

SF-G2 Security System Instruction manual (4G+WiFi Alarm)



1.Preface

Thanks for choosing our 4G WIFI alarm system with 4.3 inch touch screen LCD,when wifi was cut off,user can still use mobile APP to remote control it via 4G network(this function is only available while inserted 4G simcard).It works with both wireless and wired alarm sensors,such as PIR motion sensor door/window contactwater leakage sensor, shock sensor, glass break sensor, remote keyfob, outdoor indoor siren, etc.

2.Technical Information

Network	WiFi+4G/GPRS
Power Supply	3.7V/750mAh
Power Supply	DC 5V/2A
Alarm Current	<500mA
Working current	<250mA
Backup lithium battery	3.7V/1000mAh
4G Module information	<ul style="list-style-type: none">● Supported frequency (US standard A7670SA) : GSM/GPRS/EDGE Frequency: 850/900/1800/1900 MHz; LTE frequency:LTE-FDD: B1/B2/B3/B4/B5/ B7/B8 /B28/B66● Supported frequency (EU&Asia standard A7670E) : GSM/GPRS/EDGE Frequency: 900/1800 MHz; LTE frequency:LTE-FDD: B1/B3/B5/B7/B8/B20● Supported frequency (Asia standard A7670C) : EGSM 900/DCS1800; LTE frequency:LTE-FDD: B1/B2/B3/B5/B8 LTF-TDD:B34/B38/B39/B30/B41 433mhz(868mhz for optional)Receiving and emitting frequency
WiFi frequency	2.4G

24*24mm Size Series Modules User Guide

Continents	Nations	Promotion Module	Sizes (mm)	Standard	(radio) band	Approve
Asian	Mainland China/ Hong Kong/Macau	A7670C	24*24	CAT1	3-mode 11-frequency	TA/CTA /CCC
	South-East Asia: Indonesia/India/Thailand /Laos/Malaysia /Singapore/Korea /Vietnam etc.	A7670C	24*24	CAT1	LTE-FD B1/B3/B5/B7 /B8/B20/ GSM/GPRS /EDGE 900 /1800 MHZ	CE REACH ROHS
European	UK/Germany/France/Italy /Belgium/Netherlands /Switzerland/Spain /Russia/Ukraine/Turkey /Portugal/Luxembourg /Serbia/Hungary/Austria /Finland/Sweden/Norway /Denmark/Greece etc.					
Continent	South Africa/Nigeria /Egypt etc.					
South America	Brazil/Argentina/Chile /Peru/Colombia, etc.	A7670SA	24*24	CAT1	LTE-FDD B1/B2/B3/B4 /B5/B7/B8 /B28/B66 GSM/GPRS /EDGE 850 /900/1800 /1900MHZ	REACH /ROHS /NCC /CE /RCM /FCC, etc
Oceania	Australia /New Zealand, etc.					
Asian	China-Taiwan					
North America	Canada /United States/Mexico	A7670SA	24*24	CAT1	Products not requiring certification in North America can be shipped A7670SA	
		SIM7070G	24*24	CAT-M	SIM7070G is available for products requiring certification in North America.	
Global Edition	Global Edition	A7670G	24*24	CAT1	Global LTE-FDD + LTE-TDD + 2G bands	

3.Key features

4G+WiFi dual network is safer

When Wi-Fi network was cut off, the alarm host will change to 4G network automatically, user can still use mobile APP to remote control it,away arm,disarm or home arm the system via 4G network.



Work with CMS center monitoring station

Golden Security CMS is a security alarm system Cloud Web based platform,this alarm platform is Self-developed by Golden Security, which can be used for unified management of alarm devices, real-time monitoring of alarm events, receiving alarm alert notification, records of the handling of alarm events, users management, and manage the account rights of O&M personnel.



Can dial 5 groups pre-set phone No to inform alarming alert+ send SMS to 5 groups pre-set Mobile No.

When alarm sensors were triggered by intruders,our alarm host will make dial to 5 groups pre-set phone No to inform alarming alert and at the meantime send SMS to 5 groups pre-set Mobile No.,this function is only available when alarm panel was insert the Sim-Card.



G90C is with 99+ wireless alarm sensors

G90C can support over than 99 pcs wireless alarm sensors including wireless PIR motion sensors,wireless door/window contact,wireless water leakage sensor,wireless smoke detectors, wireless gas leakage sensor,wireless CO detectors,wireless SOS panic button,wireless keypad,wireless indoor siren,wireless outdoor siren,etc.



Support OEM/ODM,can customize functions as required

APP is developed by Golden Security, not tuya,suitable for OEM &ODM,we can provide ODMservice, that means customize functions with customer's requirements;we canprovide OEM service that means we can customize both alarm host LOGO and APP logo.



Control your entire system from kooyii smart home App

G90C alarm system is not only working with safety guard APP(which is only with security alarm functions),but also working with kooyii smart home system APP.From kooyii Mobile App,you can turn on the lights,unlock the door,control the temperature,and see what's happening on your front porch,even if you are hundreds of miles away.



G90C Comes with 8 wired zones

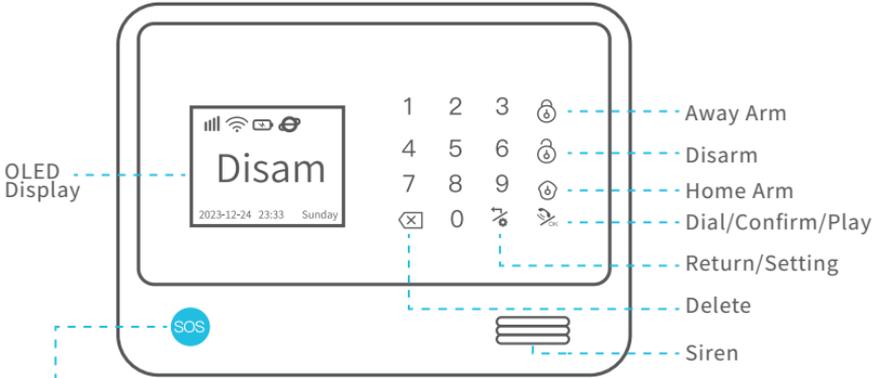
G90C 4G+WIFI burglar alarm system is with 8 wired zones,user can connect with wired beams detectors,wired fence detectors,wired door/window sensor,wired PIR motion sensor, wired outdoor siren etc with it.



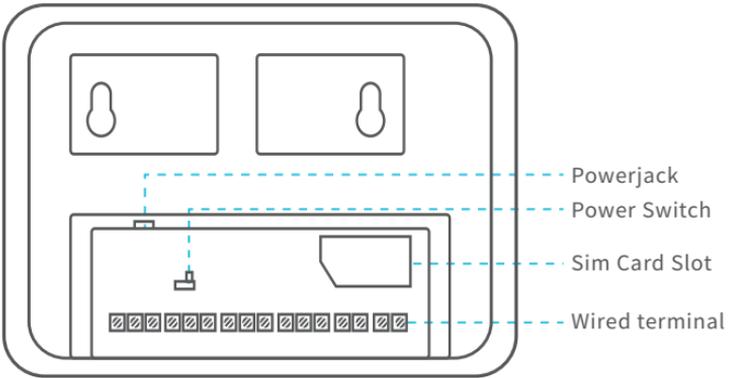
G90C is with rechargeable backup lithium battery

G90C is with built-in rechargeable backup lithium battery,when the AC Power is failure, G90C alarm host will use backup battery automatically.

4.The Front & Back Panel View



Long press SOS button 3s to trigger host alarm



Eight wired zones

12V Power supply

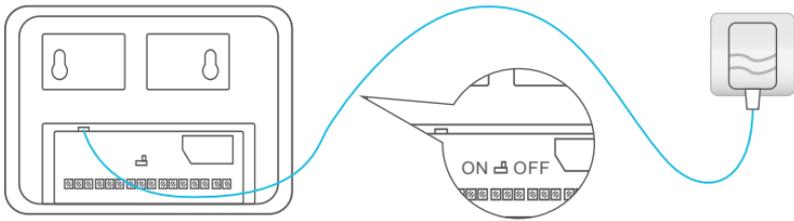
Wired siren terminal

Table 1

Admin password (default0000)	Press  ,input admin password to enter alarm host setting menu.
User password(default1111)	Press  ,input user password to disarm the system

	Disarm	All the all sensors will not work except sensors in 24H defense line.
	Away Arm	All the wireless sensors will under arm status.
	Home Arm	Alarm sensors under the away arm defense line and 24 hours defense line are workable. The alarm sensor in home arm defense line sensors are disable.

7.Connect Wifi network for alarm panel



① Plug the AC adapter to a power outlet

② Then switch on the system

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

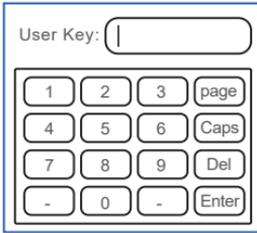
After log in to the main menu,choose"WiFi setting"

WiFi Setting
SSID: jianshu-TD
Password: jianshu123
Scan
Scan complete
OK

User may choose"scan" to search wifi network

WiFi Setting
SSID: 01:JIANSHU...
Password: 02:ChINAnET-3f3R
Scan 03:jianshu-TD
04:JIANSHU_ipc
05:meshtest
06:ColdenGCB

After scan the SSID,the alarm host will find all wifi network name.

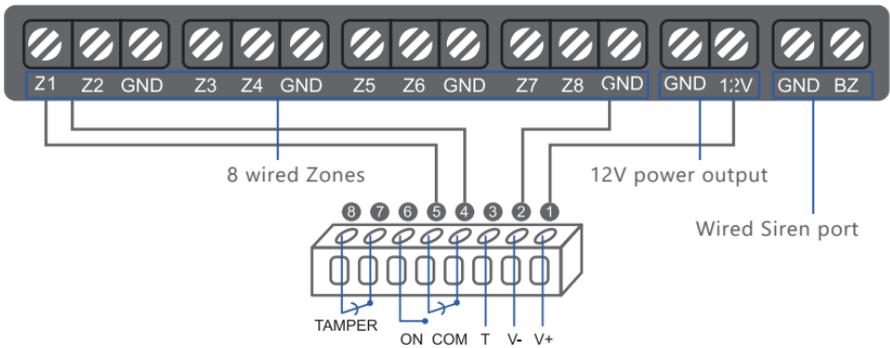


The keys on the left screen need to correspond to the keys on the right panel.

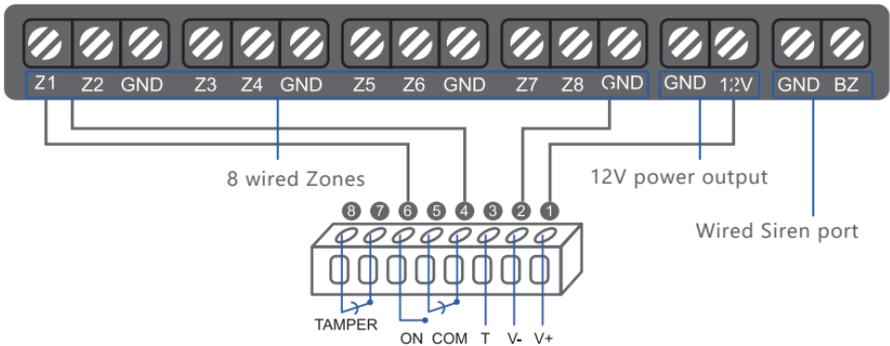


When wifi connect successful , alarm host will display "Connect OK".

13.1. Code the wireless keypad at first step(just keypad available)



The default alarm is set by normally open
(the wiring diagram is shown in the figure above)

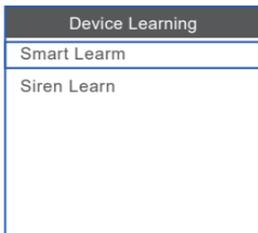


The default alarm is set by normally close
(the wiring diagram is shown in the figure above)

How to learn wireless door sensors



- 1 Log into the main setting menu and choose "device leaning"



- 2 Choose "smart learn"



- 3 The screen will display "Learning..." and choose "door/window sensor"

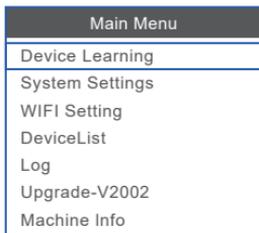


- 4 Separate the two parts of door/window sensor over than 2CM, to trigger it.

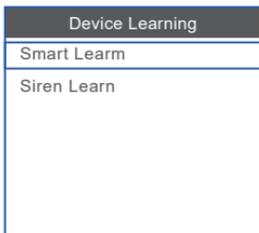


- 5 Press 2 and 8 to choose the main menu, and press 4 and 6 to choose the sub-type.

How to learn wireless remote controllers



- 1 Log into the main setting menu and choose "device leaning"



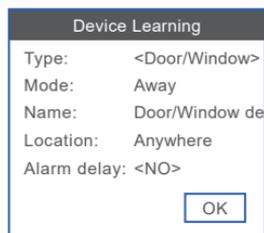
- 1 Choose "smart learn"



- 1 The screen will display "Learning..." and choose "remote".



- 1 press any button of remote controller to trigger it.

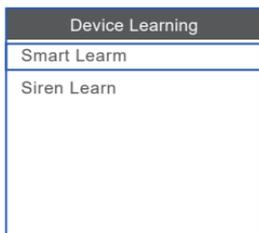


- 1 Press 2 and 8 to choose the main menu, and press 4 and 6 to choose the sub-type.

How to learn wireless PIR motion sensor



- 1 Log into the main setting menu and choose "device learning"



- 1 Choose "smart learn"



- 1 The screen will display "Learning..." and choose



- 1 After connecting power for PIR motion sensor, take movement in front of motion sensor to trigger it, and choose "PIR deceptor"

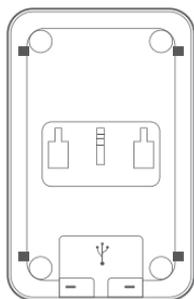


- 1 Press 2 and 8 to choose the main menu, and press 4 and 6 to choose the sub-type.

8.How to code the wireless keypad with alarm panel

Host menu operation, the host into the "intelligent learning" page of the process needs to optimize the intelligent learning, the doorbell is to send an alarm signal device, display triggered accessories to learn, there will be 120 seconds of searching for connecting the device time, this time to match the operation of the alarm, press the button on the front of the pairing.

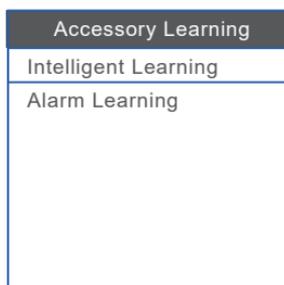
①Pairing Wireless Keyboard



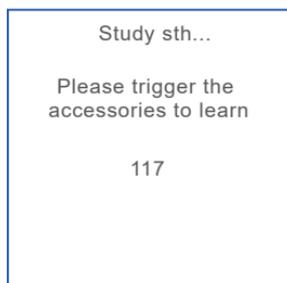
① boot up



② Host Menu Accessory Learning



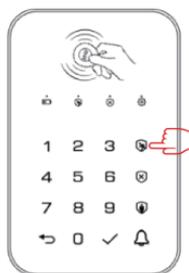
③ Host access to the "Smart Learning" page



④ Trigger fittings are learning

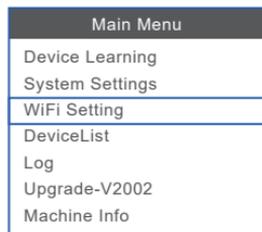


⑤ Click on the finger direction buttons. Press the 1234 user code, press the ↶



⑥ After entering the "1234" user password, tap (👉) to trigger the keypad to enter "pairing mode", the keypad will emit "beep, beep" two times to enter the pairing state.

9. WiFi settings



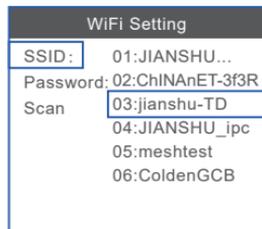
1 Click WiFi Setting.



2 Before joining a WiFi, you need to choose to scan the WiFi that is the closest and best network at the moment.



3 After selecting scan confirmation, click Confirm after selecting the SSID.

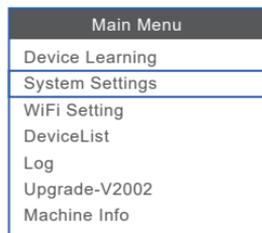


4 Then the wifi will be sorted according to the network speed from fast to slow, just select wifi.

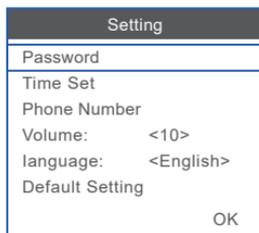


5 After entering the password, click Confirm.

10. Administrator password and user password settings



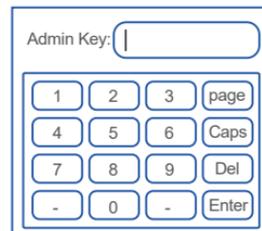
1 Click System Settings.



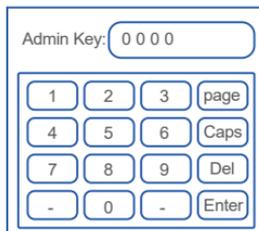
1 Open the main menu page, click System Settings, and select a password.



1 User password, Admin password, ON/OFF (you need to enter the administrator password to enter the settings after turning it on)



4 User password page input



5 System password input (administrator password)



6 After all settings are completed, select Confirm in the lower right corner.

11. Restore factory settings



- 1 Click the Settings button on the home page to open the main menu.

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

- 2 Click System Settings.

Setting
Password
Time Set
Phone Number
Volume: <10>
language: <English>
Default Setting
OK

- 3 Select the Default Setting and click OK.

Restore Factory
Delete Accessories: <YES>
Clear Settings: <YES>
Clear Log: <YES>
OK

- 1 Choose YES of Delete Accessories, Clear Settings and Clear Log. Then click OK.

12. Set time

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

- 1 Click System Settings

Setting
Password
Time Set
Phone Number
Volume: <10>
language: <English>
Default Setting
OK

- 2 Select the Time Set, and click on the OK.

Time Set
Arm delay: <0>(S)
Alarm delay: <0>(S)
Alarming time: <20>(S)
Auto Arm1: 00:00 00:00
Auto Arm2: 00:00 00:00
Auto Arm3: 00:00 00:00
Auto Arm4: 00:00 00:00
OK

- 3 Set the time of Alarm delay, alarm delay, Alarming time and Auto Arm.

13. Number setting

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

- 1 Click System Settings

Setting
Password
Time set
Phone Number
Volume: <10>
language: <English>
Default setting
OK

- 2 Click Phone Number and click OK.

Phone Number
SMS1: 18507063951 <ON>
SMS2:
Tel 1: <ON>
Tel 2:
Tel 3:
Tel 4:
Tel 5: OK

- 3 After the SMS number is set, the alarm host will send the text message to the mobile phone. The mobile phone number can be set to multiple. After setting, click OK to confirm.

14. Volume setting

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

1 Click System Settings.

Setting
Password
Time Set
Phone Number
Volume: <10>
language: <English>
Default Setting
OK

2 Select the volume, left is to reduce the 4 key, right is increase the 6 key. After the setting, click OK to confirm.

15. Switch over the host language settings

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

1 Click System Settings.

Setting
Password
Time Set
Phone Number
Volume: <50>
language: <English>
Default Setting
OK

2 Key 4 is to left and key 6 is to right. Press the keys 4 and 6, select the language you need, and click OK to confirm.

16. List of accessories

Main Menu
Device Learning
System Settings
WiFi Setting
DeviceList
Log
Upgrade-V2002
Machine Info

1 Open the main menu and click on the device list

Accessory Info
Siren alarm 05 24 Hour
SOS button 06 24 Hour
Doorbell 07 24 Hour
Keypad 05 24 Hour
Door/Window...Away
Remote 11 24 Hour
<Page:1/Total:2>

2 Select the corresponding accessory and press the OK key on the host to open the accessory information.

Accessory Info
Type: <SS02B strobe>
Mode: <24 Hour>
Name: Siren alarm 06
Location: Anywhere
Alarm delay: <NO>
Delete
OK

3 There are Type, Mode, Name, Location, Alarm delay. Type corresponding to the model of accessories, generally has been completed, do not need to change.

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

- 4 Mode : 24 hours defense line, occupy home defense line, leave home defense line.

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

- 5 Name: It can be set freely

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

- 6 Location: Set up corresponding address

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

- 7 Alarm delay: You need to set the alarm delay in the Time Setting first, and then turn on the alarm delay in the Accessory Info.

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

- 8 Choose Delete and click OK.

Accessory Info	
Type:	<SS02B strobe>
Mode:	<24 Hour>
Name:	Siren alarm 06
Location:	Anywhere
Alarm delay:	<NO>
Delete	OK

Are you delete?

Cancel

- 9 Are you sure delete, there are Cancel and OK for your option. Click according to your needs.

17. Log settings

Main Menu	
Device Learning	
System Settings	
WiFi Setting	
DeviceList	
Log	
Upgrade-V2002	
Machine Info	

- 1 Click Log.

Log Info	
Alarm log	
Arm/Disarm log	
System log	

- 2 Click Alarm log.

Alarm log	
[01/10 18:12]	04 is triggered
[01/10 18:10]	04 is triggered
[01/10 18:09]	04 is triggered
[01/10 18:09]	04 is triggered
[01/10 18:07]	04 is triggered
[01/10 12:44]	is...
[Page:1/Total:13]	

- 3 Check alarm log information.

System log	
[01/11 09:51]	System online
[01/11 09:49]	System reset
[01/11 09:39]	System online
[01/10 18:12]	System reset
[01/10 18:05]	System online
[01/10 13:35]	System reset
[Page:1/Total:6]	

- 4 Check the system log information.

18. Upgrade the version



1 Click Machine Info.



2. After opening, there is a QR code that can be connected to the mobile phone App. Scan the code, the first line below is the SN code, and the second line is the version number.