TCC Home Automation Instruction

2016.10 V1

Content

1. Control Terminal

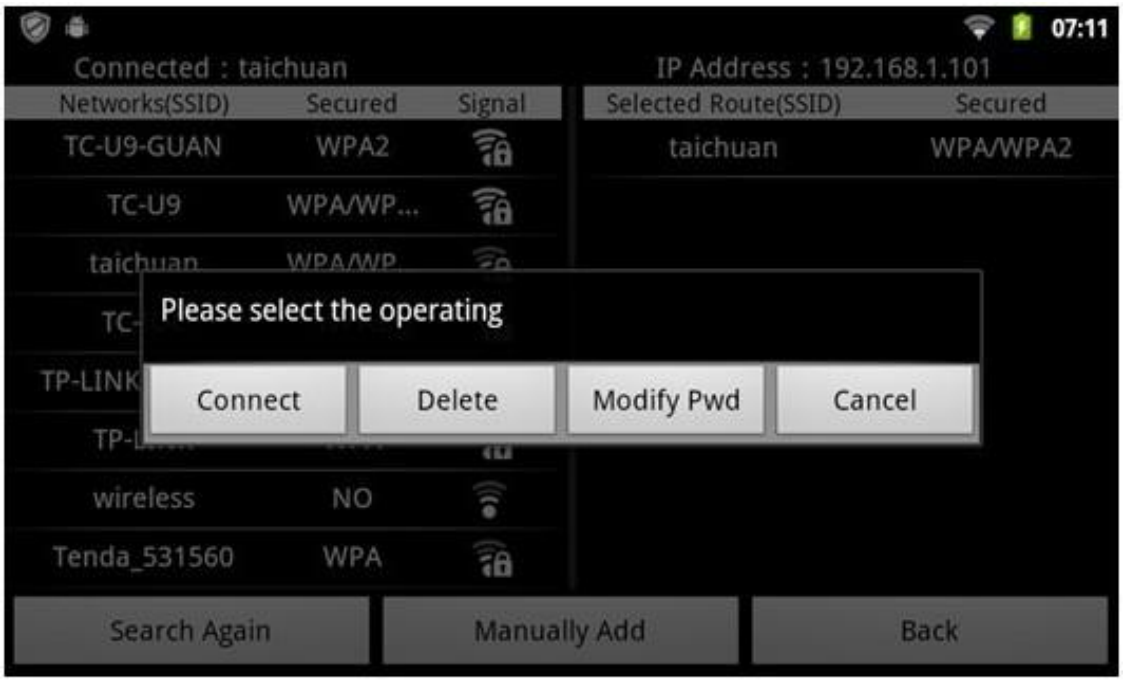
TC-U9ZK-C

TC-U9ZK-Q1

TC-U9ZK-W1/W2

1.1 Network Connection

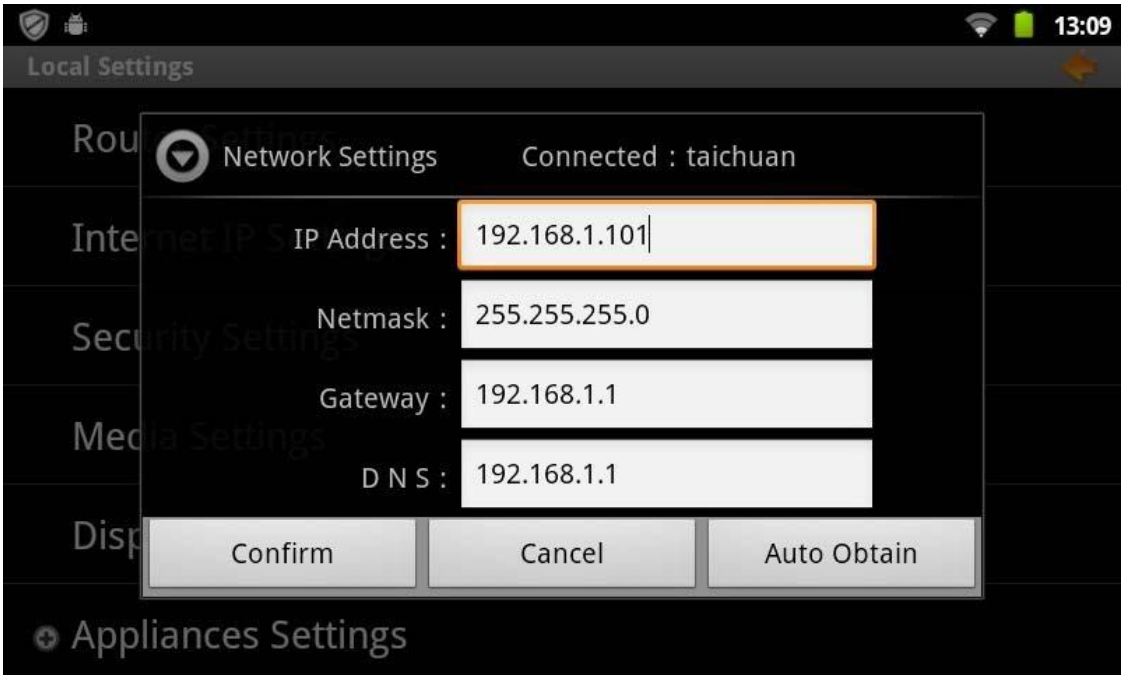
a. Wireless connect by Wifi



Setting -> Router Settings, Selected Route（SSID）and connect the Route

Automatically obtain an IP address; connect successfully, gain a IP address, Connect to the route successfully

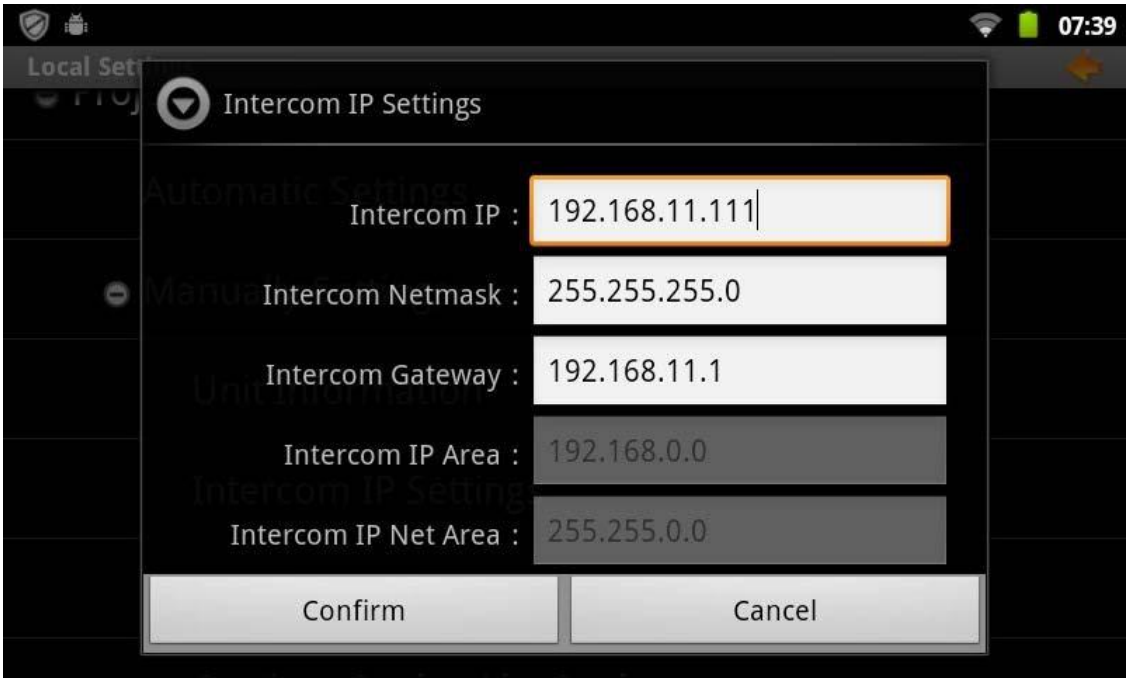
Or Setting -> Internet IP Setting, Manually enter an IP address



b. Wired connect by RJ45 port

Insert the network cable to the indoor monitor, and setting the DHCP or Manually setting it's IP address.

1.2 Setting U9 Intercom IP Address

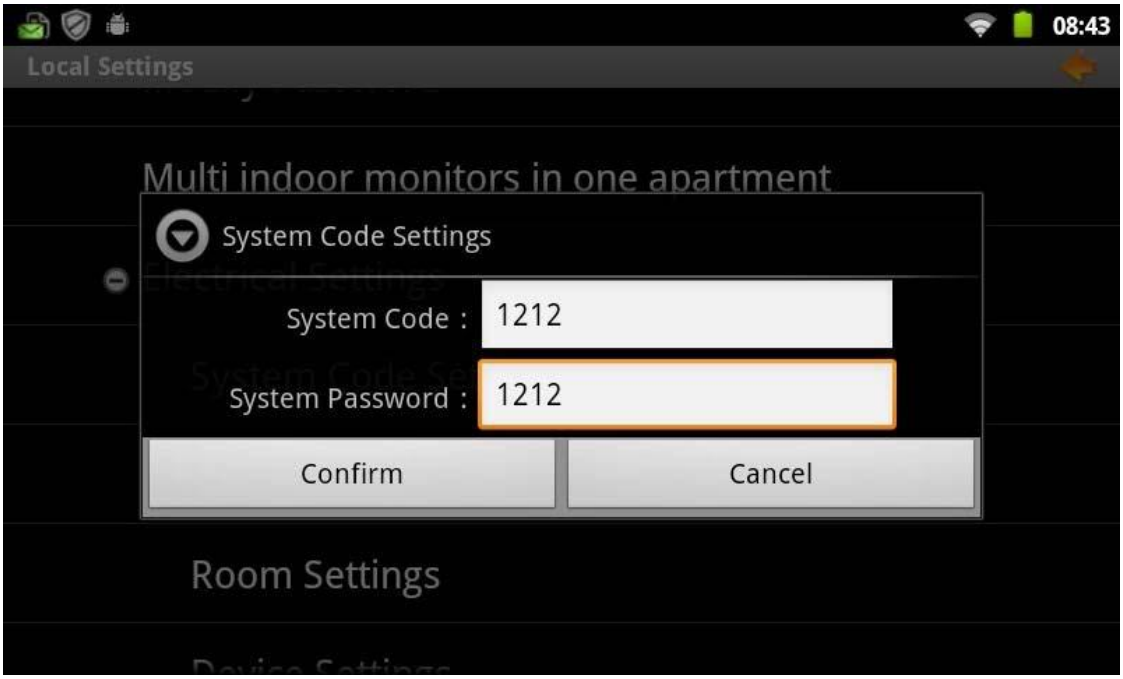


Setting -> Project Settings (Default Password: 123456) -> Manually Settings -> Intercom IP Settings -> Configure Intercom IP, Intercom IP and Route IP need setting in same address field.

1.3 Setting the System Code

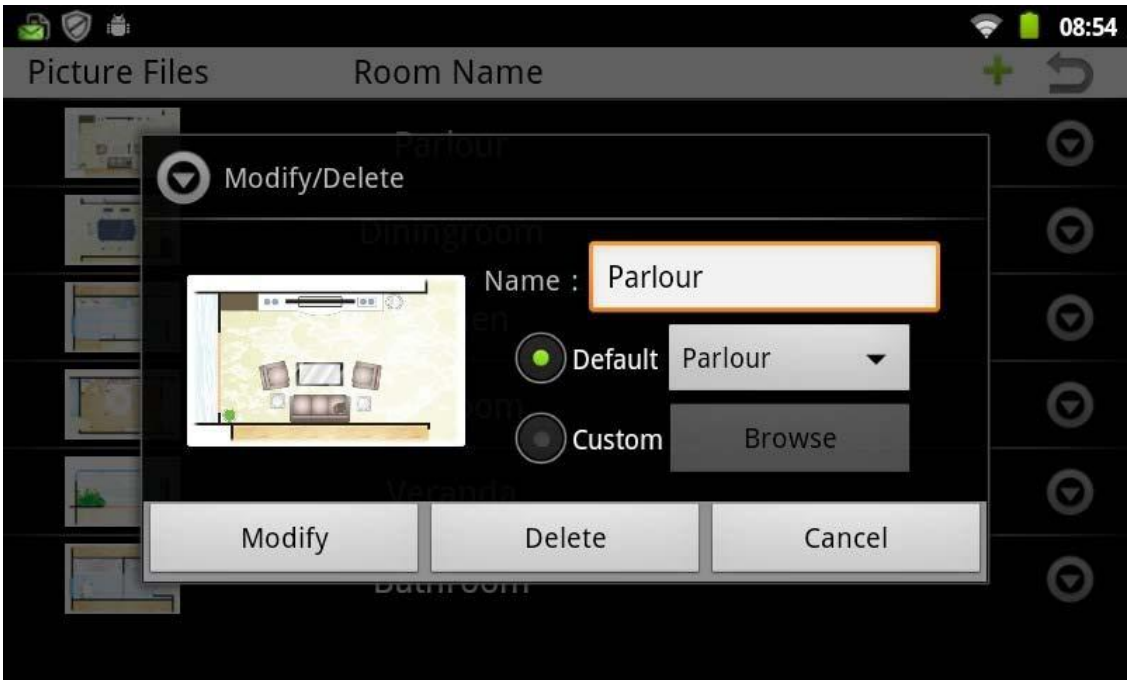
System Code (4 digits) + System Password (4 digits), In each of standalone home automation system, there are control terminal and functional module, they are all need a unified system code to identifying. Each standalone system has it unique system code to distinguish with other system.

Each of home automation functional module, have a unique unit code, to distinguish with other module



Setting -> Project Settings (Default Password: 123456) -> Electrical Settings -> System Code Setting -> setting “System Code” and “System Password”

1.4 Room Setting



Setting -> Project Settings (Default Password: 123456) -> Electrical Settings -> Room Settings

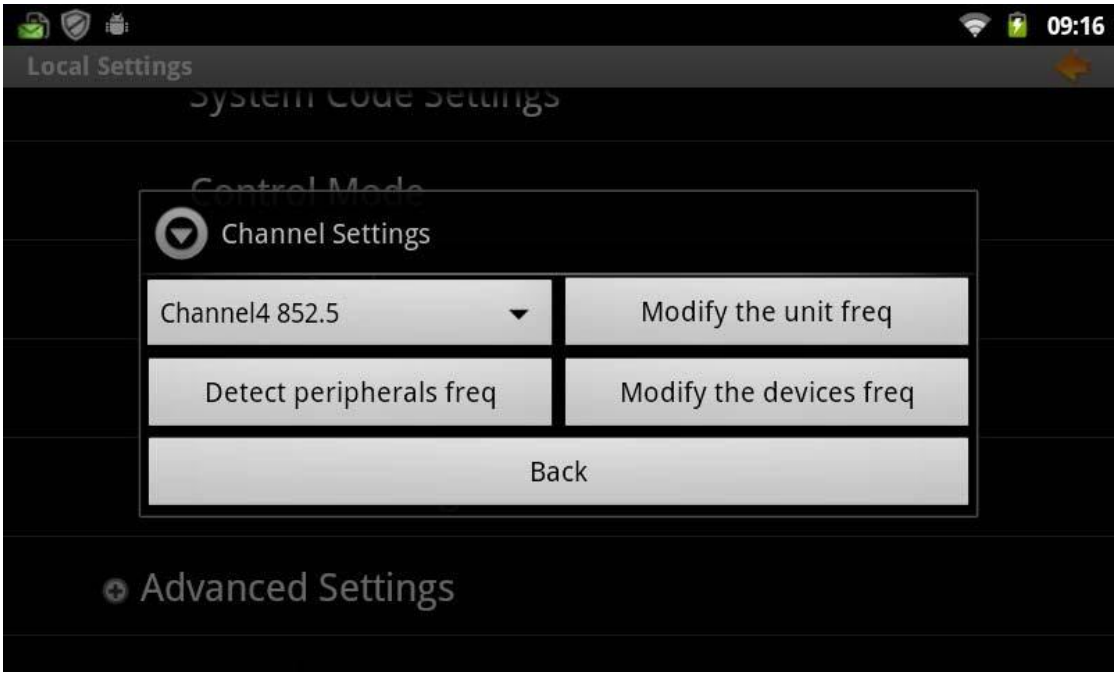
Touch the room, could change the room name and room layout

The layout could use user's own room picture, save in SD card and copy from "Custom" - "browse" to change the layout drawing.

Touch "+ " Button, to add the room, then could name the room and change the layout.

1.5 RF Channel Setting

Main control Terminal (U9 Terminal) through RF 868MHz communication channel, to built communication with peripherals modules, In the 868MHz, there are 10 Channels built in; The modules of the terminal need setting in to same channel with the main control terminal to realize communication.

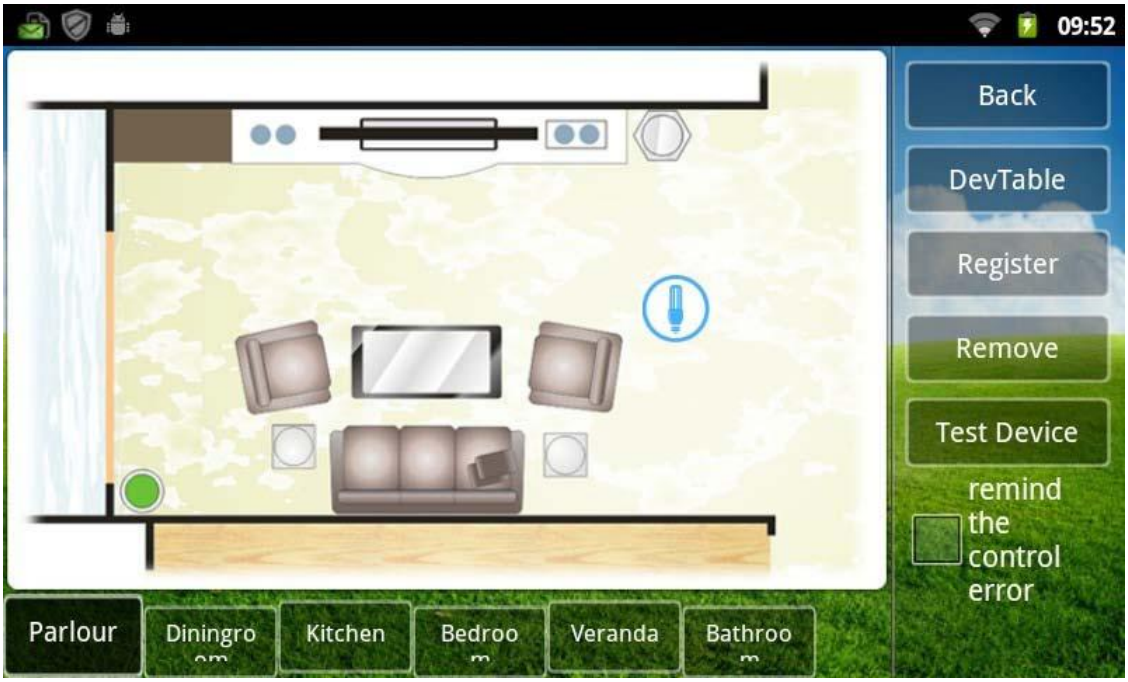


Setting -> Project Settings (Default Password: 123456) -> Electrical Settings -> Channel Settings

-> Choose a Channel（through test, Channel3 855.2 is much more stable, so here we use Channel3）
-> Touch ”Modify the devices freq.” to setting local Channel;
-> Touch “Modify the unit freq.” to setting the module RF channel in the system, and all the unit which are with same “System code” with the terminal;
-> Make the module enter registering status, touch “Detect peripherals freq.” could detect the module’s Channel, System Code and Unit code.

Note: If the detected module’s “System Code” and “channel” is different with local system code (Control terminal), User could temporary revised the local system code make it same with module System Code, change the module channel same with local channel（U9 Terminal）After then, revise the local system code back to original System Code, registering the local System Code to the module, then could establish communication successfully.

1.6 Device Setting



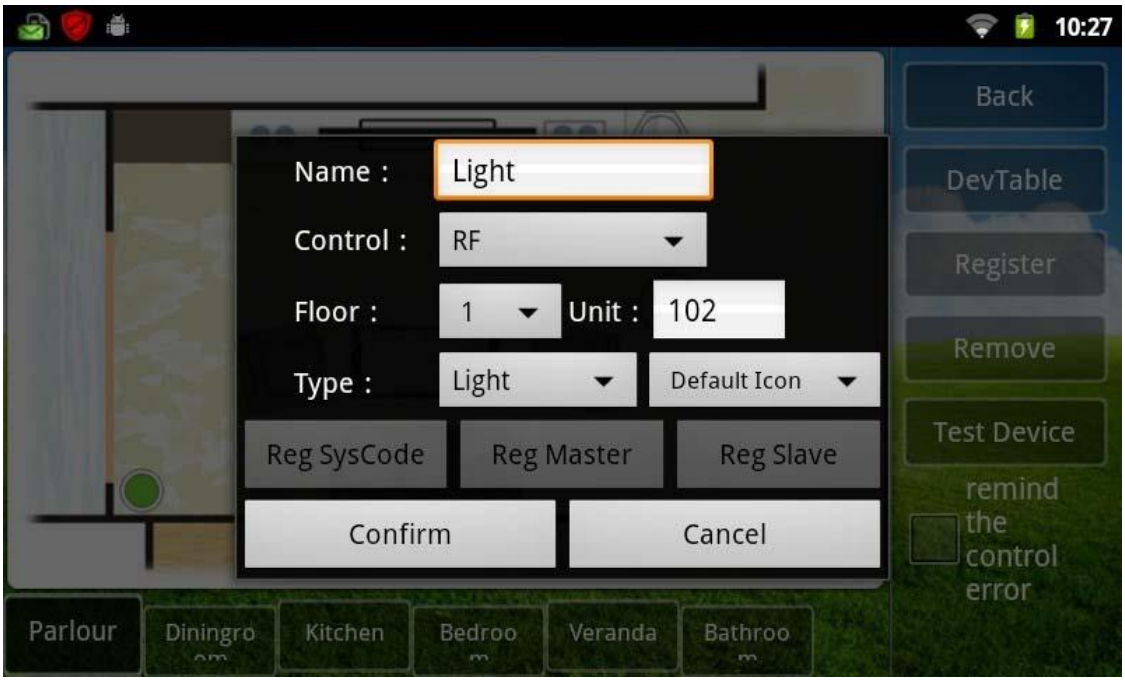
Setting -> Project Settings (Default Password: 123456) -> Electrical Settings -> Device Settings

Rooms: Choose a room, Room name could be set in: Setting -> Project Settings (Default Password: 123456) -> Electrical Settings -> Room Settings

-> Layout Design: Could add system module device icons;

-> Settings: To register the module and other operation;

1.6.1 Add a device



Touch empty place on the layout drawing, to add a device module;

-> Name: Device Name (in a system, the device name is unique, Can't be repeated)

-> Control: Normally choose "RF" if there is necessary to add a Net box, please choose "Net Box"

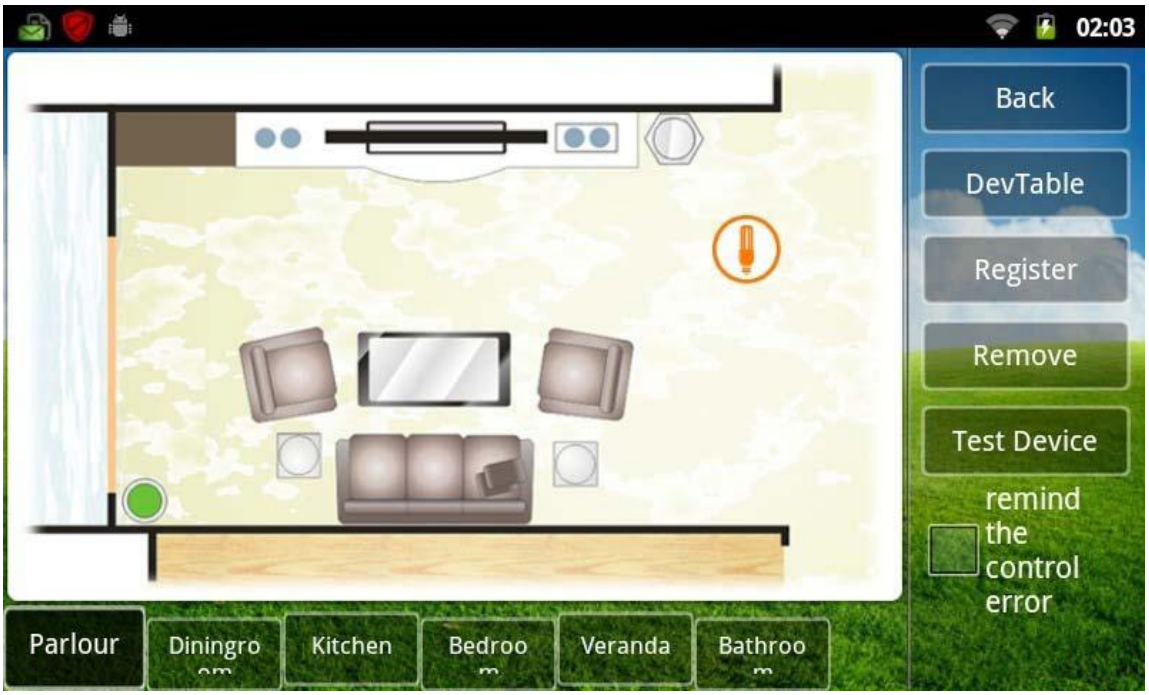
-> Floor: floor setting

-> Unit: Random generation

-> Type: Must choose related device type, otherwise, it could not control

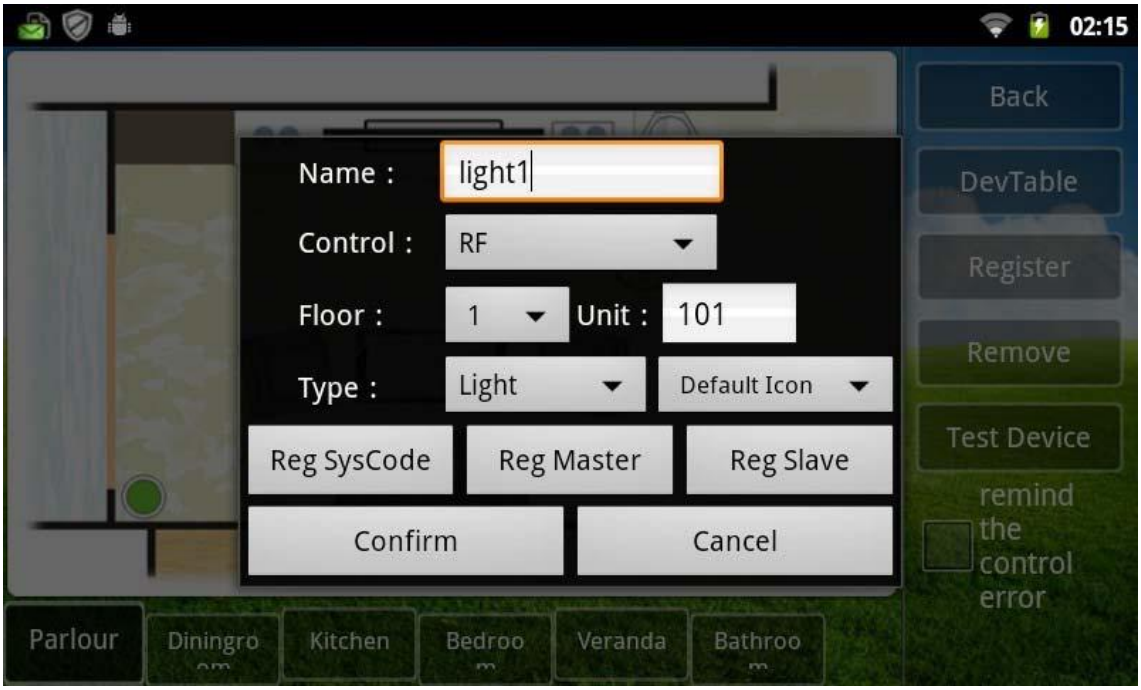
-> Icon: To choose related device icon

-> Touch "Confirm" to finish.



1.6.2 Register the module

After add the module device, user need register the module device then could control these device through the terminal.



-> Make the related module enter registering status

-> Touch “Reg SysCode” register the System Code into the Module ;

Note: If registering successful, the system would prompt “Register Success” if fail, please confirm if the related module in registering status, or through “RF Channel Setting” confirm if the module in same channel with the terminal. If not, please according the instruction of “RF channel setting” to revise the module to same channel with the terminal.

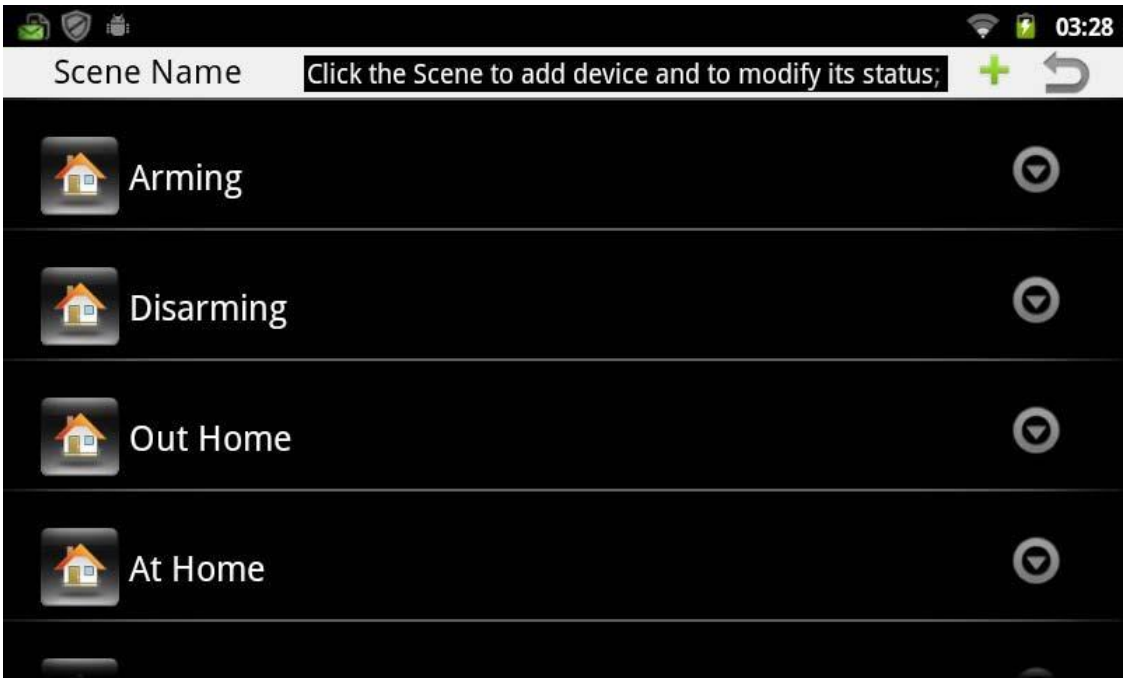
-> Make the related module enter registering status.，

-> Touch “Reg Master” register the Unit Number into the intelligent module;

-> Touch “Confirm” to finish.

1.7 Scenes Setting

Setting -> Appliances Settings -> Scenes Settings



Touch “+ ” button, to add new scene

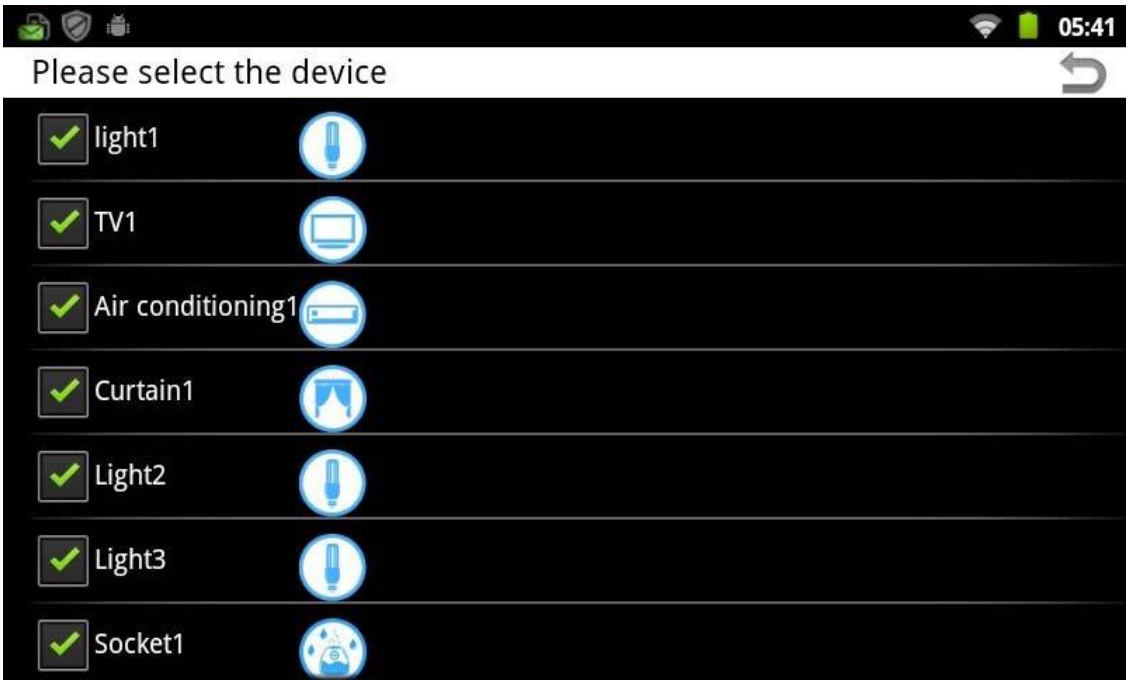
-> Click the Scene to add device and to modify the device status, Keep clicking the Scene to edit the Scene Name;

（note: Arming, Disarming, Out Home, At Home are defaulting Scenes, Can not be changed.）

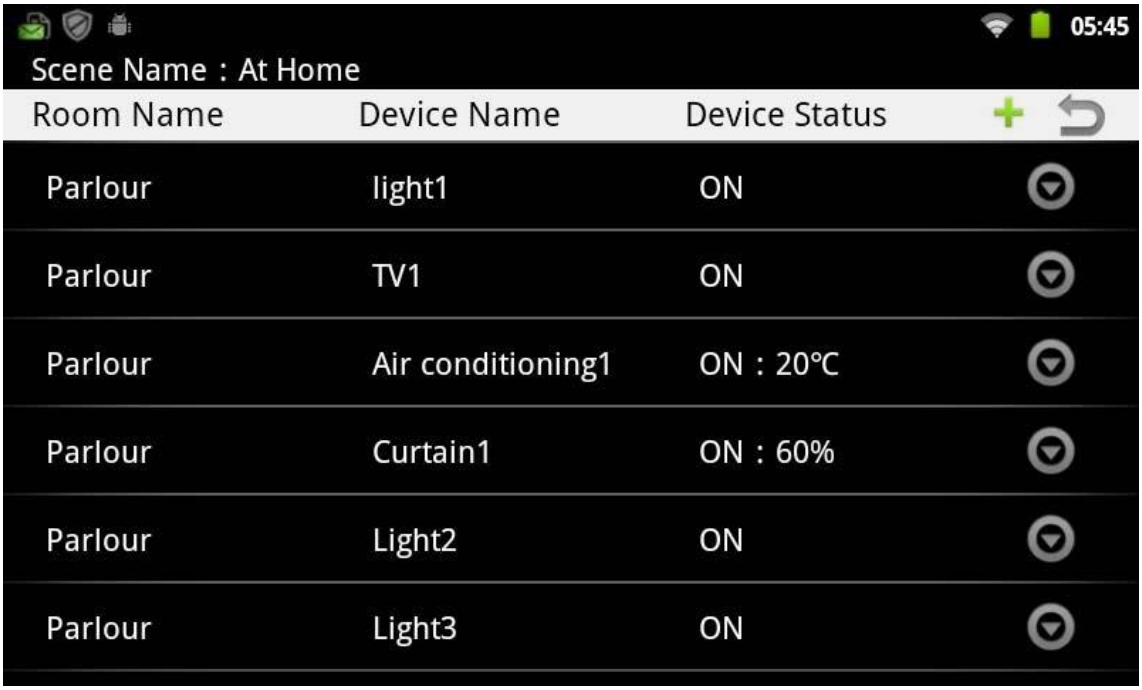
-> Touch “At Home” to setting the scenes

-> Touch “+” button, add “Scene” linkage device.

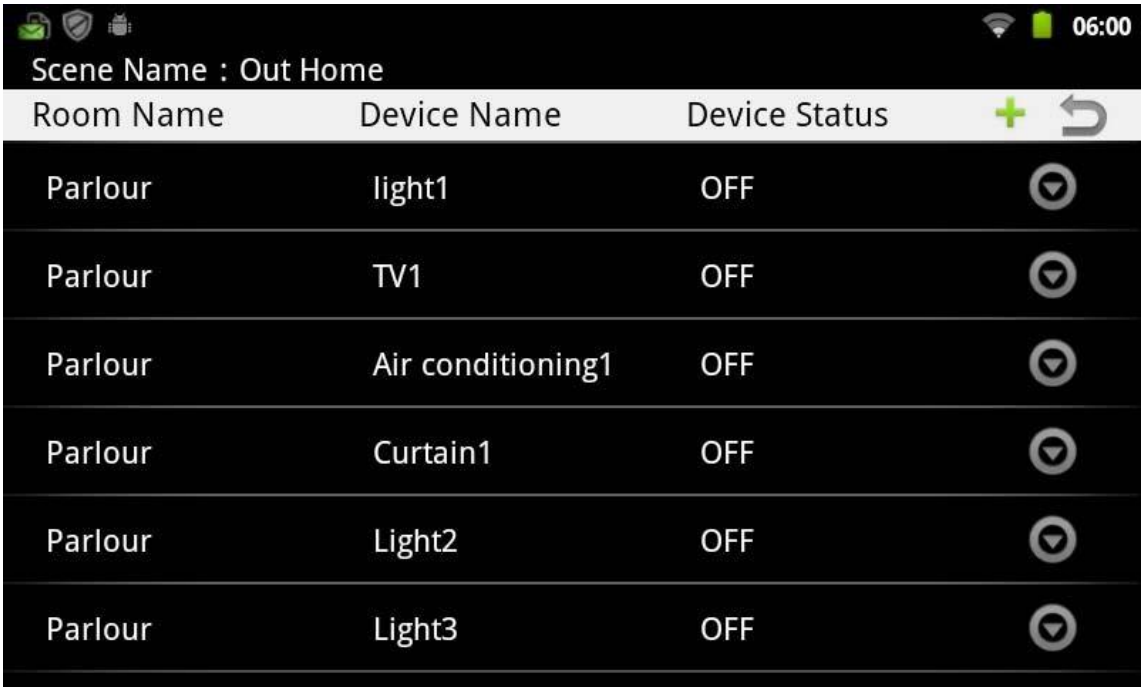
-> Choose a room, choose add device



Touch the device in the “Scene” list， to setting the device status when Scene start.



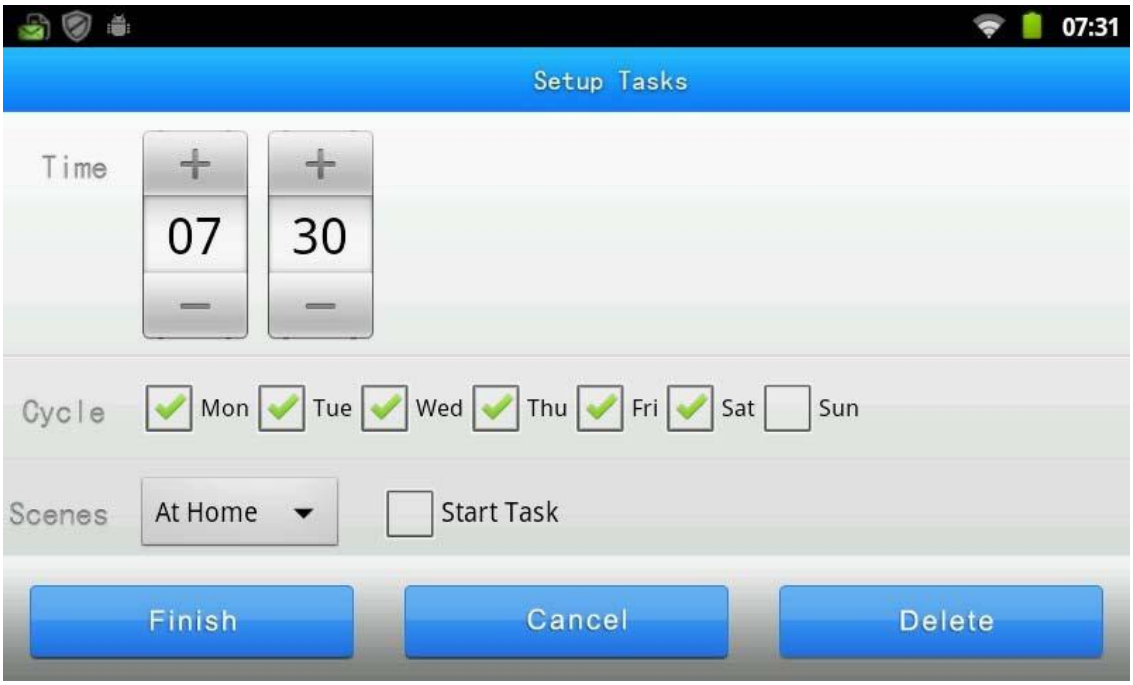
Setting ”Out Home” and other Scene in same way or add new Scene



1.8 Timing Scenes Setting

Smart Home -> Time Task

Touch “Add tasks” to add a TASK



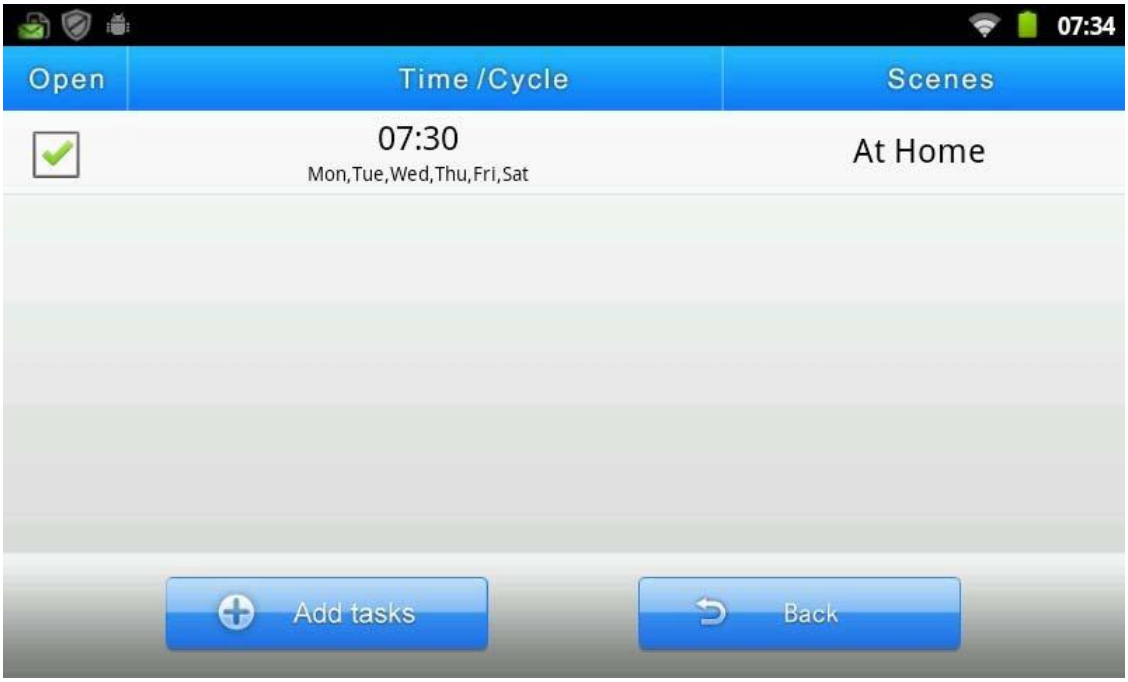
-> Time: setting the start time

-> Cycle: setting weekly cycle

-> Scenes: setting the start scene

-> Choose start Task

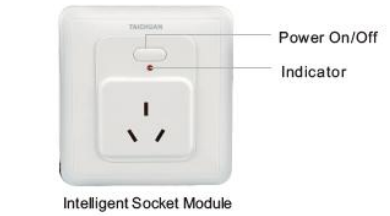
Note: Long press the Task, could delete the Task

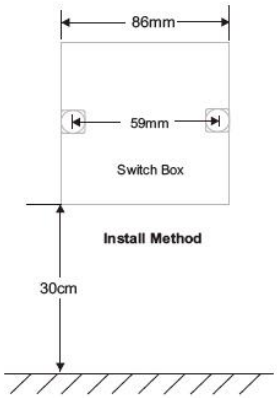


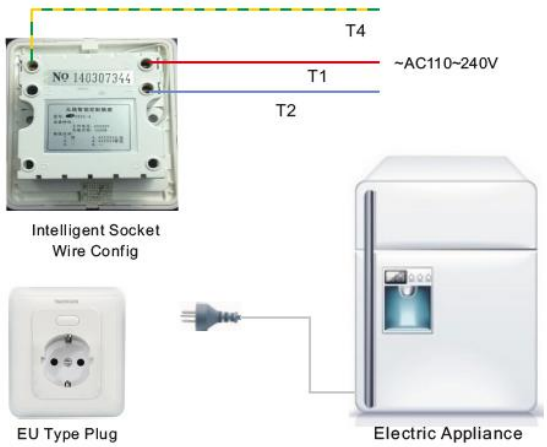
2. Function Module - Wireless Socket, Touch Switches

Tip: Touch the button till the indicator light to flash to enter the register status, and it can be searched by the control terminal

2.1 Intelligent Socket







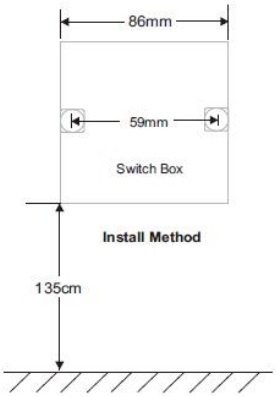
Specification:
Working Voltage: AC110V~240V
Load Power: 1500W
Install Method: 86 Size Switch Box

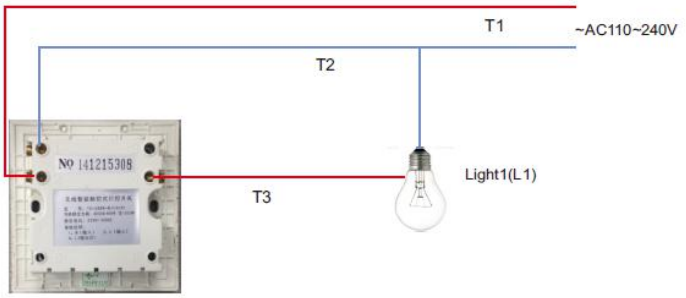
Remark:
1. The indicator On means power off, the indicator Off means power on
2. The loading power can not over it's max load power
3. All the wiring must obey the instruction above
4. Please do not install with power on

Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T4	GND (G)	BV2.5mm2

2.2 Touch lighting switch

Light Touch Switch (One Gang)





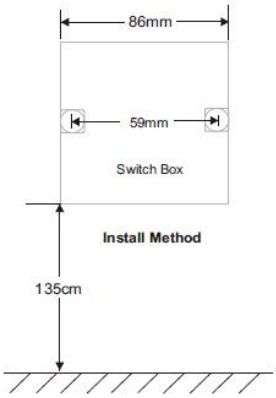
One Gang Light Switch
Wire Config

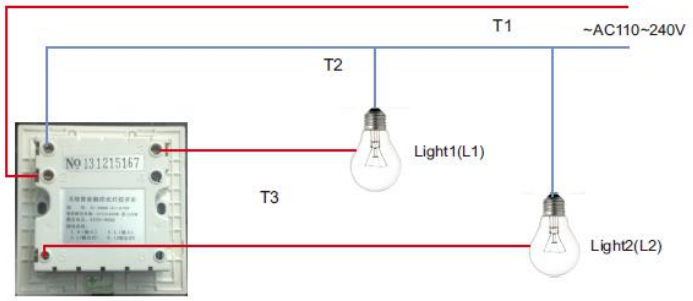
Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	To Light (L1、L2、L3)	BV2.5mm2

Specification:
Working Voltage: AC110V~240V
Load Power: Impedance load:1320W; Capacitive and inductive load:600W
Install Method: 86 Size Switch Box

Remark:
1. Power support mode of light control switch is null wire and live wire, each gang for energy saving lamp and fluorescent lamp can not over 200W; each gang for filament lamp and tungsten lamp can not over 450W
2. Can not nobbing when install touch panel, or it will less sensitive
3. The material of panel is stalinite, do not strike
4. All the wiring must obey the instruction above
5. Please do not install with power on

Light Touch Switch (Two Gang)





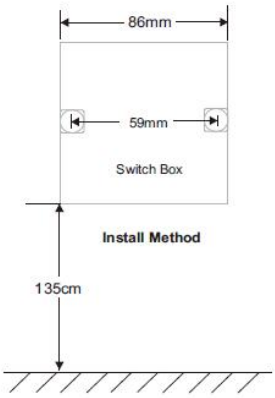
Two Gang Light Switch
Wire Config

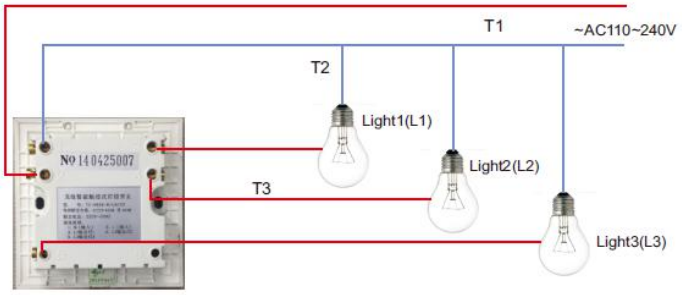
Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	To Light (L1、L2、L3)	BV2.5mm2

Specification:
Working Voltage: AC110V~240V
Load Power: Impedance load:1320W; Capacitive and inductive load:600W
Install Method: 86 Size Switch Box

Remark:
1. Power support mode of light control switch is null wire and live wire, each gang for energy saving lamp and fluorescent lamp can not over 200W; each gang for filament lamp and tungsten lamp can not over 450W
2. Can not nobbing when install touch panel, or it will less sensitive
3. The material of panel is stalinite, do not strike
4. All the wiring must obey the instruction above
5. Please do not install with power on

Light Touch Switch (Three Gang)





Three Gang Light Switch
Wire Config

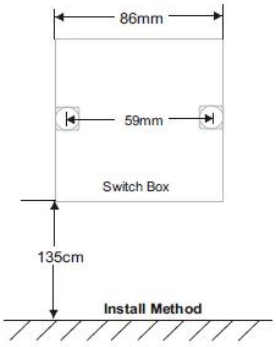
Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	To Light (L1、L2、L3)	BV2.5mm2

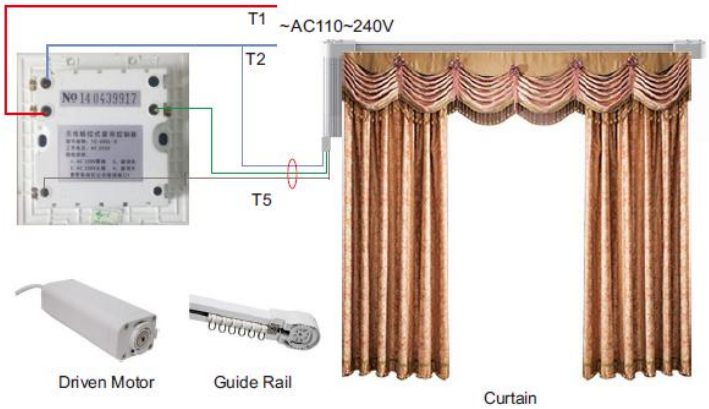
Specification:
Working Voltage: AC110V~240V
Load Power: Impedance load:1320W; Capacitive and inductive load:600W
Install Method: 86 Size Switch Box

Remark:
1. Power support mode of light control switch is null wire and live wire, each gang for energy saving lamp and fluorescent lamp can not over 200W; each gang for filament lamp and tungsten lamp can not over 450W
2. Can not nobbing when install touch panel, or it will less sensitive
3. The material of panel is stalinite, do not strike
4. All the wiring must obey the instruction above
5. Please do not install with power on

2.3 Intelligent Curtain controller

Curtain Control Switch





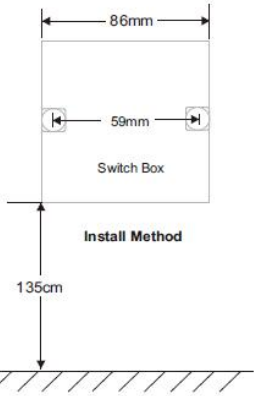
Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T5	Motor Control (3core)	RVV3*1.0mm2

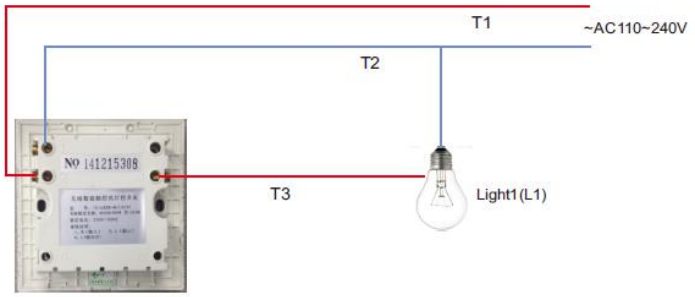
Specification:
Working Voltage: AC110V~240V
Load Power: 600W
Install Method: 86 Size Switch Box

Remark:
1. The curtain control model required the motor with AC input to match
2. After install, set the curtain controller match 0-100% of the route
3. Ensure the wiring to the motor correct corotation and reversed
4. Please do not install with power on

2.4 Intelligent Dimmer

Dimmer Touch Switch





Dimmer Touch Switch
Wire Config

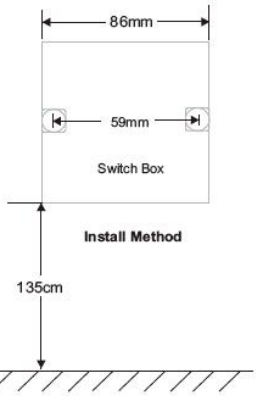
Specification:
Working Voltage: AC110V~240V
Load Power: 400W
Install Method: 86 Size Switch Box

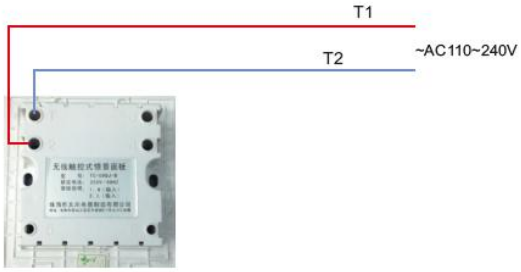
Remark:
1. Power support mode of dimmer touch switch is null wire and live wire, suitable for the light with voltage dimmer control, as filament lamp, tungsten lamp, each gang can not over 400W
2. Can not nobbing when install touch panel, or it will less sensitive
3. The material of panel is stalinite, do not strike
4. All the wiring must obey the instruction above
5. Please do not install with power on

Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	To Light (L1)	BV2.5mm2

2.5 Scenes control module

Scene Touch Switch





Scene Touch Switch
Wire Config

Specification:
Working Voltage: AC110V~240V
Install Method: 86 Size Switch Box

Remark:
1. Power support mode of Scene touch switch is null wire and live wire, use for the scene linkage control, available to program for each scene.
2. Support 4 group of scene control
3. Can not nobbing when install touch panel, or it will less sensitive
4. The material of panel is stalinite, do not strike
5. All the wiring must obey the instruction above
6. Please do not install with power on

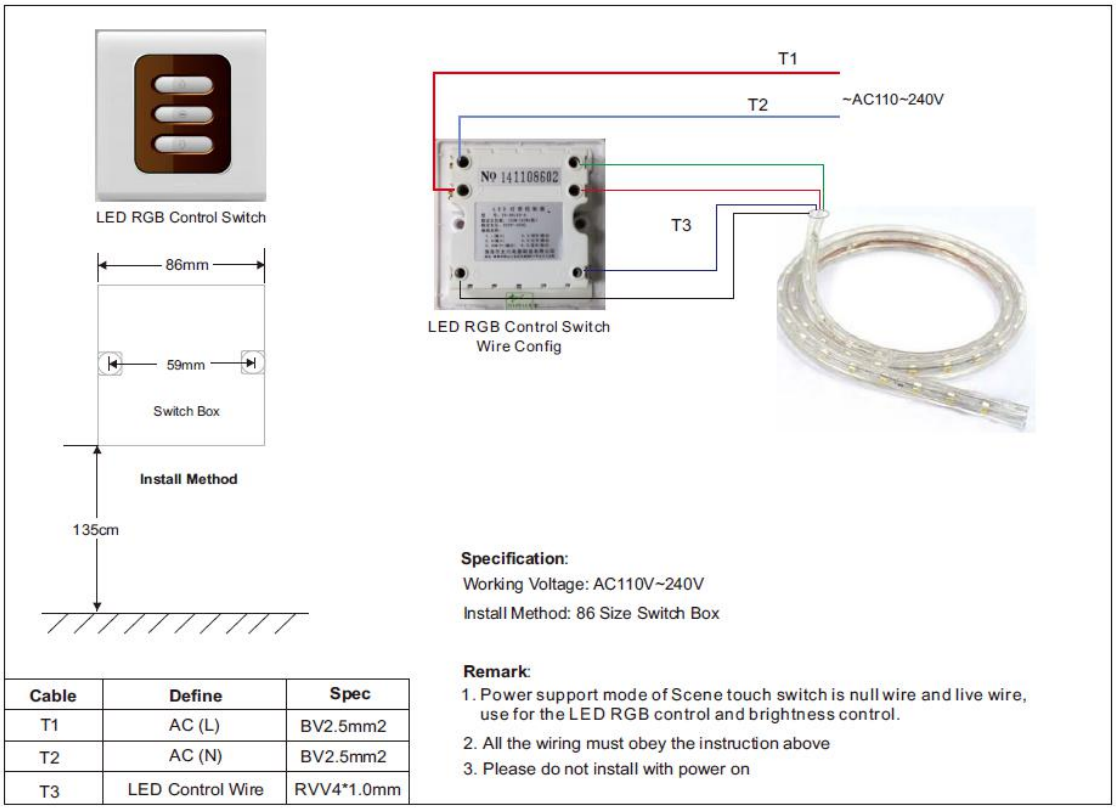
Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2

2.6 RF Network strength Extension (NetBox)

DC9V ~ 13V wide range power input

Only need to connect the power and RJ45 network, it can extend the control signal to far distance.

2.7 RGB LED Control Switch



Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	LED Control Wire	RVV4*1.0mm

Specification:

Working Voltage: AC110V~240V

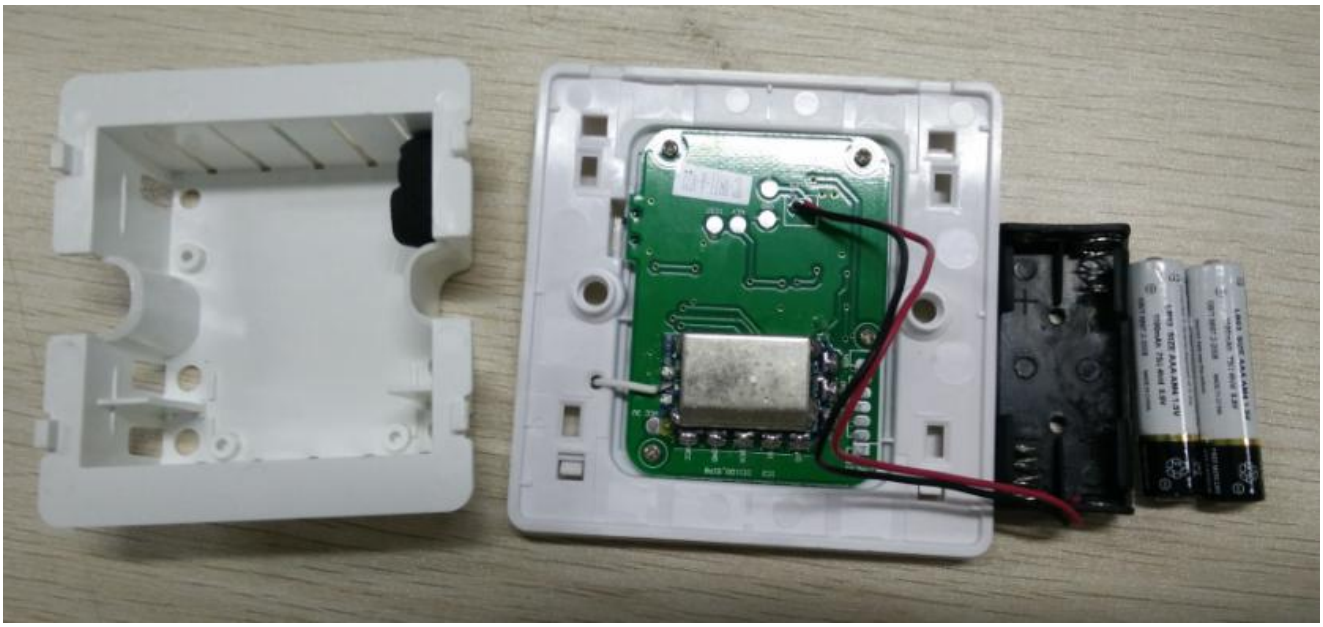
Install Method: 86 Size Switch Box

Remark:

1. Power support mode of Scene touch switch is null wire and live wire, use for the LED RGB control and brightness control.
2. All the wiring must obey the instruction above
3. Please do not install with power on

3. Home Security Alarm

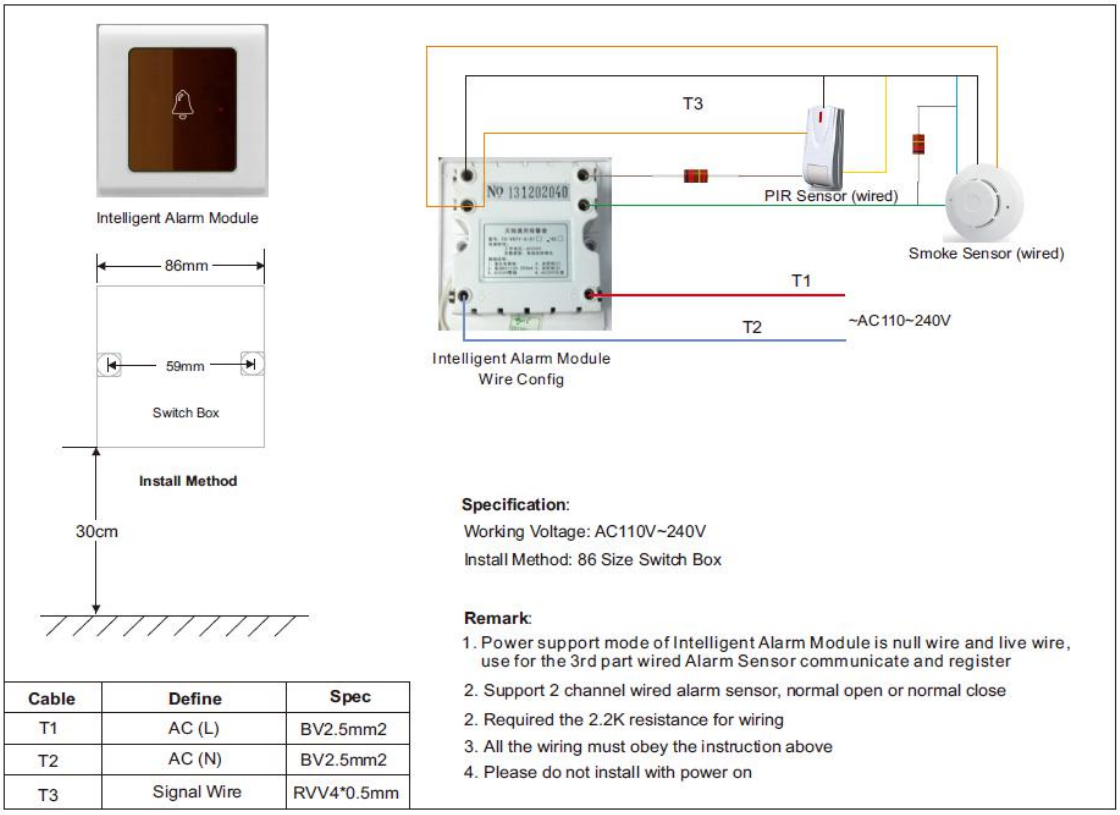
3.1 Wireless Emergency (SOS) button



SOS button with wall mounting type and Handle type.

-> long press the Button for 5sec to enter the register status

3.2 Wired to Wireless Alarm

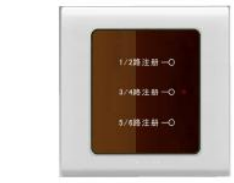


Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2
T3	Signal Wire	RVV4*0.5mm

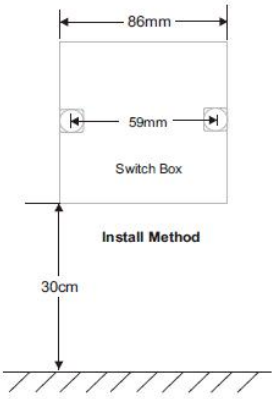
The intelligent Alarm Module support the wired Security Sensor wireless register to the indoor monitor

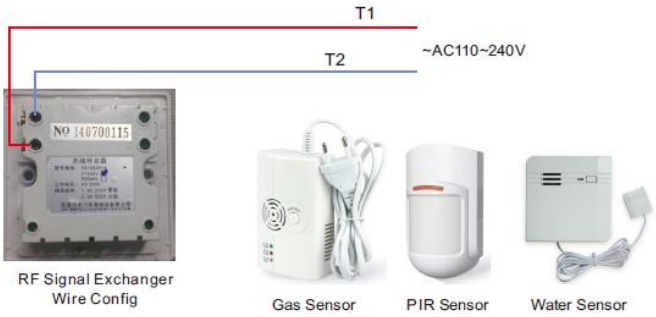
Up position is switch to 24H Force alarm mode
Middle position is switch to Register mode
Down position is switch to Normal alarm mode

3.3 Wireless RF Exchanger



RF Signal Exchanger





Cable	Define	Spec
T1	AC (L)	BV2.5mm2
T2	AC (N)	BV2.5mm2

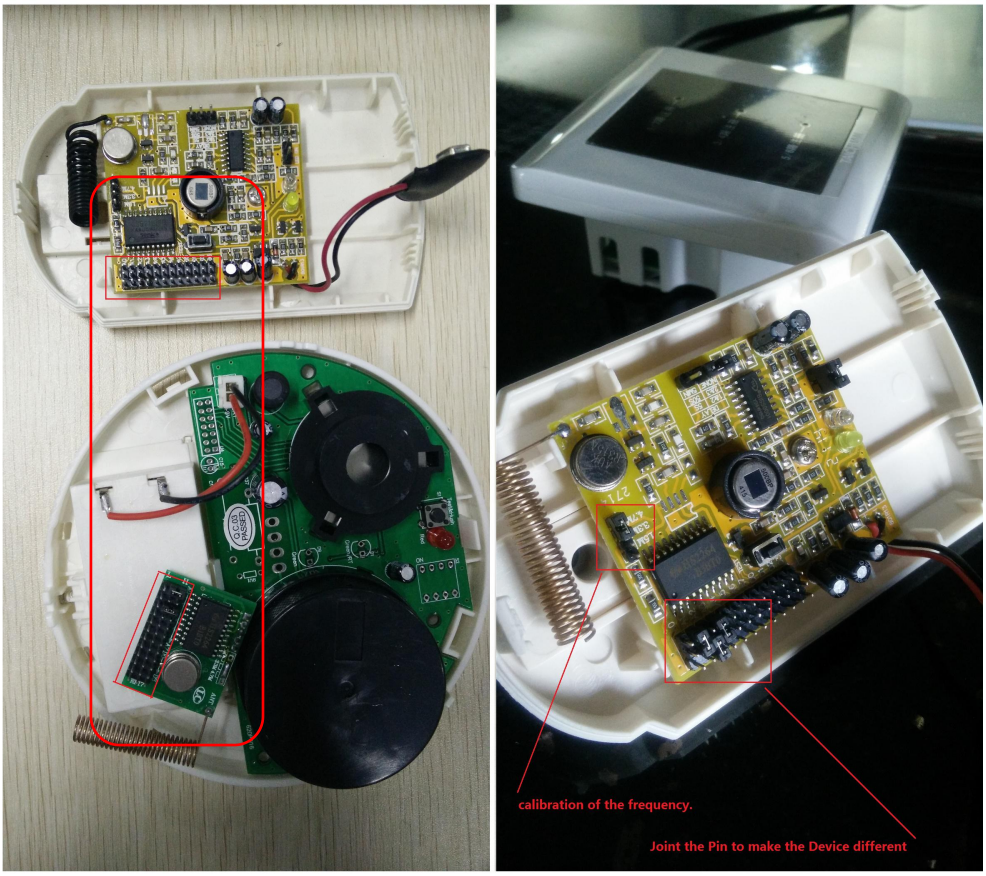
Specification:
Working Voltage: AC110V~240V
Install Method: 86 Size Switch Box

Remark:
1. Power support mode of RF Signal Exchanger is null wire and live wire, use for the 3rd part wireless Alarm Sensor communicate and register
2. Support 6 channel alarm sensor, 433MHz and 315MHz optional
3. All the wiring must obey the instruction above
4. Please do not install with power on

The RF exchanger support 315MHz or 433MHz security sensor,
Long press 5sec to clear the code.

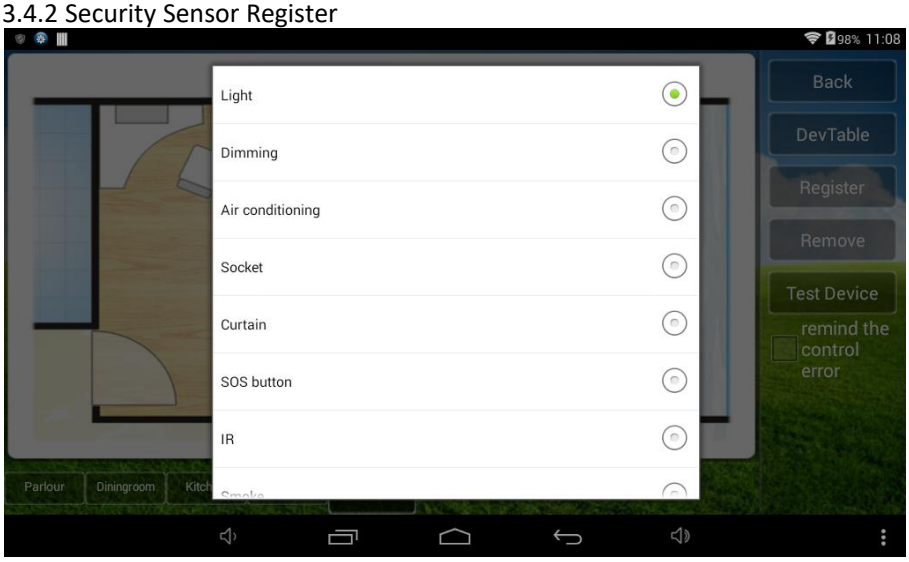
3.4 Security Sensors

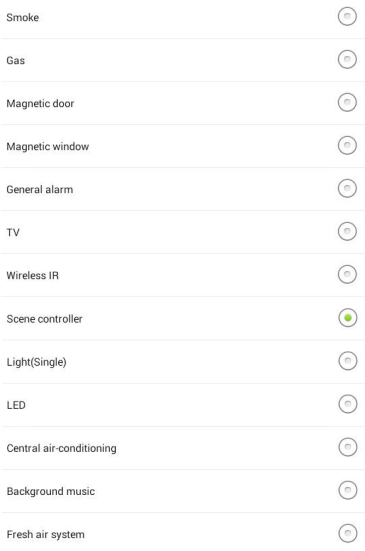
3.4.1 Device Code Setting



Setting the Device Code of different Security Sensor
Joint the Pin to make the device code different

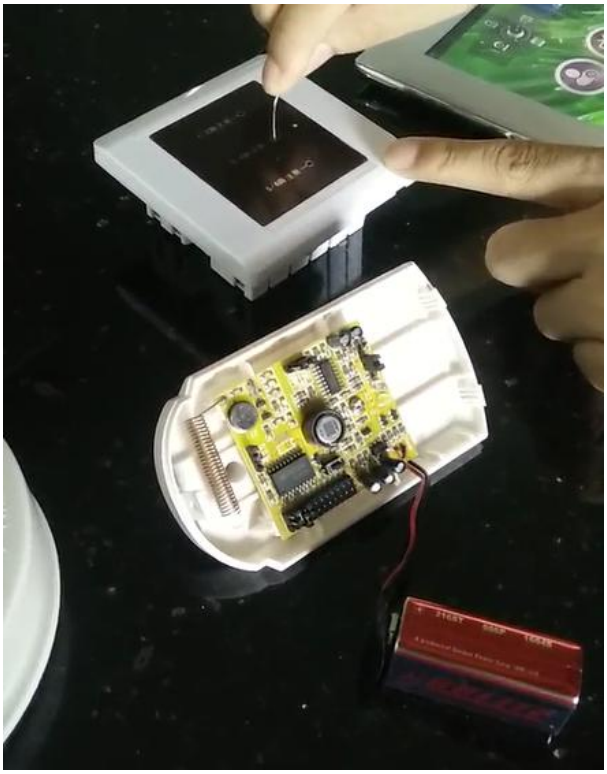
3.4.2 Security Sensor Register





Enter the Project Setting Menu, and choose the Electrical Setting > Device Setting for register.

3.4.3 RF Signal Exchanger



One set RF Signal Exchanger for 6 group of Security Sensor register, Support the Senor type 433MHz or 315MHz

3.4.4 Arming & Disarming Setting

Enter the Appliances Setting Menu, and choose the Scenes Setting to edit each registered security sensor for each Scene.

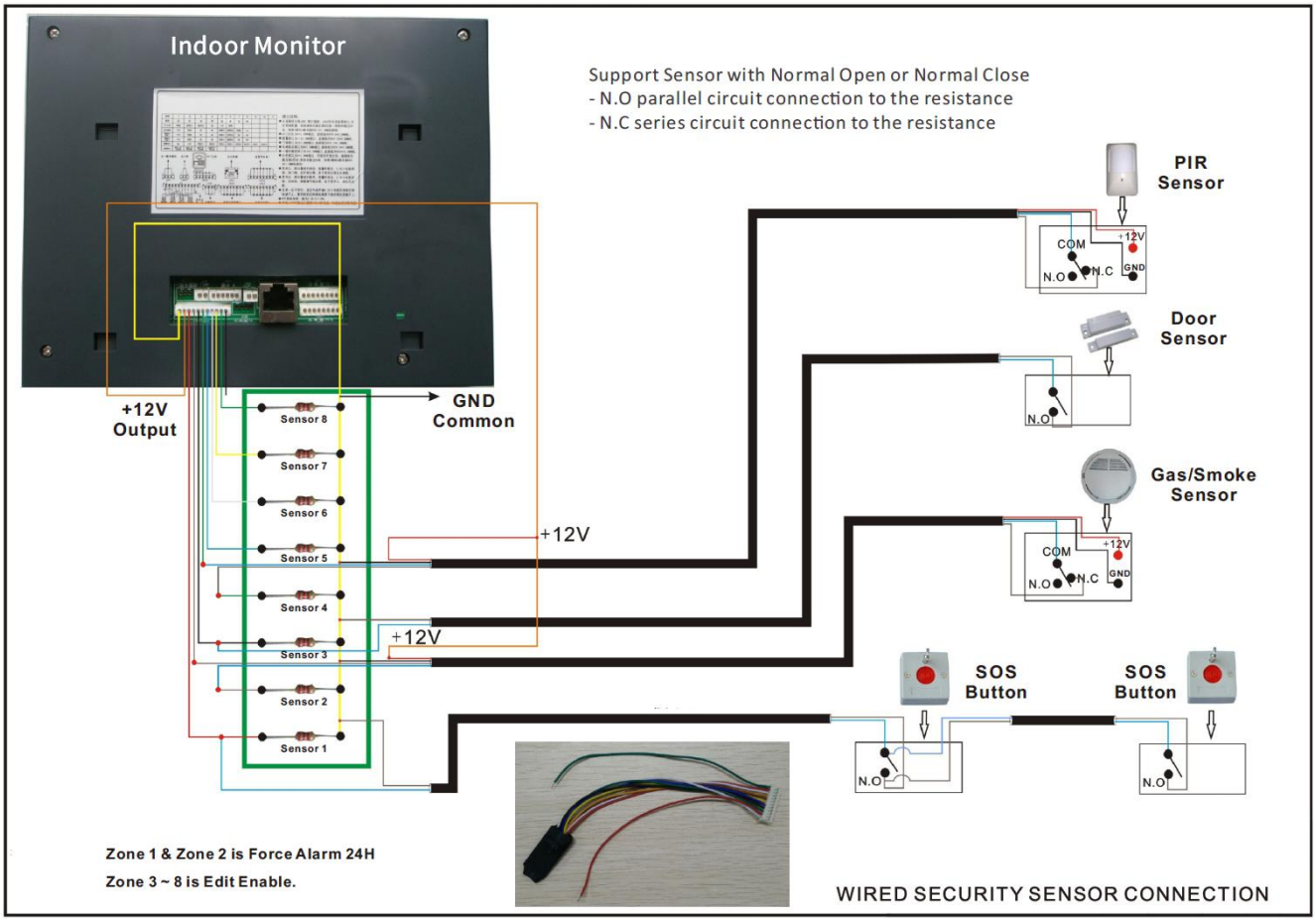
Add the required security sensor which already registered,
Enable or Disable for each Scene setting.

e.g.

enable all the security sensor ON under the OUTHOME scene, when switch to the Out home scene, if any sensor is triggered, it will alarm to the indoor monitor and management center.

The default disarming code is: 1234

3.5 Indoor Monitor (Control Terminal) Wired Alarm Configure

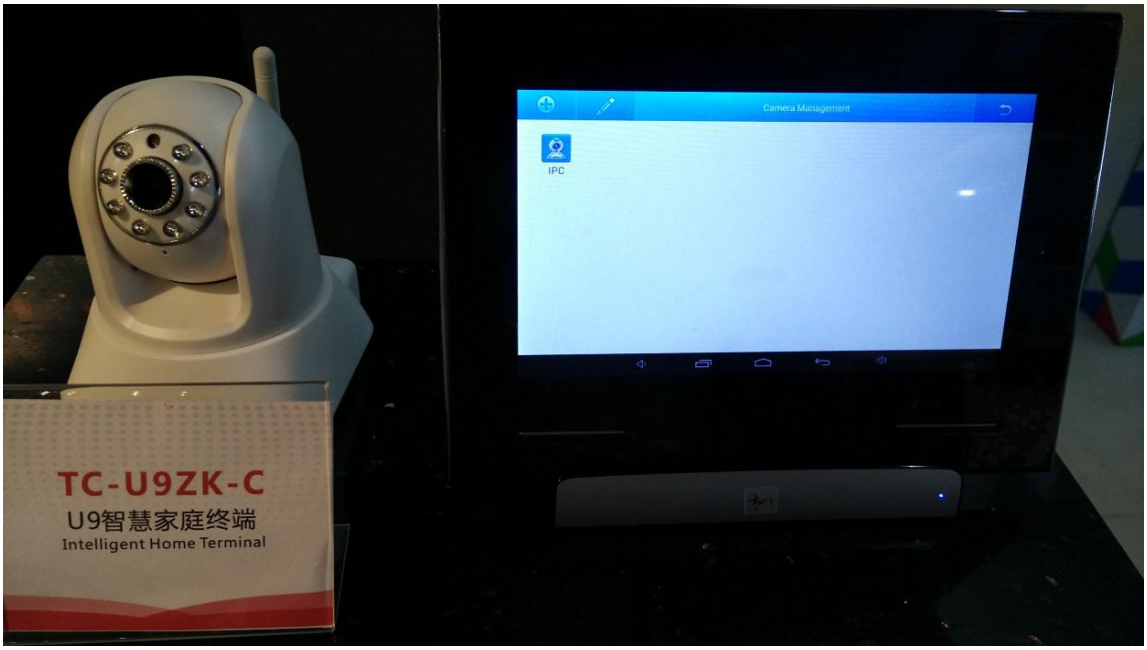


Wired Alarm Sensor To Indoor monitor

3.6 IP Cameras

3.6.1 Connect the IPC and Indoor Monitor to the Same Wifi

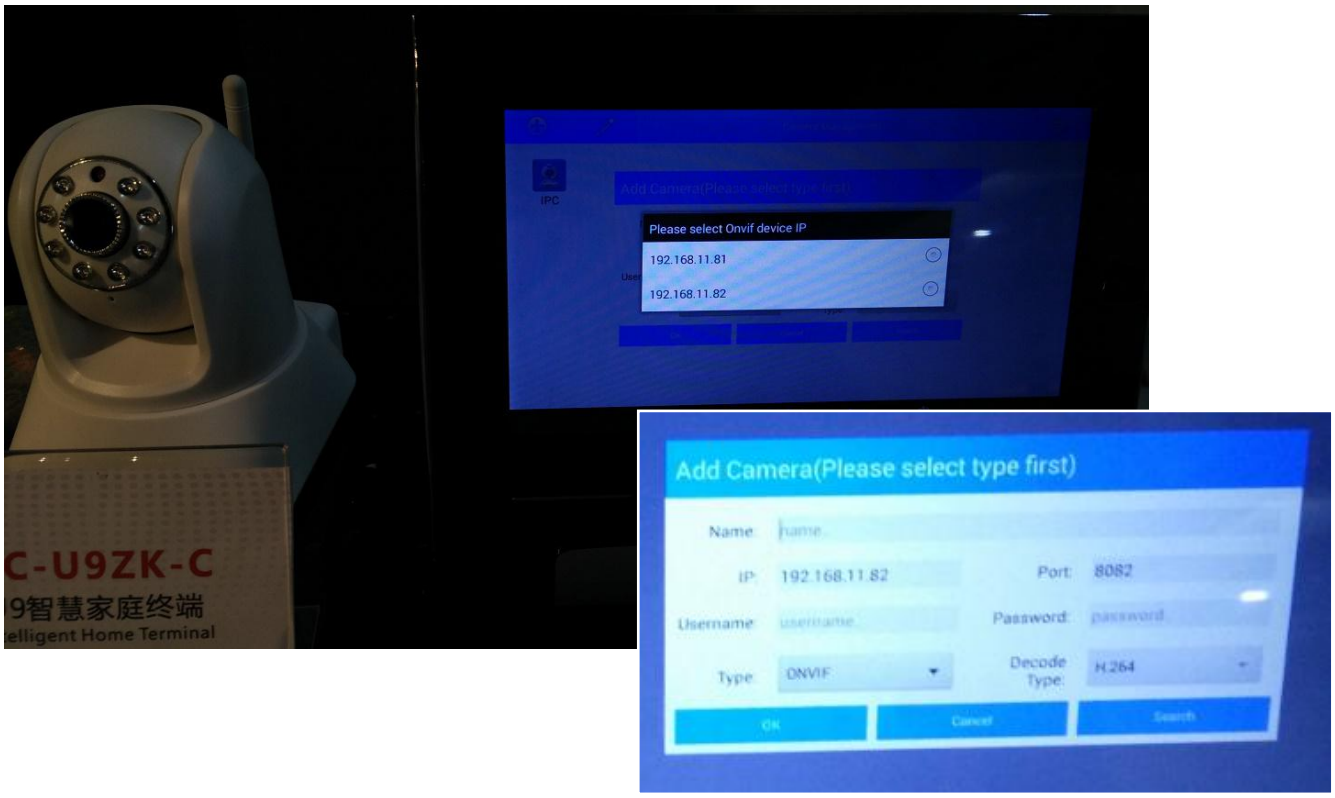
3.6.2 Enter the IPC menu and press the ADD button



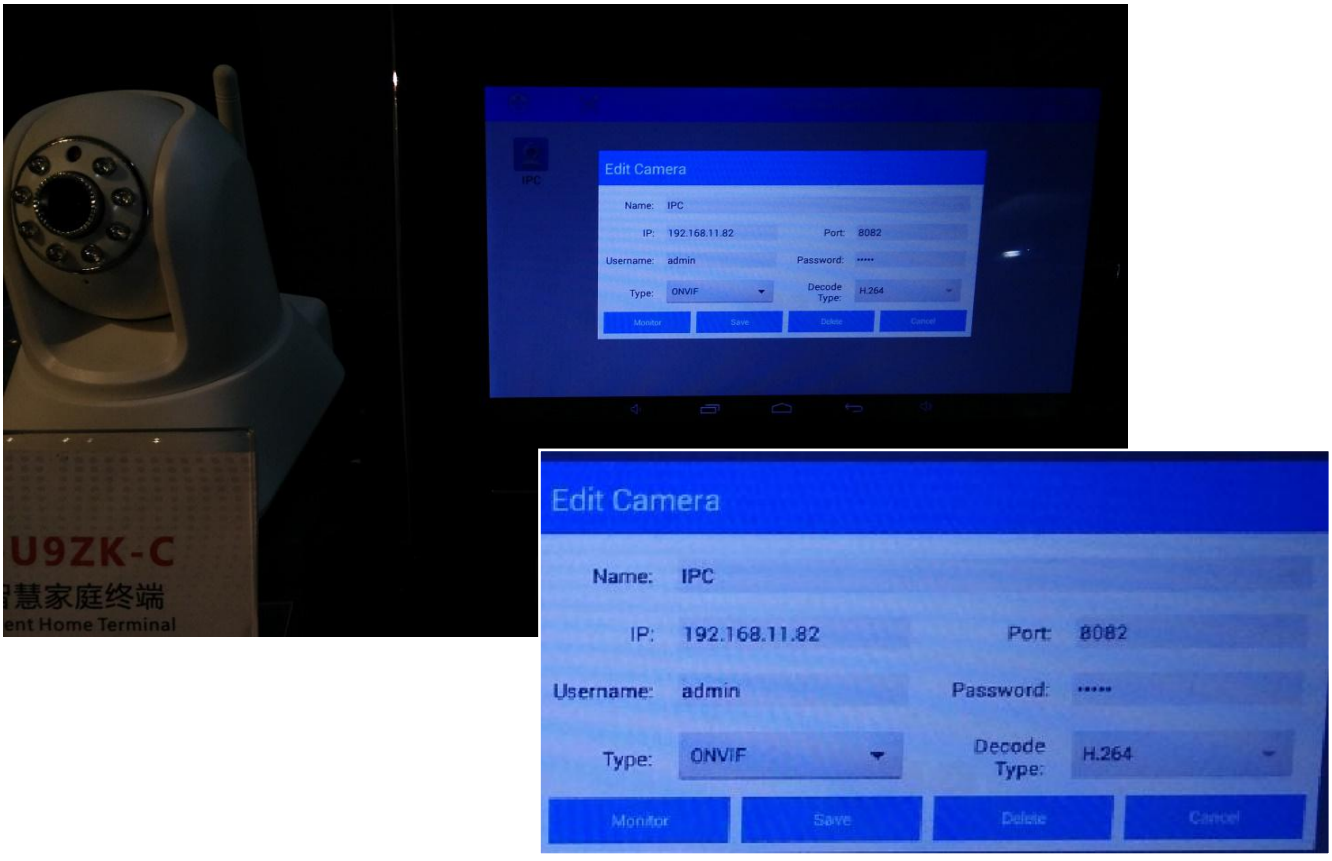
3.6.3 Select the IPC type with ONVIF

3.6.4 Press the Search button searching the Online IPC

3.6.5 Select the right IP Address of the IPC, it's preset Port will auto fill



3.6.6 Name for the IPC and input it's User name and password manually



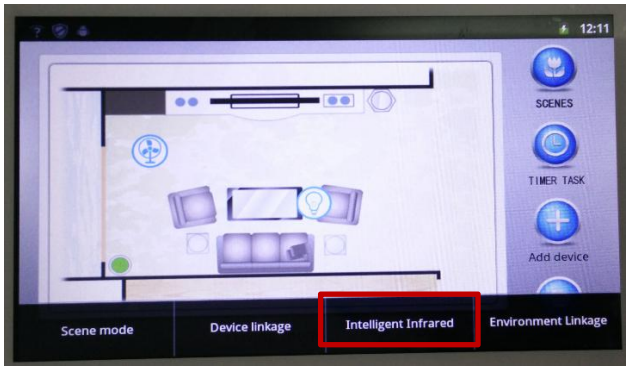
3.6.7 Operate the IP Camera, with the PTZ controller for the PTZ IPC

4. Universal IR Controller

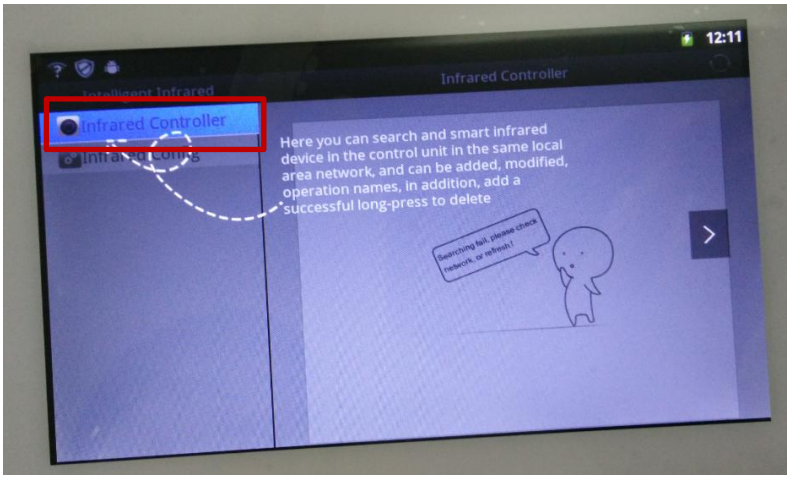
4.1 Power on the indoor monitor (control terminal) and connect ton the same WIFI with IR controller.

4.2 Touch the “Smart Home” icon to to enter the Smart Home interface

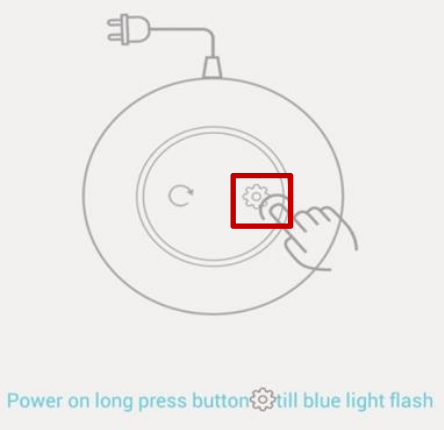
4.3 Touch Menu button, and then choose the “Intelligent Infrared”



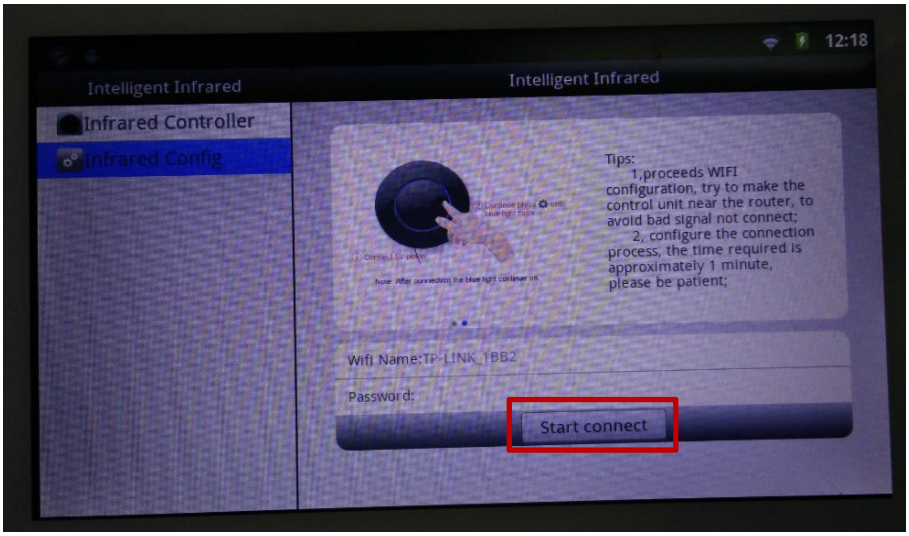
4.4 Searching online IR controller automatically and configure the IR controller



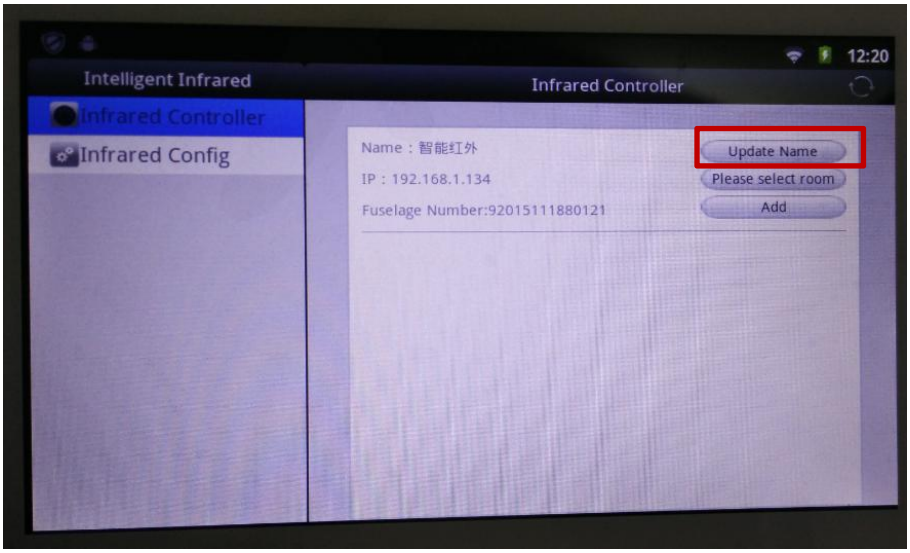
4.5 Power On the IR Controller, put beside the control terminal, long touch the “setting” button, till the blue light flicker.



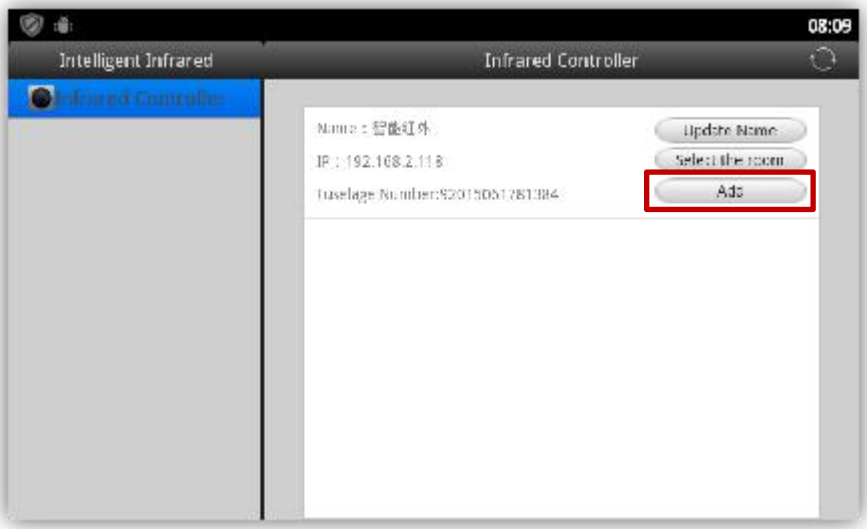
4.6 Enter the router information (wifi name and password) and Touch to connect, after connected the IR Controller blue light stop flash.

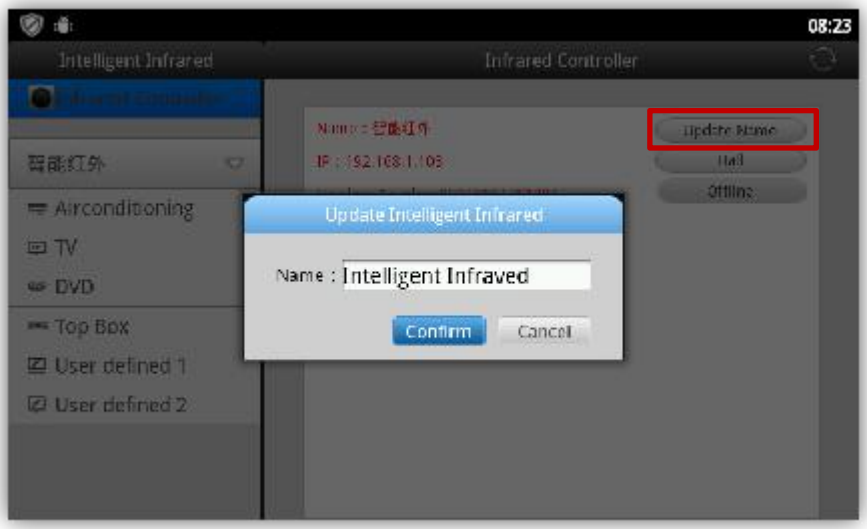


4.7 Searching online IR controller, add it and rename it.



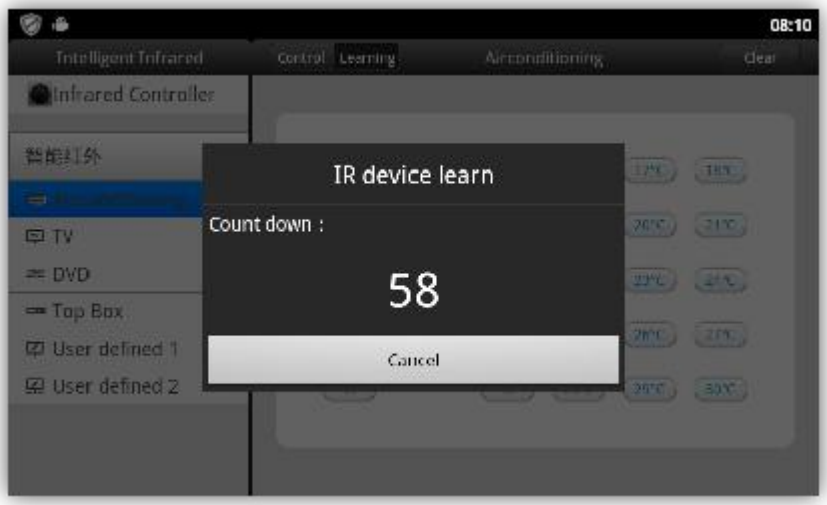
4.8 Add the online IR controller to the Control terminal





4.9 Choose the device type and press “Learning” to the IR Code learning status.

4.10 Press each Key to enter learning period, operate your original IR controller within 60 sec.



4.11 Learning other items according above process

Note: The Learned IR Controller will auto create an icon on the Smart home Interface

You can add more IR Controller configure it with different name and setting with different room.

Change the IR Controller with the pull-down button

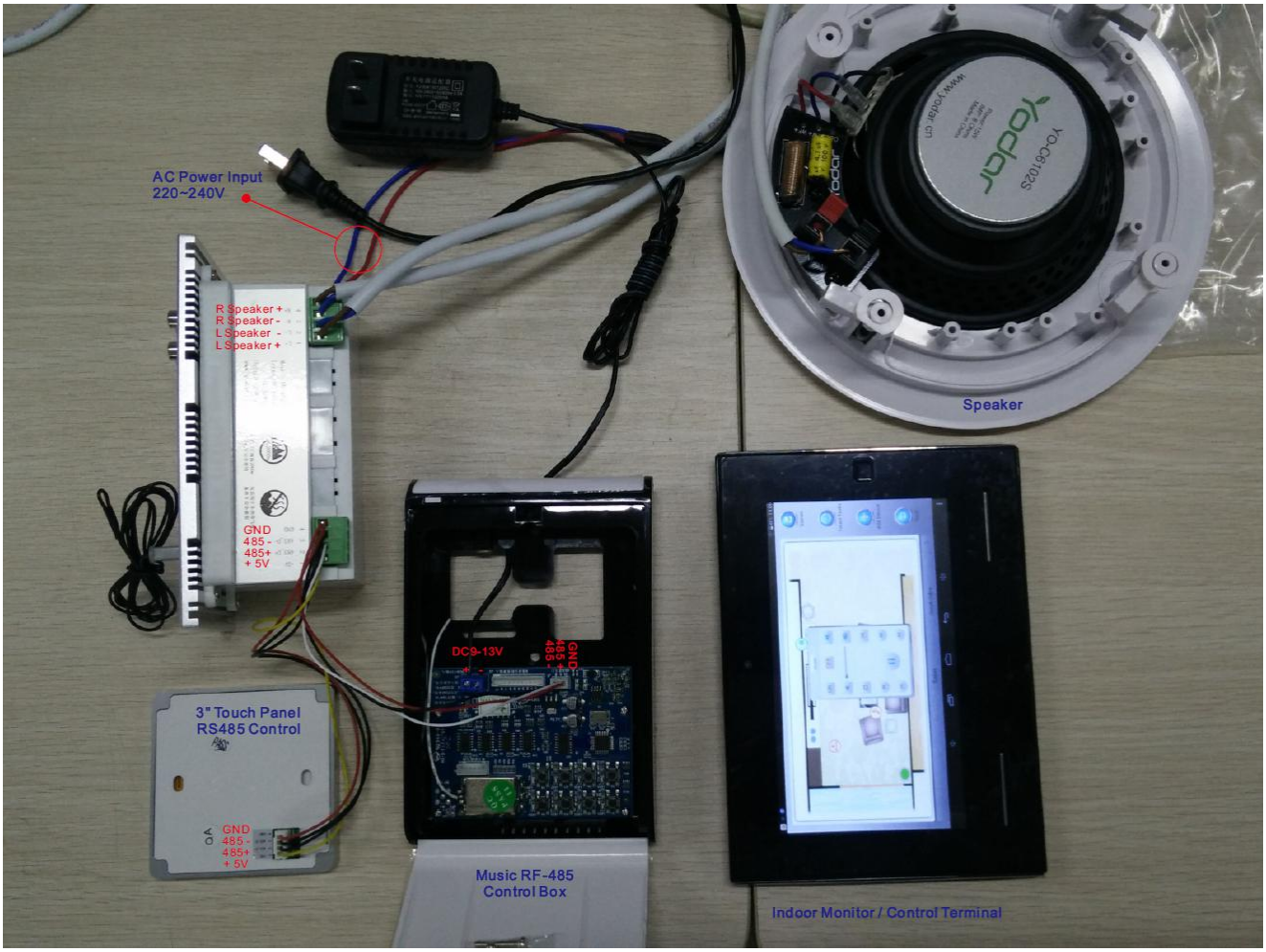
4.12 Back to the Smart home interface, the learned device will have the icon, touch the icon for the IR control

4.13 Other type IR controller learning interface

Note: long press 3 sec for define the controller

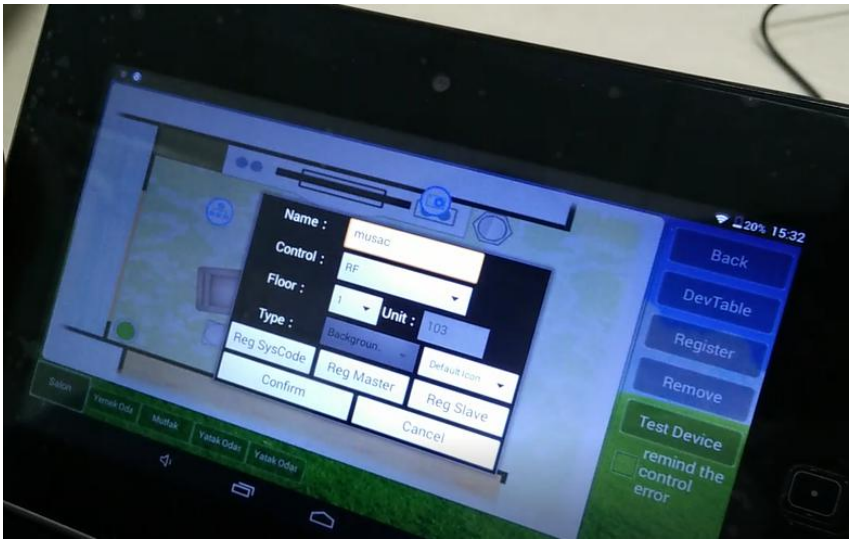
5. Music System

5.1 The Connection of the Music System.



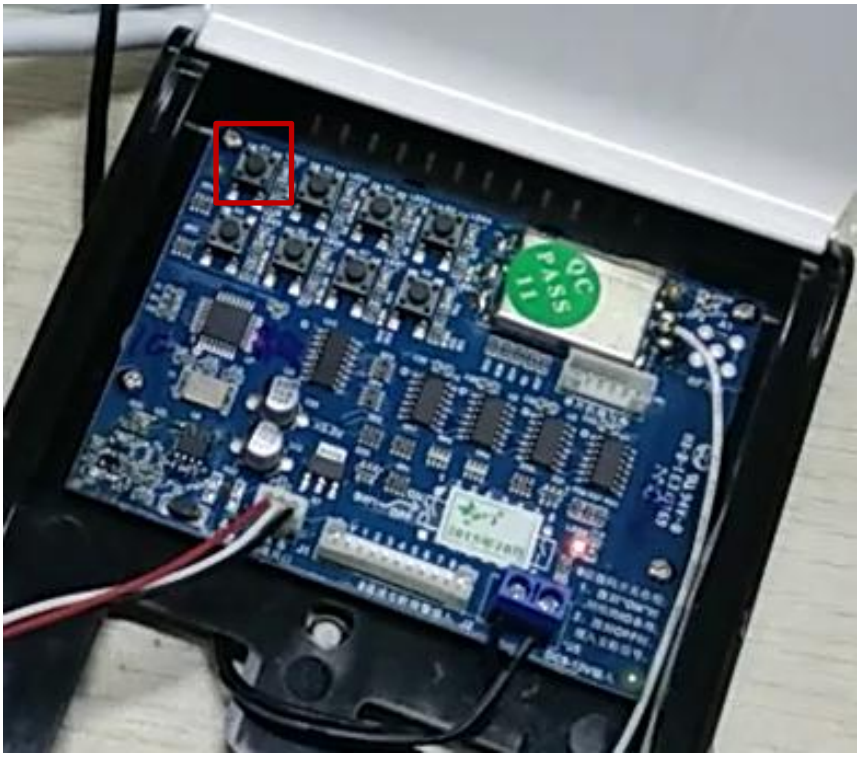
5.2 The install of the main device.

5.3 Register the music system to the Control Terminal.



Enter the project setting menu, choose the Electrical setting -> Device Setting and create an icon with the device type: Background music

5.4 Press the any button of the Music system control converter to enter the register status



Register the System Code also register as the Master.

5.4 After register successful, back to the Smart home interface, and touch the Music system icon to control the system.