

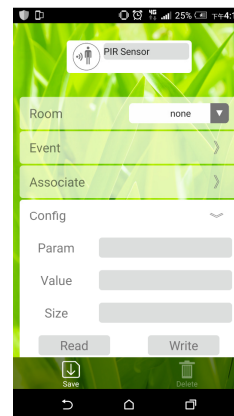
1. **Associate function:** The gateway is as console to communication/control sensor devices included. However, the individual sensors could be associated to each other and communicate directly without waiting further commands from Gateway to speed up the response time. For example, the dimmer switch could be controlled by gateway side or by smart button.



2. Re-configuration Function:

You may change the default setting according to your demand. For example, the sensitivity default setting is 80. You may lower the sensitivity to 50 by key in below new figures.

Param: 3
Value: 50
Size: 1



Notice:

- * All of the configuration, the data size is 1.
- * The configuration mark with star(*), means after the remove the setting still keep, don't reset to factory default. Unless the user execute the "RESET" procedure.
- * The reserve bit or not supported bit is allowed any value, but no effect.

Name	Default	Parameter	Value	A	B	C	Description
Basic Set Level	0xFF	2	All	V	V	V	Setting the BASIC command value to turn on the light. The 0xFF(-1) means turn on the light. For dimmer equipment 1 to 100 means the light strength. 0 means turn off the light. Caution: The value is unsigned byte, the range is from 0x00 ~ 0xFF.
PIR Sensitivity	80	3 (*)	0 ~ 99	V	V		PIR sensitivity settings.0 means disable the PIR motion.1 means the lowest sensitivity, 99 means the highest sensitivity. High sensitivity means can detected long distance, but if there is more noise signal in the environment, it will re-trigger too frequency.
Light Threshold	99	4	0 ~ 100	V	V	V	Setting the illumination threshold to turn on the light. When the event triggered and the environment illumination lower then the threshold, the device will turn on the light.0 means turn off illumination detected function. And never turn on the light.1 means darkest. 99 means brightest.100 means turn off illumination detected function. And always turn on the light. Notice: In none test mode, only the value in 1 to 99 will enable the illumination detected function and update the illumination value.
Operation Mode	0	5 (*)	All				Operation mode. Using bit to control. Caution: The value is unsigned byte, the range is from 0x00 ~ 0xFF.
	0						Bit0: Reserve.
	0			V	V	V	Bit1: 1 means test mode, 0 means normal mode. Notice: This bit only effect by the DIP Switch setting to "customer mode", otherwise it decides by DIP Switch setting to Test or Normal Mode.
	0			V		V	Bit2: Disable the door/window function. (1:Disable, 0:Enable)
	0			V	V	V	Bit3: Setting the temperature scale. 0: Fahrenheit, 1:Celsius
	0			V	V	V	Bit4: Disable the illumination report after event triggered. (1:Disable, 0:Enable)
	0			V	V	V	Bit5: Disable the temperature report after event triggered. (1:Disable, 0:Enable)
	0						Bit6: Reserve.
	0			V	V	V	Bit7: Disable the back key release into test mode. (1:Disable, 0:Enable)
	Multi-Sensor Function Switch	4	6 (*)	All			
0				V		V	Bit0: Disable magnetic integrate illumination to turn ON the lighting nodes in the association group 2. (1:Disable, 0:Enable)
0				V	V		Bit1: Disable PIR integrate Illumination to turn ON the lighting nodes in the association group 2. (1:Disable, 0:Enable)
1				V			Bit2: Disable magnetic integrate PIR to turn ON the lighting nodes in the association group 2. (1:Disable, 0:Enable) (Default is Disable)

	0					<p>Bit3: When Bit2 is 0 (Enable), Are the device and the lighting in the same room?</p> <p>0: In the same room(Default),</p> <p>1: In the different room.</p> <p>Notice: If this bit is 1, it is recommended also set the Bit1 to 1, cause the PIR triggered, doesn't mean the people in that room.</p>
	0			V	V	<p>Bit4: Disable delay 5 seconds to turn off the light, when door/window closed. (1:Disable, 0:Enable)</p>
	0			V	V	<p>Bit5: Disable auto turn off the light, after door/window opened to turn on the light. (1:Disable, 0:Enable)</p> <p>Notice: If bit2 is zero, this setting is useless.</p> <p>Notice: If the configuration No.9 is zero, this setting is useless.</p>
	0					Bit6: Reserve
	0					Bit7: Reserve
Customer Function	4	7 (*)	All			<p>Customer function switch, using bit control.</p> <p>Caution: The value is unsigned byte, the range is from 0x00 ~ 0xFF.</p>
	0					Bit0: Reserve
	0			V	V	<p>Bit1: Enable sending motion OFF report. (0:Disable, 1:Enable)</p> <p>Note: Depends on the Bit4,</p> <p>0: Report Notification CC, Type: 0x07, Event: 0xFE</p> <p>1: Sensor Binary Report, Type: 0x0C, Value: 0x00</p>
	1			V	V	Bit2: Enable PIR super sensitivity mode. (0:Disable, 1:Enable)
	0			V	V	Bit3: Disable send out BASIC OFF after door closed. (1:Disable, 0:Enable)
	0			V	V	<p>Bit4: Notification Type,</p> <p>0: Using Notification Report.</p> <p>1: Using Sensor Binary Report</p>
	0			V	V	Bit5: Disable Multi CC in auto report. (1:Disable, 0:Enable)
	0			V	V	Bit6: Disable to report battery state when the device triggered. (1:Disable, 0:Enable)
	0					Bit7: Reserve
PIR Re-Detect Interval Time	3	8	1~127	V	V	<p>In the normal mode, after the PIR motion detected, setting the re-detect time. 8 seconds per tick, default tick is 3 (24 seconds).</p> <p>Setting the suitable value to prevent received the trigger signal too frequently. Also can save the battery energy.</p>

							Notice: If this value bigger than the configuration setting NO. 9. There is a period after the light turned off and the PIR not start detecting.
Turn Off Light Time	4	9	0~127	V	V	V	After turn on the lighting, setting the delay time to turn off the lighting when the PIR motion is not detected. 8 seconds per tick, default tick is 4 (32 seconds). 0 means never send turn off light command.
Auto Report Battery Time	12	10	0~127	V		V	The interval time for auto report the door/window state. 0 means turn off auto report
Auto Report Door/Window State Time	12	11	0 ~ 127	V		V	The interval time for auto report the door/window state. 0 means turn off auto report door/window state. The default value is 12. The tick time can setting by the configuration No.20.
Auto Report Illumination Time	12	12	0 ~ 127	V	V	V	The interval time for auto report the illumination. 0 means turn off auto report illumination. The default value is 12. The tick time can setting by the configuration No.20.
Auto Report Temperature Time	12	13	0~127	V	V	V	The interval time for auto report the temperature. 0 means turn off auto report temperature. The default value is 12. The tick time can setting by the configuration No.20.
Auto Report Tick Interval	30	20	0 ~ 0xFF	V	V	V	The interval time for auto report each tick. Setting this configuration will effect configuration No.10, No.11, No.12 and No.13. The unit is 1 minute. Caution1: Setting to 0 means turn off all auto report function. Caution2: The value is unsigned byte, the range is from 0x00 ~ 0xFF.
Temperature Differential Report	1	21	0 ~ 0x7F	V	V	V	The temperature differential to report. 0 means turn off this function. The unit is Fahrenheit. Enable this function the device will detect every minutes. And when the temperature is over 140 degree Fahrenheit, it will continue report. <i>Enable this functionality will cause some issue please see the detail in the "Temperature Report" section.</i>
Illumination Differential Report	0	22	0 ~ 0x63	V	V	V	The illumination differential to report. 0 means turn off this function. The unit is percentage. Enable this function the device will detect every minutes. <i>Enable this functionality will cause some issue please see the detail in the "Illumination Report" section.</i>

Z-Wave Frequency:

- PST02-1: 868.40 MHz, 869.85 MHz(EU),
- PST02-2: 908.40 MHz, 916.00 MHz(US),
- PST02-3: 922~927 MHz(JP/TW),
- PST02-4: 921.40 MHz, 919.80 MHz(ANZ),
- PST02-5: 869.00 MHz(RU),
- PST02-6: 865.20 MHz(IN),
- PST02-IL:916.00 MHz(IL),
- PST02-8: 868.10 MHz(MY),
- PST02-9: 868.40 MHz, 869.85 MHz(CN),

Range: Minimum 40 meters indoor, 100 meters outdoor line of sight.

Operating Temperature: -10°C ~ 40°C

For indoor use only.

RF Maximum Power: +5dBm

Specifications subject to change without notice due to continuing product improvement.



R 201-160165

FCC ID: RHPST02

Disposal

	This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.
--	--

Company of License Holder : Philio Technology Corporation

Address of License Holder : 8F., No.653-2, Zhongzheng Rd., Xinzhuang Dist., New Taipei City 24257, Taiwan(R.O.C)

FCC Interference Statement

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 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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Warning

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.