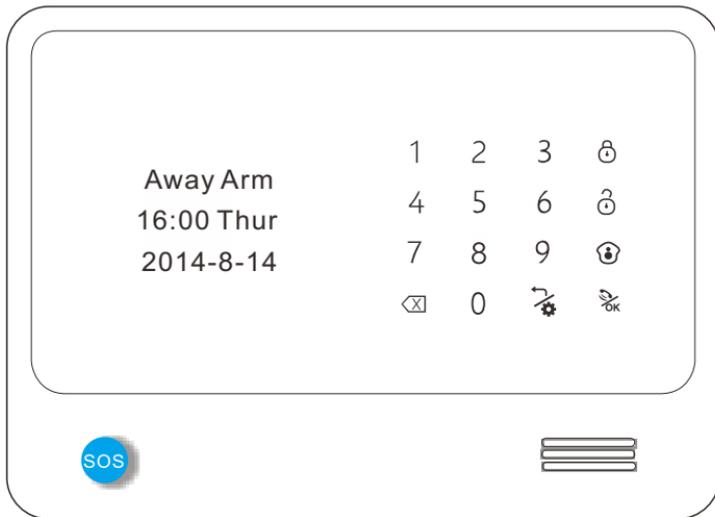


Wi-Fi

GSM Home Alarm System



Key Features

- Wi-Fi network, Internet push without charge
- IP camera APP integrated in the alarm APP
- Zone names can be revised by users
- Work with RFID wireless keypad

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Preface

Thanks for choosing our GSM+ Wi-Fi home alarm system. GSM+ Wi-Fi home alarm system has implanted the most advanced and popular Wi-Fi technology into traditional GSM alarm system technology, with very simple wireless set up and easy-read words OLED display.

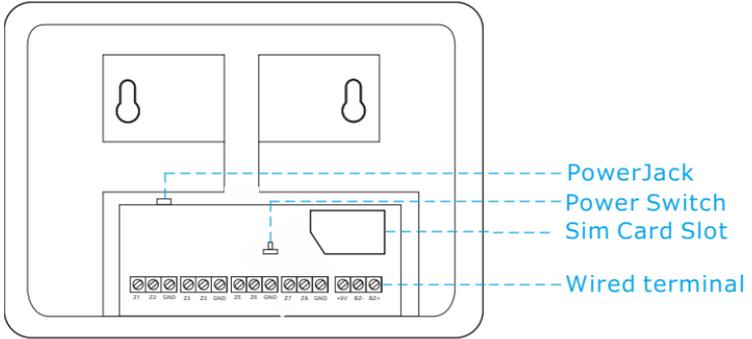
It's very convenient for users to set up the alarm system via keyboard or APP. Compared with traditional SMS APP, Wi-Fi APP is much more simple and quicker operation.

Caution: To ensure that you can enjoy the impeccable warranty service, do not open the host-housing to repair and renovation by yourself or we will not provide free warranty service. All the losses and the adverse consequences it makes will be assumed by users.

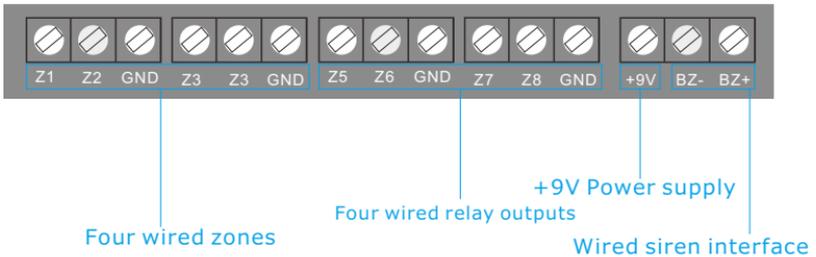
Key features

1. WIFI + GSM word menu home alarm system.
2. Android + IOS APP application easily control, Easily Authorized.
3. Notification push via Wifi, compare with traditional SMS, it's free.
4. Work with IP camera, The IP camera APP intergrated in the host APP. you can view the IP camera by phone.
5. Workable with RFID wireless keypad ,support doorbell function.
6. Zone names can be revised by users.
7. Relay usages name can be revised by users.
8. Independent zones. Every zone can be set be independent zone, which can be only disarmed by APP and alarm host keypad.
9. Leaving message remotely in APP. When leaving message in APP, such as: I will go home late,don't wait for me.Next the message is automatically mapping to the host. Users will see LCD display note to remind.
10. Information push promptly when AC power lost or recovered or detectors in low voltage.
11. Build-in wireless transmitter, can control 4 wireless relay outputs and wireless sound&strobe siren.
12. 96 wireless zones+4 wired defense zones+4 wired relay, Can store 6 alarm call phone No.
13. Wireless encoding between host and detectors, innumerable detectors for each wireless zone.
14. Arm/alarm Delay for each defense zone. Timed arm/disarm function.
15. 10-second voice message recording.
16. Support Monitoring and two-way intercom function.
17. The host can be used as a hand-free phone.

Back panel view



Back panel view



Away arm

It means to guard all around your house while everyone is going out; all the detectors of the host are always working; when the detector is triggered by detecting source (anti-theft, fire prevention, gas leak, etc.), the alarm system will sound the alarm.



Remote Controller Arm



Host Panel Arm



App Arm



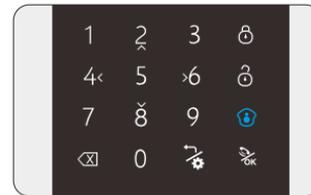
Wireless Keypad Arm

Home arm

It means, for the safety, while somebody is at home, you need to enable the peripheral: door, window, balcony and boundary detectors of the alarm system while prevent from triggering the indoor detectors, which may cause improper warning; then, you shall select Home Arm, let just part of the detectors work and disable the other parts.



Remote Controller Arm



Host Panel Arm



App Arm



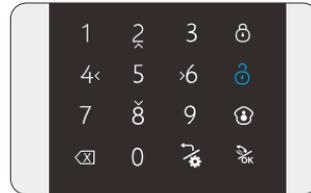
Wireless Keypad Arm

Disarm

It means to stop the alarm when the host sounds the alarm or makes the alarm system in the state of non-warning. After disarming, even if you trigger the detector, the host would not sound alarm (excluding 24- hour defense areas).



Remote Controller Disarm



Host Panel Disarm



App Arm



Wireless Keypad Arm

Voice message

It means recording voice message from APP to alarm host in order to communicate between family members. Recording voice message from APP to alarm host: Hold on touch  button, start to record the message, and no limitation for voice message length, the recorded voice message will map to alarm host automatically.



Surveillance

It means user can control IP camera directly from APP. (details take the introduction of APP function for reference)

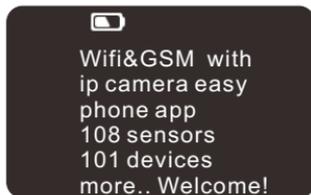
Call up

It means alarm host can be used as a hand-free phone:

- (1) User can make dial directly from alarm host, touch phone number on numeric keypad then touch  to make dial, after finish conversation touch  again to end the call.
- (2) User can make dial to alarm host, the person beside the alarm host can touch  to answer the call. after finish conversation touch  again to end the call.

Initialization

First install sim card and connect the power supply in alarm host, then switch on the alarm host ,OLED display will appear “Wifi&GSM with ip camera easy phone app 108sensors 101 devices more.. Welcome!”,10 seconds later, GSM signal icon and battery icon appear on OLED display, then initialization successes.



System setting

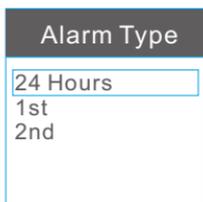
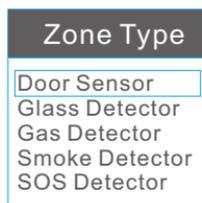
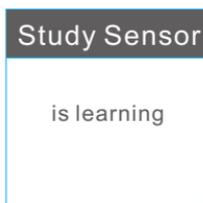
Touch  button, input 4 digital administration passwords, then can enter the setting menu for all the functions. If without further operation for 35 seconds, alarm host will return to first page.

Note: the factory default password is [0000]

Detailed functions setting

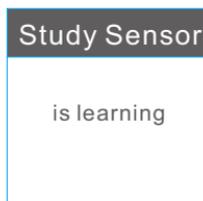
Learning alarm sensors

Touch  button, input 4 digital administration passwords, Choose“ learning sensor”menu, touch  to get into sub-menu,display appear “is learning”,at the meantime trigger the alarm sensor, while it finish learning,display will appear“success!”and the system will switch to zone type setting,user can choose alarm sensor type and defense line in this sub-menu. Then touch  to enter into “Zone Attribute”, user can choose function of delay alarm, join link, detect door, door chime and independent in sub-menu.

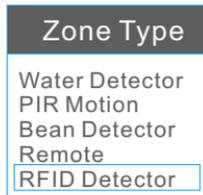


How to learn RFID keypad

Touch button, input 4 digital administration passwords, Choose“ learning sensor”menu, touch to get into sub-menu, display appear “is learning”.



Now, user input user password or Administrator password on RFID keypad and then press any one button of [away arm](#)/[disarm](#)/[home arm](#) /[doorbell](#). If the alarm panel make a sound like “beep”, then coding succeed. Users can choose RFID keypad sensor type on panel. Then users can use RFID keypad control alarm panel.



Zone type

Under this menu, user can choose alarm sensor type, such as door/window sensor, gas detector, PIR motion sensor, fire detector, etc.

Defense line

- ① 24H defense line: it means 24 hours protection, the alarm sensors in this line will trigger the alarm system whenever in arm status or disarm status, usually panic button, smoke detector, gas leakage sensor, etc. should learn to 24H defense line.
- ② 1st defense line: it means perimeter protection, the alarm sensors in this line will work in both away arm and home arm modes.
- ③ 2nd defense line: it means interior protection, the alarm sensors in this line will only work in away arm mode, but will be de-activated in home/stay arm mode.

Zone attribute

- ① Alarm delay: Alarm delay setting is that the host will not alarm until delayed time arrives. Touch **4<** to active and touch **6>** to de-active this function.

Note: for alarm delay time setting part, should refer to the menu "time set", and choose "alarm delay" sub-menu, enter time 00 to 99 sec for delayed time.

Main Menu	Time Set	Alarm Delay	Alarm Delay
Phone Number Password Alarm Recording Wifi Bonding Time Set	Arm Delay Alarm Delay Auto Arm/Disarm KeyLight Time Ring Time	Enter Time 00 Sec	update...

- ② Join link: If alarm sensor choose "join link", then means this alarm sensor will active to work, if not chosen means will not work anytime in any status. Touch to active **4<** and touch to de-active **6>** this function. (factory default is active)

Zone Attribute	
Delay Alarm	[]
Join Link	[✓]
Detect Door	[]
Door Chime	[]
Independent	[]

- ③ Door Chime: this function is suitable for main entrance gate installation to remind home owners that someone is coming in when the alarm system is in home arm or disarm status. Firstly, user need to program door sensor which want to set door chime function in 2rd defense line. secondly open door chime function under the "zone attribution" menu. After setting succeed, if alarm system in disarm or home arm status, somebody open the main entrance gate, alarm host will make sound like "ding-dong".

Zone Attribute	
Delay Alarm	[]
Join Link	[]
Detect Door	[]
Door Chime	[✓]
Independent	[]

- ④ Independent: Every zone can be set to be independent zone, which can only disarm by APP or alarm control panel, but can't disarm by remote controllers. The feature is suitable for important room or private room.

Zone Attribute	
Delay Alarm	[]
Join Link	[]
Detect Door	[]
Door Chime	[]
Independent	[✓]

Register(wireless relay outputs/wireless siren)

- ① Wireless relay outputs: Touch  button, input 4 digital administration passwords, choose "Register" menu, touch  to enter into sub-menu choosing Device number touch  to learn ,OLED will display "register...", at the meantime touch the learning button of relay output, after display " success!", then learning success. The device 4 to device 7 in alarm host and APP are corresponding to wireless relay outputs control .

Main Menu	Register	RF Device No.1	RF Device No.1
Learning Sensor Register Defense Zone Wireless Siren Push/SMS Alert	DEVICE-4 DEVICE-5 DEVICE-6 DEVICE-7 RF Socket	Register...	Success

- ② RF Socket: Touch  button, input 4 digital administration password, choose "Register" menu, touch  to enter into sub-menu choosing "RF Socket" touch  to learn ,OLED will display "register...".,at the meantime press the learning button of RF socket, after siren sound "beep-beep" and OLED display " success!",then learning success.

Register	RF Secket	RF Device No.1
DEVICE-4 DEVICE-5 DEVICE-6 DEVICE-7 RF Socket	Register...	Success

- ③ RF indoor siren: Touch  button, input 4 digital administration password, choose "Register" menu, touch  to enter into sub-menu choosing "RF indoor siren" touch  to learn ,OLED will display "register...".,at the meantime press the learning button of wireless siren, after siren sound"beep-beep" and OLED display " success!",then learning success.
- ④ RF Outdoor siren: Touch  button, input 4 digital administration password, choose "Register" menu, touch  to enter into sub-menu choosing "RF outdoor siren" touch  to learn ,OLED will display "register...".,at the meantime press the learning button of wireless siren, after siren sound "beep-beep"and OLED display " success!",then learning success.

Defense Zone

Touch  button, input 4 digital administration passwords, choose "Defense zone" menu, Touch  button to save operation. All the alarm sensors learned into alarm host would be automatically listed on screen. Users can choose one sensor and touch  button to review, edit and delete that sensor.

Review

If the chosen alarm sensor has been already set zone type, defense line, zone attribute, etc. then user can choose review to check the previous setting history.

Main Menu	Zone-001	Review	Defense Zone
Learning Sensor Register Defense Zone Wireless Siren Push/SMS Alert	Zone-001 Zone-002 Zone-003 Zone-004 Zone-005	Review Edit Delete	<Sensor Type> Magnetometer <Alarm Type> 1st

Edit

Under the edit menu, user can set zone type of the chosen alarm sensor, type defense line, zone attribute information or revise previous zone setting information.

Edit	Zone Type	Alarm Type	Zone Attribute
Review Edit Delete	Door Sensor Glass Detector Gas Detector Smoke Detector SOS Detector	24 Hours 1st 2nd	Delay Alarm [✓] Join Link [✓] Detect Door [] Door Chime [] Independent []

Delete

User can delete the learned alarm sensors from this menu.

Delete	Confirm
Review Edit Delete	Are you sure?

Revise zone name: user should refer to APP to revise zone name (take page 24 for reference)

Wireless siren

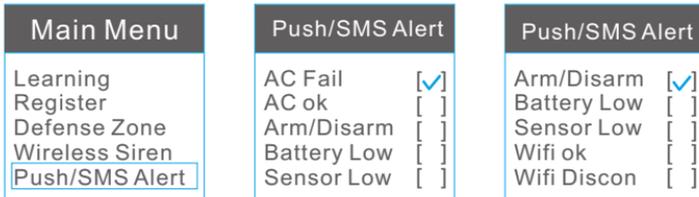
Touch  button, input 4 digital administration passwords, users can choose “wireless siren” and then touch  button to active or de-active wireless siren. Touch  to active and touch  to de-active wireless siren, and touch  button to save operation, then user can input the siren ringing time (from 000 Sec to 999 Sec) in this sub-menu and press  button to save operation.

Note: the factory default siren ring time is 300 Sec.



Push/SMS Alert

This Function is for setting AC fail and recover alert, Arm/Disarm alert, alarm host battery low voltage alert, Sensor low battery alert, Wi-Fi ok or discon alert. Touch  button, input 4 digital administration password, user may choose “Push/SMS alert”. Enter the sub-menu Touch  to active and touch  to de-active the chosen function. Once active the listed event report, users can receive push/SMS alert when events happen.



Phone number

Touch  button, input 4 digital administration passwords, user may choose “phone number”, touch  button to enter alarm phone number

setting page. choose one group and touch  button, then enter phone number, touch  button to save operation. If user want revise the pre-set phone number, users may enter the chosen phone number page, and touch  to delete the old phone number, and input new phone number, touch  to save operation.

Main Menu	Phone Number	Phone Number	Phone Number
Register Defense Zone Wireless Siren Push/SMS Alert <input type="text" value="Phone Number"/>	<input type="text" value="No Number"/> No Number No Number No Number No Number	13555555555	update...

Password

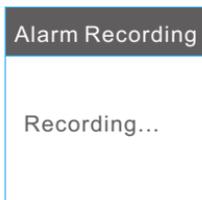
Touch  button, input 4 digital administration passwords, user may choose "Password", Enter the sub-menu, user can revise "User Password" and "Admin Password", choose one via touch  to enter the next page, input new password and re-enter password to confirm, touch  to save the operation.

Main Menu	Password	Password	Modfy Pin
Defense Zone Wireless Siren Push/SMS Alert Phone Number <input type="text" value="Password"/>	<input type="text" value="User"/> Admin	New: _ Confirm: _	update...

Note: the factory default User password is 1111
 the factory default Admin password is 0000

Alarm recording.

Touch  button, input 4 digital administration passwords, user may choose "Alarm Recording" to start record voice message. this voice message will happen when user answering alarming call.



Wi-Fi bonding

For this part setting, user should refer to APP introduction to connect Wi-Fi network (take page 24 for reference).

Time Set

This Function is for setting time for set time zone, build-in Siren, Arm delay, Alarm delay, Auto Arm/Disarm etc.



① Set Time Zone

This function is for auto timing via internet. Under this sub-menu, after user choose time zone, alarm host will auto timing.

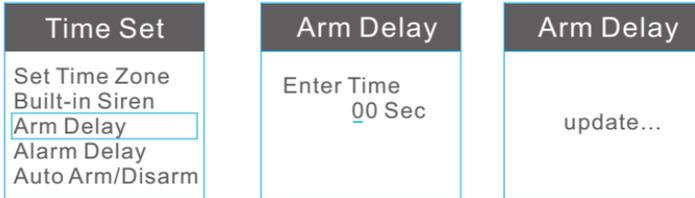
② Built-in Siren

This function is for setting the ringing time of build-in siren, user can choose 000 Sec to 999 Sec. If choose 000 Sec, then means when alarming, alarm host will keep mute.



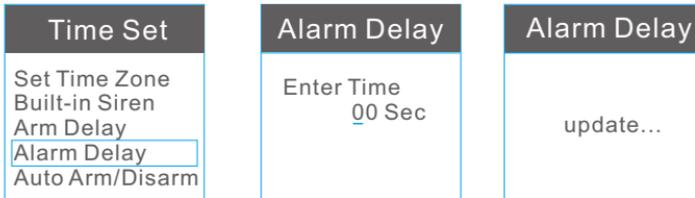
③ Arm delay

Arm time delay setting is that the host will not be armed until delayed time arrives. this function is mainly used for touch“arm”button in alarm host to arm the system and leave time for user to deviate from house .



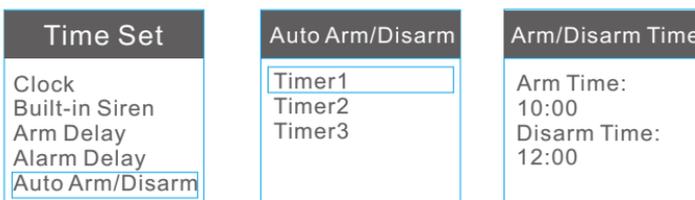
④ Alarm delay

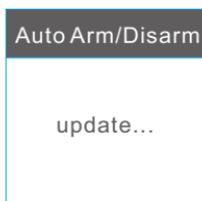
First user should active “alarm delay”function under the sub-menu of “zone attribute”which is mentioned in page 10. then setting time for delayed alarm. this function is usually apply to leave time for disarm via touching“disarm”button on alarm host panel.



⑤ Auto Arm/Disarm

In total user can set three groups auto arm/disarm time .Under “Time Set”, choose sub-menu “Auto arm/disarm”, choose “timer 1” as first group, enter arm time and disarm time, and then press left/right button to choose day, press  button to save.

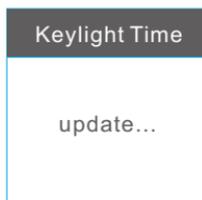
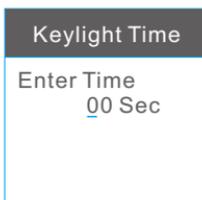




⑥ Key light time

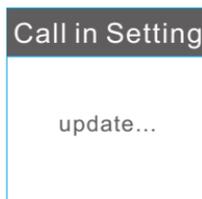
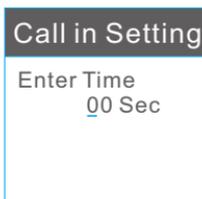
Under "Time Set", choose sub-menu "Key light time", and then enter time (00~99)(seconds).press  button to save.

Note: if there is no further operation within key light time, then the panel will exit setting status.



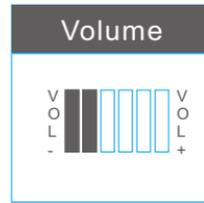
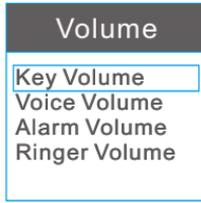
⑦ Call in Setting

Under "Time Set", choose sub-menu "Call in Setting", and then enter ringtime(00~99)(seconds).press  button to save.



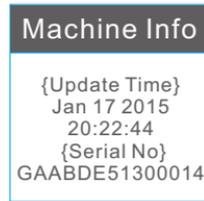
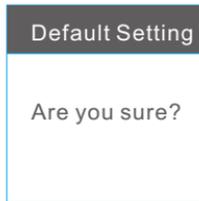
Volume

Touch  button, input 4 digital administration passwords,choose "volume" menu, touch  button to enter system volume setting menu. In total user can set key volume, voice volume alarm volume and ringer volume.



Default Setting

Machine Info



How to use App



Apple user search: "e wifi gsm alarm system"



Android user search: "WiFi GSM alarm system"

User need input phone number, E-mail address, password in this interface.



Firstly User need to register in APP. User need input phone number, E-mail address, password in this interface.

User need to Understand APP main interface

🔒 Away Arm, 🏠 Home arm/Stay arm, 🚪 Disarm, 🗣️ voice message.
📺 IP camera function, 🏠 Home automation function, 📞 Call alarm host function, 📄 history checking function, ⚙️ setting alarm host function.

Introduction of voice message function as below



Hold on pressing "message" button, record your voice message ,such as "don't wait for me for dinner ,I will go home late today",this voice message will be automatically mapping to the host. If user want to record a new voice message, just press "message"button again to start a new memo, the new voice message will cover the old voice message automatically.

Introduction of IP camera function as below

First:To better experience the convenience of this product, before using this product, please download the Phone App.

- IOS users can go to the APP Store to search and download IP camera App:"2CU"
- Android users can visit the website(www.2cu.com) to download IP camera App:"2CU"

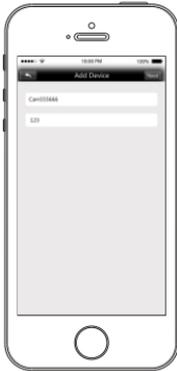
Second:Install IP camera APP in smart phone and register.

Third:Enter alarm panel APP interface, press 📺 monitor button under IP camera "Device List" interface, press ➕ button on the top right corner to enter "Add device" interface.



Fourth:Users can enter IP camera ID , press **Next** button and then input device name and input device password. Press **Save** to finish adding.

Note: IP camera ID is at the bottom sticker of IP camera. Users can define device name and default device password is 123.



Fifth:Power on the IP camera and then connect IP camera with network cable.Then the IP camera can connect with network. Refrash "Device list" , then users can see that IP camera would be "online".



Sixth:Connect IP camera with WiFi network.

Click that IP camera device, appear "playback", "setting" and "edit" buttons.Choose "Setting" to enter below interface.

Seventh: Choose "Network Settings" to enter below interface.



Eighth: Choose the accessible WiFi in the list, enter password, and press OK button to finish setting.

Finally: Then device can work with WiFi network and users can pull up the network cable.

Then press next step to finish installation. After installation, Once IP camera is online (connect Power and Wi-Fi/wired internet), user can check what happening in his house any time and everywhere.

Introduction of Home automation function

For the method to connect wireless relay outputs, user can take page 11, part ① content for reference. Once connect wireless relay outputs (touch pad switch) successfully. User can control relays directly from below APP interface:

- Device 4 to Device 7 is for wireless relay outputs.
- Device 0 to Device 3 is for wired relay outputs located in the behind of alarm control panel.



Introduction of Call alarm host function

First Touch  button, and find phone number setting in the first line, click it skip into next page like below picture. User need to input alarm host SIM card No. in the last form.



After store alarm host phone successfully, user can touch  button to call alarm host directly for listen-in what happen in house or intercom with the person beside alarm host.

Introduction of history checking function

The history checking includes all pushes history and different type of alarming history.

Introduction alarm host setting function

It includes host setting, zone attribution setting, and wireless siren setting.

- Alarm host setting is for phone No. Setting, build-in siren ring time, arm delay, alarm delay, call in setting, auto arm&disarm, push/SMS alert, key press volume and keyboard lock setting. all the functions setting listed in this page is same meaning as alarm host function setting.
- Zone attribution setting, all the learned alarm sensors will be listed in this page automatically.

From [zone-97](#) to [zone-100](#) is for wired alarm sensor setting.

From [Zone-1](#) to [Zone-96](#) is for wireless alarm sensors setting.

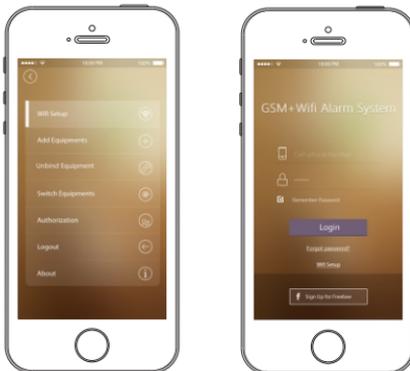
Touch each zone number, the popping sub-page is for detailed function setting, including revising zone name(limitation for 16 letters),join linkage, door Chime and independent zone setting.



- Wireless Siren setting, user can revise siren name, join linkage or not,set alarm time in this page.

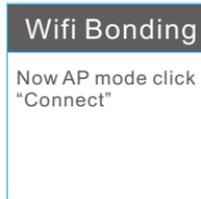
Instruction for Wifi setting.

There are two way to connect Wifi Network.
First, log in APP application, click ☰ button at top right corner in APP main interface.
Second,click"wifi setup"of login interface.



Android:

- Input user's house Wi-Fi name and password first, then wait for alarm panel appear **Now AP mode click"connect"**.
- Go to alarm control panel, log into main menu on setting. find Wi-Fi Bonding.



Go to APP to click"connecting"



When connect Wi-Fi success, APP will appear "smart config succeed"

When wifi icon  appeared on first page, then means alarm host connect Wi-Fi network successfully.

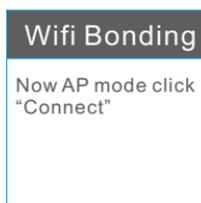


IOS:

Firstly, enter APP WiFi setup interface.

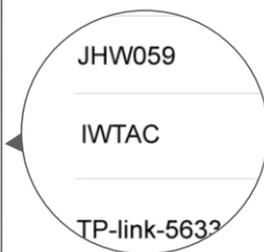
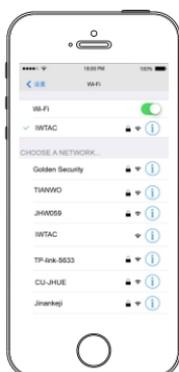
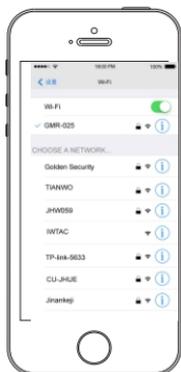


Secondly, click to enter panel "WiFi bonding" menu.

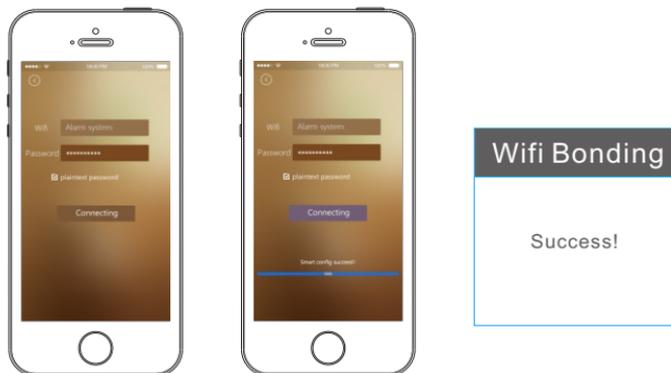


Now, panel enter AP mode

Thirdly, users now press "home" button on iPhone to enter smart phone main interface, find the WiFi setting page. At this time users can see the IWTAC hotspot which is also the hotspot of panel showed on iPhone. Users can connect iPhone with this hotspot, no need to enter password.



Forthly, after successfully connect iPhone with IWTAC, users now can operate APP, enter ssid and password of users'home WiFi. Click "Connection", then panel and APP enter bonding process.



Fifthly, wait several seconds, then notification of operation succeed will pop up both on panel and APP.

Finally, after bonding success, APP will exit WiFi setup interface. Users can connect iPhone with home WiFi hotspot. Then users can use APP control panel.

Note: if external power is cut off, alarm host use backup battery to work, then only GSM network works, but Wifi network will not work, as backup battery is hard to support Wifi working for long time.

Add equipment

First, log in APP application, click ☰ button at top right corner in APP main interface. Then Choose sub-menu "add equipment", popping the below picture to scan the QR Code.



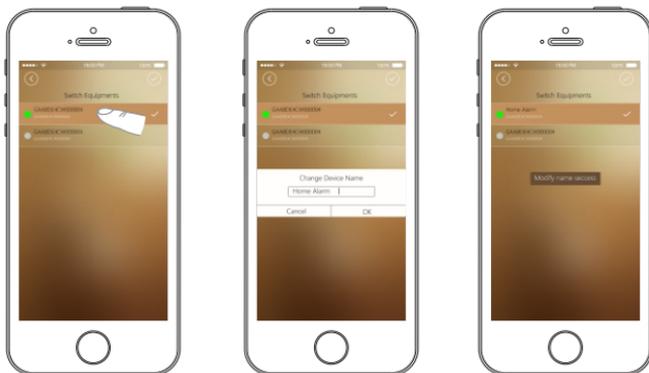
Unbind equipment

First, log in APP application, click ☰ button at top right corner in APP main interface. Then Choose sub-menu “Unbind equipment”,popping the below picture ,user can touch “Unpin less” to unbind the present equipment. Once unbinding success, popping tip “unpin less succeed”.



Switch Equipment

First, log in APP application, click ☰ button at top right corner in APP main interface. User can touch “Switch Equipment”,popping the below picture ,and Short touch device name to switch the system.

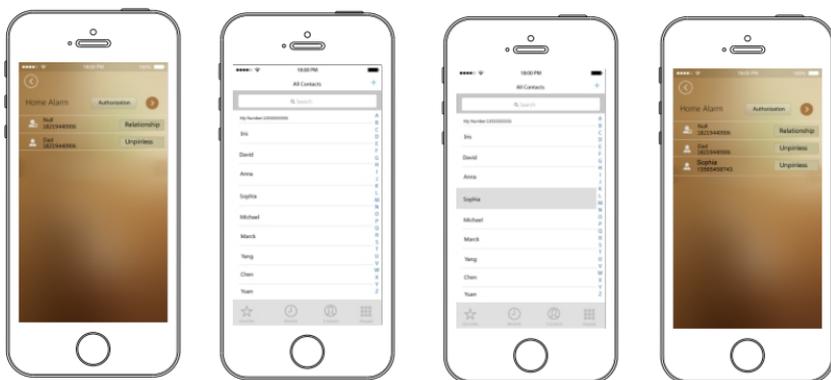


1. The icon ● turns green, means this device is online; if the icon ● turns gray, means this device is off line. For example in picture 1 device name GAA8DE4CW000030 is online and GAA8DE4CW000003 is off line.

2. Hold on touch device name same as picture 2 to revise device name. it will pop-up the dialog box as picture 3, input the new device name in dialog box, touch ok button to confirm. After appear the tip “modify name success”, then modify device name is succeed.

Authorization

The APP admin account can give authorization to two other mobile phone APP sub-account. First, log in APP application, click ☰ button at top right corner in APP main interface. Then Choose sub-menu “Authorization”.



After choose the controlled device, user can touch dialog box the mobile phone contact list will be pop-up. after choosing sub-account mobile phone number from the contact list, the authorized phone number will be listed in picture 4.

Note: authorize 2 phone No. at the most.

After authorization is finished, user can revise the relation for each number. click the member list, and input the name of relation into popping dialog box, touch ok to confirm, then the relation name will be updated.

Logout

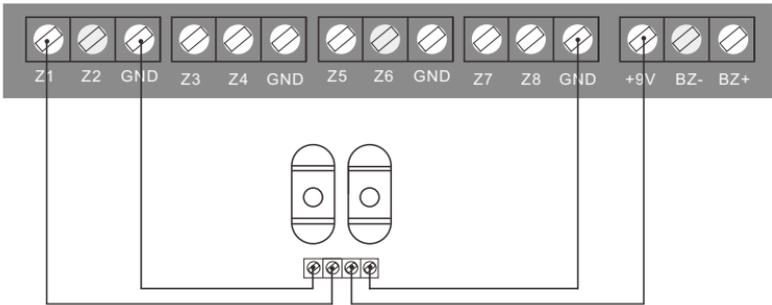
User can touch ⬅️ button to return to login page.

Wired zones sensor connection

Only mainstream wired sensors will be introduced here, such as wired beams, wired indoor PIR sensor and wired door sensor. These three kinds of wired sensors powered by panel, so users need to connect them with panel power terminal.

Wired Beams

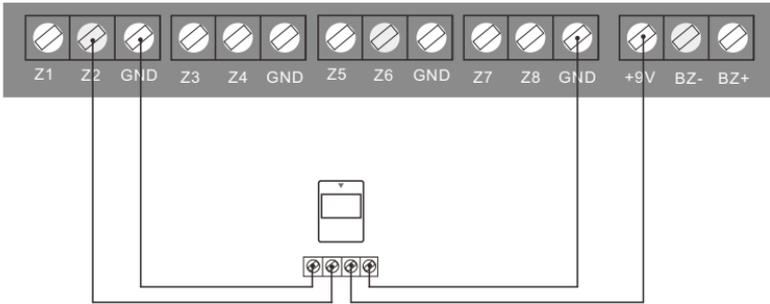
users need to connect beams positive wire with +9V power terminal on panel and connect beams negative wire with GND terminal on pane. Wired beams signal output terminal should be connected with Z1/Z2/Z3/Z4 termina on panel, another output terminal should be connected with GND terminal on panel.



Note: For wired beams detector, its power consumption is a little large, so if install over than 2 pairs beams, need to use external power supply.

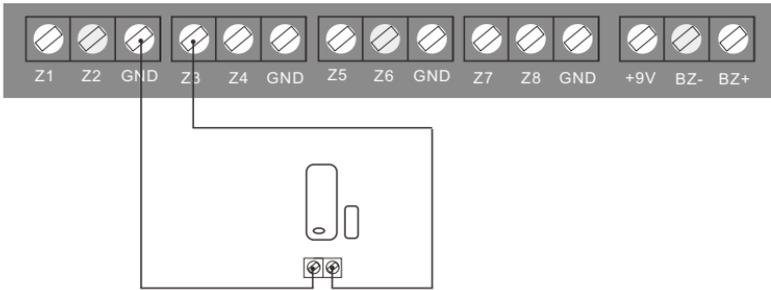
Wired PIR motion sensor

users need to connect PIR positive wire with +9V power terminal on panel and connect PIR negative wire with GND termina on panel. Wired PIR signal output terminal should be connected with Z1/Z2/Z3/Z4 terminal on panel, another output terminal should be connected with GND terminal on panel.



Wired door sensor

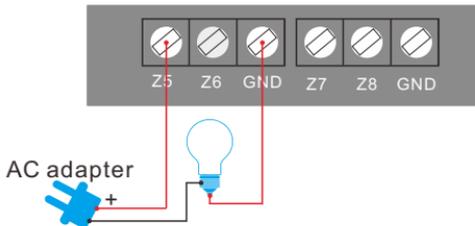
users need to connect one output terminal with Z1/Z2/Z3/Z4 terminal on panel and connect another output terminal with GND terminal on panel.



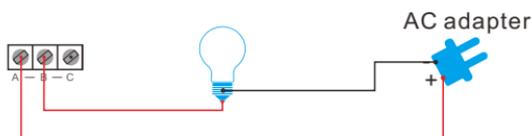
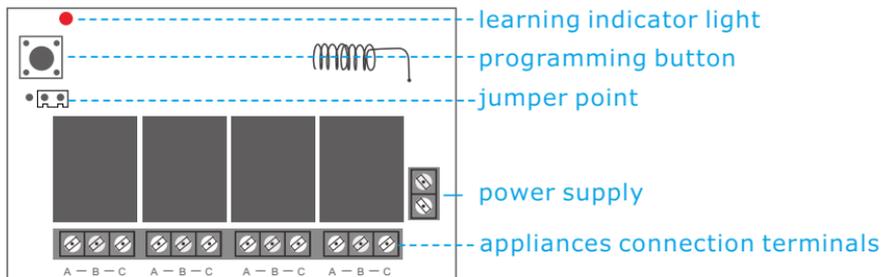
Wired and wireless relay outputs

Wired relay output

There are four wired relay output on panel, that is Z5,Z6,Z7 and Z8. Below is an illustration of lamp connection diagram.



The instruction for use wireless relay outputs



Attention:

When you plug the Jumper between the 1, 2 pins, four bulbs will simultaneously be opened and closed, or opened /closed several of them; when Jumper between the 2, 3 pins, you can only turn on one bulb once, for example, if you have already opened the '1' bulb, when open the "2" bulb, the '1' bulb will go off.



There are four groups of "A/B/C" in a relay and one group will control one set of circuit. As known to all that only a closed circuit formed the appliance works, that's to say the relay is a switch in this circuit.

For example: If you would like the beside lamp controlled by the first group, simply cut off the Fire Wire of bedside lamp circuit and reconnect the two sides of A B. Of course, you can also be cut off the zero line to plug in A and B of the first group as well. Same goes for the second, third and fourth group.

Maintenance

System detection

Alarm system need regular care and maintenance and detection to ensure they work stable, reliable and safe. Normally the host needs a thorough inspection every 3 months and the detectors need to be checked once a month.

- ❗ Whether the host normally dials up the telephone numbers.
- ❗ Whether the host can receive detector signal and whether its backup battery works.
- ❗ Manually trigger detectors to check whether they trigger panel alarm.
- ❗ Check batteries of all detectors to see whether they are under voltage.

Notice

Alarm equipment, for explosion-proof design, shall not directly be used in hazardous location. Do not dismantle, repair and modify products privately. Without permit and consent from relevant department, do not directly set "110", "119" or alarm phone number of police station as alarm phone number of the host.

FC CE RoHS