

# GSM WIFI GPRS 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



CD-ROM  
Version 1.2

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# Preface

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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

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1. WIFI + GSM+GPRS 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.

# Technical information

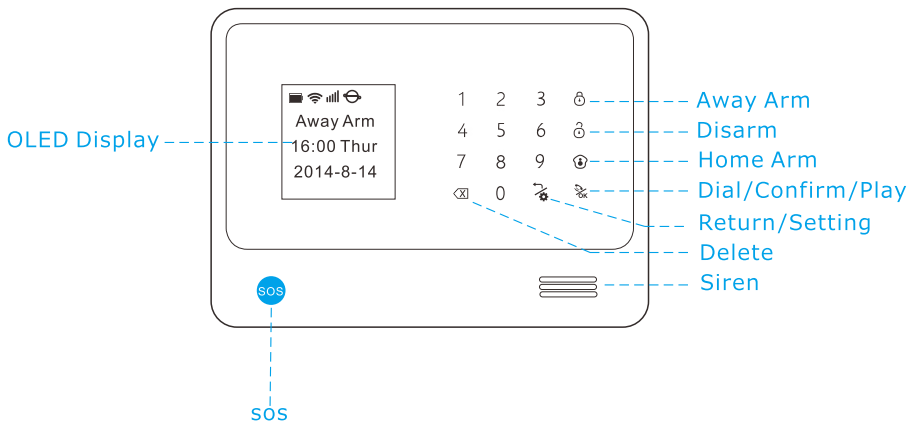
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Power supply: AC=100 ~ 230V 50Hz/60Hz

- Working voltage: DC12V 1A
- Static current: < 35mA (when not in charging)
- Alarm current: < 120mA
- Backup Battery: 3.7V 1050mAh
- Standby time: Around 36 hours
- Charging time: 10 hours
- GSM frequency: 850/900/1800/1900MHz
- WiFi frequency:2.4G
- GSM Transmission power: 2W
- Receiving and emitting frequency: 433MHz

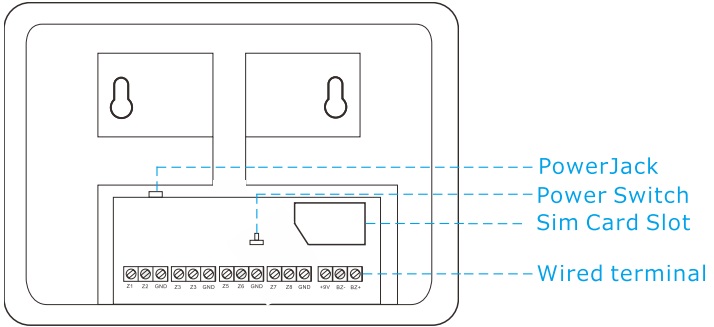
## Front panel view:

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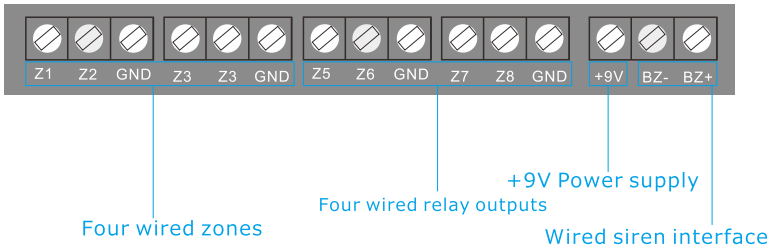
## Back panel view

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## Back panel view

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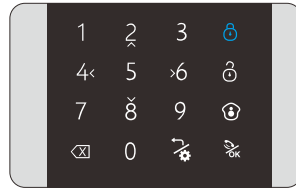
## Away arm

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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.



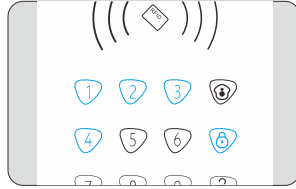
Remote Controller Arm



Host Panel Arm



App Arm

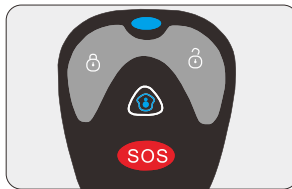


Wireless Keypad Arm

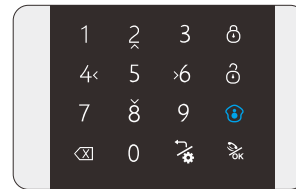
## Home arm

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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

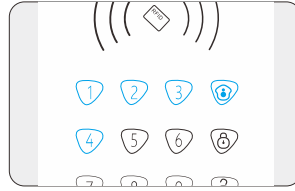


Host Panel Arm





App Arm

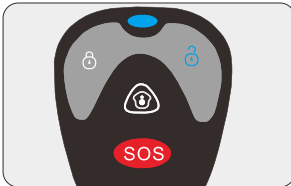


Wireless Keypad Arm

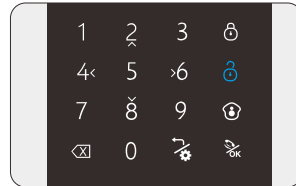
## Disarm

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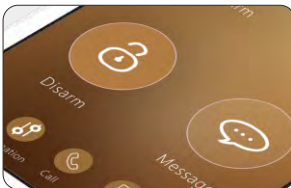
It means to stop the alarm when the host sounds the alarm or makes the alarm system in the state of non-warning. After disarming, even if you trigger the detector, the host would not sound alarm (excluding 24- hour defense areas).



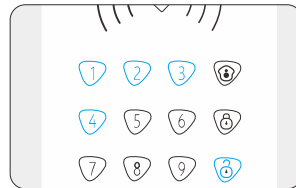
Remote Controller Disarm



Host Panel Disarm




App Arm



Wireless Keypad Arm

## Voice message

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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





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

## Call up

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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


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First install sim card and power the alarm host with adapter, then switch on the alarm host ,OLED display will appear “Wifi&GSM with ip camera easy phone app 100 sensors 101 devices more.. Welcome!”,10 seconds later, GSM signal icon and battery icon appear on OLED display, then initialization successes.



## System setting

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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.

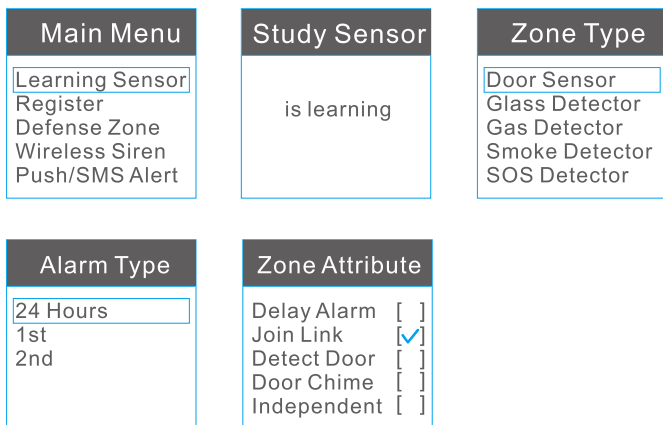
**Note:** the default administration password is [0000]

## Detailed functions setting

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### Learning alarm sensors

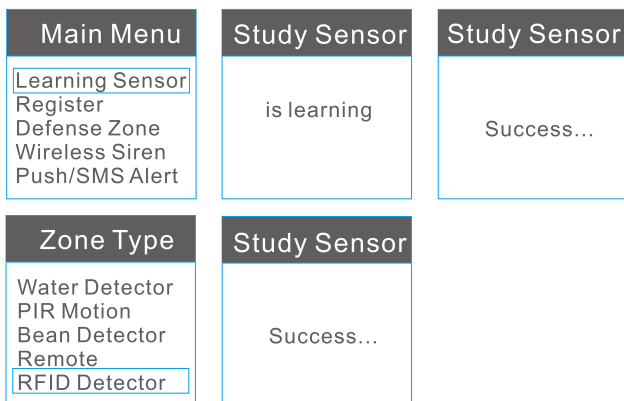
Touch  button, input 4 digital administration passwords, Choose “learning sensor” menu, touch  to get into sub-menu, display appear “is learning”, at the meantime trigger the alarm sensor, while it finish learning, display will appear “success!” and the system will switch to zone type setting, user can 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.



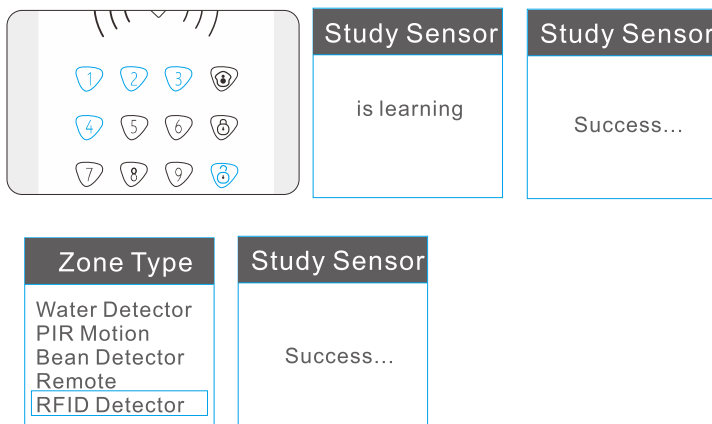
### How to learn RFID keypad

There are two ways to learn RFID keypad into alarm panel.

One learning way: Touch  button, input 4 digital administration pass-words, choose "learning sensor" menu, touch  button to get into sub-menu, display appear "is learning". Now the host enter keypad learning status, user can press the tamper switch of RFID keypad once. The tamper switch is at the backside of keypad. Once the panel make a sound like "beep" and display shows "success", then coding succeed. Users can choose RFID keypad sensor type on panel. Then users can use RFID keypad control alarm panel.



The other learning way: firstly user can follow operations described above to make panel under keypad learning status. Then user input user password or Administrator password on RFID keypad and press anyone 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 Time Set	Set Time Zone Build-in Siren Arm Delay Alarm Delay Auto Arm/Disarm	Enter Time 00 Sec	update...

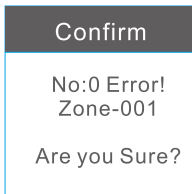
- ② Join link: If alarm sensor choose "join link", then means this alarm sensor will active to work, if not chosen means will not work anytime in any status. Touch 4< to active and touch 6> to de-active this function. (factory default is active)

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

- ③ Detect Door: if the door/window sensors choose "detect Door", then those sensors will have smart zone function. That is, when users away arm alarm host, the system will automatically check whether doors and windows are closed; alarm host will remind users which door or window is open.

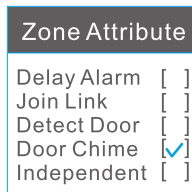
Note: This function is only available for two way door/window sensor.

When users away arm alarm host on panel or away arm host with remote controllers, if the door sensor has not closed, the panel won't away armed successfully, OLED will display as below. Users can press OK button to mandatory away arm the panel.

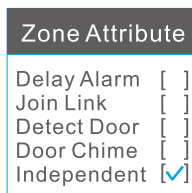


When users use APP away arm the alarm host. If the door sensor is open, users can successfully away arm the panel, at the mean time, host APP will send push to remind users which zone need to close.

- ④ Door Chime: this function is suitable for main entrance gate installation to remind home owners that someone is coming in when the alarm system 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".






- ⑤ Independent: Every zone can be set to be independent zone, which can only disarmed by APP or alarm control panel, but can't disarmed by remote controllers. The feature is suitable for important room or private room.



## Register(wireless relay outputs/wireless siren)

### ① Wireless relay outputs:

Firstly, Connect wireless relay outputs with power adapter. To delete previous setting, user can long press the Programming button about 6 seconds until the LED indicator lamp lights on again, then means it return to factory setting successfully.




Secondly, turn to alarm panel, touch  button ,input 4 digital administration password,choose “Register” menu, touch  button to enter into sub-menu, choose Device 4/5/6/7 and touch  button to confirm. OLED will display“Register...”.

Thirdly, press the learning button of relay, the indicator light of relay will flash and relay make switch sounds. About 15s later, the light will stop flash and sounds stop also. OLED will display “Register Completed!”, then means learning succeed.

Fourthly, disconnect power adapter from relay. And then reconnect power adapter for relay. Now users can go to control relay output in the “Automation” of smartphone APP.

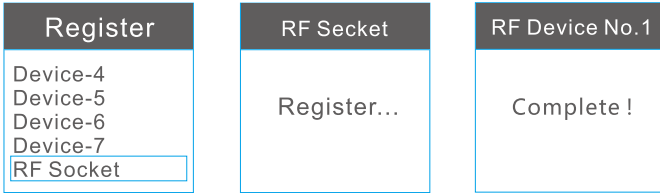
For more relay output setting details, users can turn to page 38 “The instruction for use wireless relay outputs”.









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...	Register Completed!

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 keep press the learning button of RF socket about 5 seconds






and then release, the indicator light of socket will flash and the socket will make switch sounds. After the socket stop flash and sounds also stop. OLED display“ Complete!”,then learning succeed.



- ③ RF indoor siren: Touch  button, input 4 digital administration password, firstly choose “wireless siren” menu, touch  button into sub-menu, set siren ON and set siren type(users can refer to siren type setting on page 16). Return to the main menu, choose “Register” menu, touch  to enter into sub-menu choosing “RF indoor siren” touch  to learn ,OLED will display “register...”,next long press type B siren learning button for 3s or short press type A siren learning button, after siren sound“beep”and OLED display“Complete!”,then learning succeed.
- ④ RF Outdoor siren: Touch  button, input 4 digital administration password, firstly choose “wireless siren” menu, touch  button into sub-menu, set siren ON and set siren type(users can refer to siren type setting on page 16). Return to the main menu, choose “Register”menu, touch  to enter into sub-menu choosing “RF outdoor siren” touch  to learn ,OLED will display “register...”, next long press type B siren learning button for 3s or short press type A siren learning button, after siren sound“beep beep”and OLED display“Complete!”,then learning succeed.

## 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 <input type="text" value="Defense Zone"/> Wireless Siren Push/SMS Alert	<input type="text" value="Zone-001"/> Zone-002 Zone-003 Zone-004 Zone-005	<input type="text" value="Review"/> Edit Delete	<Sensor Type> Door Sensor <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 <input type="text" value="Edit"/> Delete	<input type="text" value="Door Sensor"/> Glass Detector Gas Detector Smoke Detector SOS Detector	24 Hours <input type="text" value="1st"/> 2nd	Delay Alarm <input checked="" type="checkbox"/> Join Link <input checked="" type="checkbox"/> Detect Door <input type="checkbox"/> Door Chime <input type="checkbox"/> Independent <input type="checkbox"/>









### Delete

User can delete the learned alarm sensors from this menu.

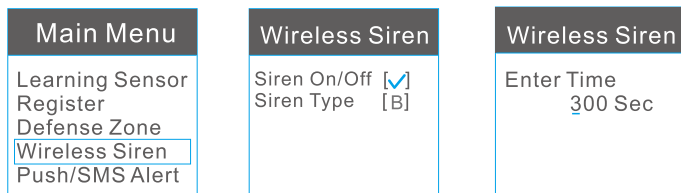
Delete	Confirm
Review Edit <input type="text" value="Delete"/>	Are you sure?

Revise zone name:user should refer to APP to revise zone name (take page 29 for reference)






## Wireless siren

Touch  button, input 4 digital administration passwords, users can choose “wireless siren” and then touch  button to enter into sub-menu, choose “Siren On/Off” to active or de-active wireless siren. Touch  to active and touch  to de-active wireless siren, choose “Siren Type” to set A or B for siren. Touch  to set A and touch  to set B. and touch  button to save operations, 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.





Note: the default siren type is type B, users need to set right siren type firstly before sirens learning.

Siren	Siren Type[A]/[B]	Siren	Siren name
	[A]		[A][B]
	[A]		[B]
	[A]		







## 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 disconnect alert. Touch  button, input 4 digital administr

-ation 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 evens happen.




Main Menu	Push/SMS Alert	Push/SMS Alert
Learning	AC Fail <input checked="" type="checkbox"/>	Battery Low <input checked="" type="checkbox"/>
Register	AC ok <input type="checkbox"/>	Sensor Low <input type="checkbox"/>
Defense Zone	Arm/Disarm <input type="checkbox"/>	Wifi ok <input type="checkbox"/>
Wireless Siren	Battery Low <input type="checkbox"/>	Wifi Discon <input type="checkbox"/>
Push/SMS Alert	Sensor Low <input type="checkbox"/>	Door close <input type="checkbox"/>

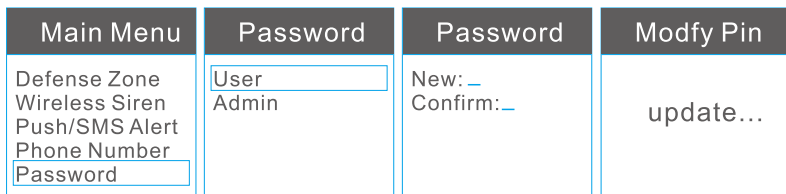
## Phone number

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	No Number	1355555555	update...
Defense Zone	No Number		
Wireless Siren	No Number		
Push/SMS Alert	No Number		
Phone Number	No Number		


## Password

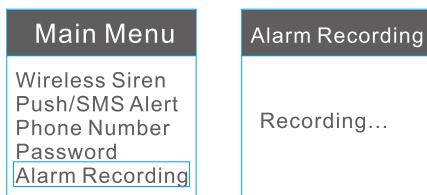
Touch  button, input 4 digital administration passwords, user may choose “Password”, Enter the sub-menu, user can revise “User Password” and “Admin Password”, choose one via touch  to enter the next page, input new password and re-enter password to confirm, touch  to save the operation.





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

## Alarm recording.

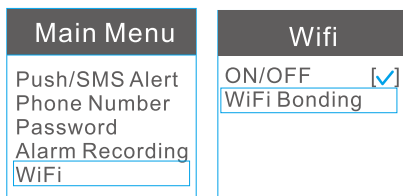
Touch  button, input 4 digital administration passwords, user may choose "Alarm Recording" to start to record voice message. this voice message will happen when user answering alarming call.



## Wi-Fi

- Users can turn ON/OFF the WiFi connection function for panel. Touch  to turn on and touch  to turn off this function(factory default is ON).
- WiFi bonding: for this part setting, user should refer to APP introduction to connect WiFi network for panel. (take page 30 for reference)

Note: users should confirm the Wifi connection function is ON and users should remember to power on panel with adapter before Wifi connection.



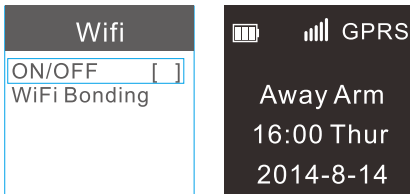
## About GPRS function

When SIM cards have access to GPRS function, alarm host will work with GPRS network in below two cases

- A. alarm host work with WiFi, while suddenly AC power failure, then alarm host will automatically switch to work with GPRS network. (Later when AC power recover, the alarm host will automatically switch to work with Wifi network)

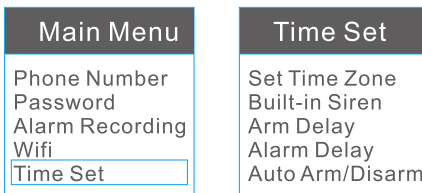
**Note:** when the AC power on but wifi off, the panel can not automatically switch to work with GPRS.

- B. If users have turn OFF Wifi connection function on alarm host , then the alarm host will work with GPRS network.



## 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.