GSM-SD WITH CALL,SMS,MMS

MANUAL

The Excellent GSM + Camera alarm system bases on the GSM network, integrates the communication technology, can automatic screen a photo with the intruder or burglar, Save it in SD card and send it to cell phone. So the user can see who break into home or office or factory or shop and so on. This is the unique products of the security products!

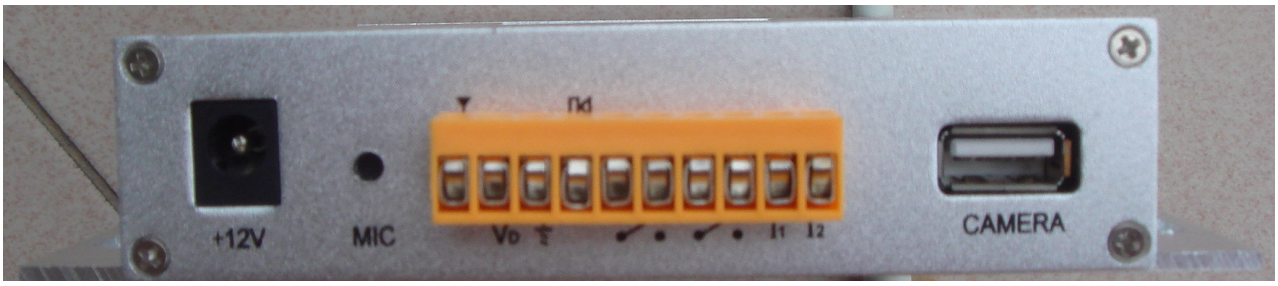
Users' Manual of GSM –SD

With Call,SMS,MMS

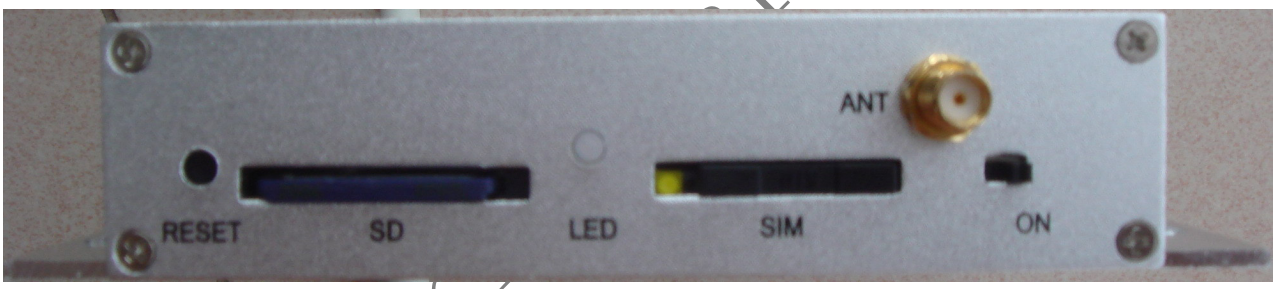
Features:

1.Waterproofing and IR camera for outdoor and night used
2.Built-in back up Lithium battery and auto-charger unit
3.Support 2G SD card to save 28800 photos
4.Image monitoring and detection for moving objects
5. Built-in four- bands, GSM 850 Mhz ,900Mhz, 1800Mhz and 1900Mhz.
6.The picture to be transmitted can be adjusted to QCIF (160x128), CIF (320x240), VGA (640x480)
7.Support GSM and CDMA mobiphome to get MMS
8.Can pre-set 5 groups of alarm Phone Numbers with room No., can call the owner, town police and monitoring center.
9.Can capture thief 's photo and send to computer with fix IP , and you can controll it on line.
10.Can capture thief 's photo and send to owner's cell phone or email box, which provides evidence for case.
11.Can make sure the safety of your home with password operation and control the alarm system by call in and SMS to make it arm, disarm, listen-in and photo-taking.
12.Listen-in function: Can clearly hear the voice, the sound of footstep, dug and breaker.
13.Support outside siren and can be make silence and siren.
14.Built-in two input ports, which can be connected with 2 zone wired detectors.
15.Support 16 zone for wireless detectors
16.Built-in a Relay which you may connect it with Lamp switch and it will auto tune on 3 Min when alarm
17.Built-in a Relay which you may connect it with air conditioning switch , you can call in or send SMS to turn it on or off
18.Easy use controllor to alarm,disalarm, emergency call ,take picture and so on
19.Support all kinds of wireless detectors or sensors, such as wireless PIR Sensors, beams, gas/smoke detectors, wireless panic buttons and so on
20.All the alarm system is wireless, no need to set wire and easy for installation. Special suitable for storeroom, garage and the places where there is no telephone line.

How to identify the port of rear of control panel?



1. DC input, the power must be 12V 2A.
2. MIC input for listen-in function
3. 10-pin ports: ANT, Vdd ,Gnd, Siren, Relay1a, Relay 1b, Relay2a, Relay 2b, Input 2, Input 1.
   The first port----Antenna for wireless detectors
   The second port---Vdd output , for wire detectors use
   The third port---- Ground line
   The fourth port----siren audio output , other port of siren connect with Ground
   The fifth, sixth ports--- inner relay output ,this two ports will auto close 3 Min when alarm happen
   The seventh ,eighth ports--- inner relay output ,this two ports will close or open by you conteoll
   The ninth and tenth ports----input for wired detectors.
4. Camera input port,VD, Tx, Rx, GND



5. Reset key : The alarm system will come back to the original statement when keeping pressing the RESET and connecting the power supply at the same time. The original password is 123456. At this moment, all coded information has been deleted
6. SD Card usd to save picture if you needs
7. LED is used for show the signal status of the base
8. SIM Card ,Press the yellow point next to the SIM port, it will be out for the SIM Card out and input.
9. ANT, antenna for GSM
10. Power on or off

How can I start the base?

1. Delete all telephone Numbers and messages in the SIM card memory or buy a new GSM card,Insert SIM card into the base.
2. Connect CAMERA with the base. And connect antenna with the base.
3. if you have SD card, inset into the base
4. Insert the power supply, The signal status LED turns to red and last for 20, and it will start to search GSM

network. After 20 seconds, the signal status LED is flashing in orange and the alarm system begins to read the information of the SIM memory. It will enter into the status of disarm and indicate Signal LED is go still green. It will be turned to be green and flashing in the status of alarm when you use controller to set the base in alarming.

How can I setup the alarm phone number and SMS?

1. you can send the message to the base to setup the 5 group alarm phone number and 6 kinds of SMS .The format:password #operation code # content #
   123456#51# 13905950001#. save first group alarm phone number into the base.
   123456#52# 13905950002#. save second group alarm phone number into the base.
   123456#53# 13905950003#. save third group alarm phone number into the base.
   123456#54# 13905950004#. save fourth group alarm phone number into the base.
   123456#55# 13905950005#. save fifth group alarm phone number into the base.
2. you can send the message to the base to setup 6 kinds of SMS
   The first two message are for wired port I1, I2, The third message are for wired port I3, but it is not go out , The fourth message is for picture-motion detecting alarm; the fifth message for wireless detectors (door sensors, PIR Sensors and remote controllers) activated alarm. The sixth is use controllor for emergency help. Every message cannot be more than 10 Chinese characters or 20 English characters. The over-characters will be deleted automatically. If no preset message or all message has been deleted, the base will use default message as follows:
   Port I 1 alarm, the message is: ZONE 1 Activated.
   Port I 2 alarms, the message is: ZONE 2 Activated.
   Port I 3 alarms, the message is: ZONE 3 Activated.(not used)
   Picture motion detecting alarm, it is: Image Activated.
   Wireless detectors alarming, the message is: Wireless Activated (zone 1-16).
   Emergency help alarm, the message will be: Emergency call.
   You can rewrite it:
   123456#81# Front door open #. save first group message into the base.
   123456#82# middle door open#. save second group message into the base.
   123456#84# Camera working#. save fourth group message into the base.
   123456#85# Window open#. save fifth group message into the base.

How can I test the base alarm out?

1. Under the disalarm state, with green LED on,you can ues controllor to set the base in arming state, or you can send the SMS (123456#1#1#) to make the base in arming state
2. Under the arming state, with green LED flash on, any end of input (I1, I2,) touches ground, or wireless detectors has been activated, or you passby the camera,the alarm system will send alarm information by SMS, MMS and dialing out stored telephone numbers.
3. It will send SMS and Pictures (MMS) before dial alarm phone numbers. If the SMS and MMS has been closed or limited, It can only dial out the preset telephone numbers. You can make them disarm with remote controllor
4. .When there is alarm, you can answer the phone for listen-in, remote control and press 3# 1# to make the base to play the siren and press 3# 0# to stop it for listen-in function. You can press 1#1# to return to start state and not dial next phone numbers.

5. the base will save the picture inside the SD card if the camrea is avail.

Note: when you dial in,please first enter the passwords (original password is 123456#) before you do it.

How Can I control the base by calling the host phone number (SIM Card number)?

Call in the base and enter password 123456# ,then enter into the programming process of remote control, and then input the following command to set the base:

Com	Function	Com	Function
1#1#	Alarm	1#0#	Disalarm *
2#--#	Apply for pictures(1—20), take 2#1#, Apply for one picture		
3#1#	Sounder immediately	3#0#	Stop Sounder
4#1#	Start to listen-in (use phone key)	4#0#	Stop to listen-in (use phone key)
5#1#	Start to siren out (use phone key)	5#0#	Stop to siren out (use phone key)
11#1#	Need siren sound when alarming *	11#0#	No siren sound when alarming
12#1#	Sending SMS when alarming *	12#0#	No Send SMS when alarming
13#1#	Sending MMS when alarming *	13#0#	No Send MMS when alarming
15#1#	Dial phone number when alarming *	15#0#	Just alarm and no dialing
16#1#	No set Relay close 3 Min when alarm	16#0#*	Set Relay close 3 Min when alarm*
21#--#	Set picture size(0—2), 0 --for160x128; 1*-- for 320x240; 2 --for 640x480		
22#--#	Times of photo-taken when alarm (1—20), take 22#1#, send one pictures when alarm *		
23#1#	Set the IR back light on (not used)	23#0#	Set the IR back light off * (not used)
24#1#	Set Picture motion detect alarm on *	23#0#	Set Picture motion detect alarm off
27#--#	Set the sensitivity of camera(1—99)..1 is high sensitivity and 99 is low sensitivity, 15 *		
30#	Show arm or disarm of the zone		
31#--#	Change password. Enter a new password (1—6 bit).		
32#1#	Set ENGLISH version	32#0#	Set CHINESE version *
38#--#	Set on alarm of zone (wireless zone: 1—16; wire zone: 21—23)		
39#--#	Set disalarm of zone (wireless zone: 1—16; wire zone: 21—23)		
40##	Show MMS setup in the base (41#----46#)		
41#--#	Set Access Point Node (APN):		
42#--#	Set MMS User name (User):		
43#--#	Set MMS Uesr Password (Pass):		
44#--#	Set IP Address (IP):		
45#--#	Set Port (Port):		
46#--#	Set MMS Homepage (MMS Home):		
50##	show preset phone number in the base		
51#--#	First group phone number(0—15bit)	52#--#	Second group phone number(0—15bit)
53#--#	Third group phone number(0—15bit)	54#--#	fourth group phone number(0—15bit)
55#--#	Fifth group phone number(0—15bit)		
60##	show Email address in the base		
61#--#	Set First Email address(0—31bit)	62#--#	Set Second Email address(0—31bit)

70##	Show center phone number.		
71#--#	Set PSTN monitoring center phone number. 71# center number # room No. #		
72#--#--#--#	Set Time interval Reporting 72# (center number 0-15bit)#(Time interval 1-99hour)# (Type 0-2)# Type: 0---send SMS;1---send MMS;2--- send SMS and MMS		
78#--#	Set Dial out phone number whan you make base change to alarm status(this phone do not answer)		
79#--#	Set Dial out phone number whan you make base change to disalarm status(this phone do not answer)		
80##	show preset SMS in the base		
81#--#	Message(0—24bit) for wire I1 alarm	82#--#	Message(0—24bit) for wire I2 alarm
83#--#	Message(0—24bit) for wire I3 alarm	84#--#	Message(0—20bit) for camrea alarm
85#--#	Message(0—20bit) for wireless alarm	86#--#	Message(0—20bit) for emergeney
90##	show Output in the base		
91#1#	Set Output 1 to high(Relay close)	91#0#	Set Output 1 to low(Relay open)
92#1#	Set Output 2 to high(Relay close)	92#0#	Set Output 2 to high(Relay close)
93#1#	Set Output 3 to high	93#0#	Set Output 3 to low
94#1#	Set Output 4 to high	94#0#	Set Output 4 to low

Note:

1. above table, ' * ' stand for approves
2. In the above phone operation, one long beep shows successful, two short beeps shows failed, you should try again.
3. In the above table, some commond operation is suitable for SMS setting.

How can I setup the Special function of the base by SMS?

You can send a SMS message to modify the base setting, its format is:
Password # Command order #Parameter#.

123456#1#1#", controll the base to enter into arming state.
123456#21#2#, change the size of the picture to 640x480(big size)
123456#31#888888#", change the password into 888888.

1. Set Email address:
   123456#61# 269999@163.com # , First Email address: 269999@163.com
   123456# 62# zy9038@hotmail.com # ,Second Email address: zy9038@hotmail.com
2. Set PSTN monitoring center:
   You also can save: phone number # room No. #, it will dial the room number when alarming.(for the users whose alarm system is working with monitoring center)
   123456# 71# 88886666 # 0001 # , show monitoring center:88886666; room No.0001
3. Set Time interval Reporting.
   72# (center number 0-15bit)#(Time interval 1-99hour)# (Type 0-2)#
   Type: 0---send SMS;1---send MMS;2--- send SMS and MMS

If you send :123456# 72# 13900000000#12 #2#

This means this base will send SMS and MMS to the mobiphone number 13900000000 every 12 hour.

4. whan you use controller or other way to set the base from disalarm to alarm status (the signal LED of the base from still green change into flashing green), the base will dial out the phone number (this phone need not answer, but it know the base call in) , if you inter: 78#13900001111# ,this means the base will dial 13900001111 when you make the base into alarm status.

   whan you use controller or other way to set the base from alarm to disalarm status (the signal LED of the base from flashing green change into still green), the base will dial out the phone number (this phone need not answer, but it know the base call in) , if you inter: 79#13900002222# ,this means the base will dial 13900002222 when you make the base into disalarm status.

5. Set MMS parameter in the base.

   As in **CHINA** ---- MMS settings :
   Access Point Name(APN): CMWAP
   Gateway IP (proxy) address(IP): 10.0.0.172
   Username:
   Password:
   MMS Message (Relay) Server URL: http:/mms.monternet.com

123456#41# CMWAP #	Set GPRS Access point.
123456#42# #	Set MMS Uesr name. (empty)
123456#43# #	Set MMS Uesr Password. (empty)
123456#44# 10.0.0.172 #	Set IP Address.
123456#45#9201#	Set Port ,
123456#46#http:/mms.monternet.com #	Set MMS Homepage.

5. The setting way is the same with telephone number setting. The base will reply you a message for confirmation when it carry out your application. So user will know the working state of the base.(arm, disarm or alarm)

   You also can only send the password to check out the present state of control unit. The replied message as follows:
   Disarm, Siren-ON, SMS-ON,MMS-ON,Phone-ON,Pic-Middle; Pic-1,Infraled-OFF,
   Pic-Moniter-ON,Cam-sensitivity15

How can I add more detectors?

You can add new sensors or detectors, such as wireless door sensors, PIR Sensors, gas and smoke detectors when you push the reset key untill the LED change from green to red. You should trigger every sensor or detector, and the red LED will flash and shows successful every time you register one sensor or detector with control unit. After you finish doing it,you can push the reset key again or waitting 20 seconds, it ends and automatically enter into working state.(with green LED)

How can I trigger the detectors?

I said the way of adding more detectors if needed, but how to trigger the detectors?
First, as we all know, every detector has its unique ID. It must be registered with the base so that it can be identified during working. When it detector detect something, it will send signal to base .If

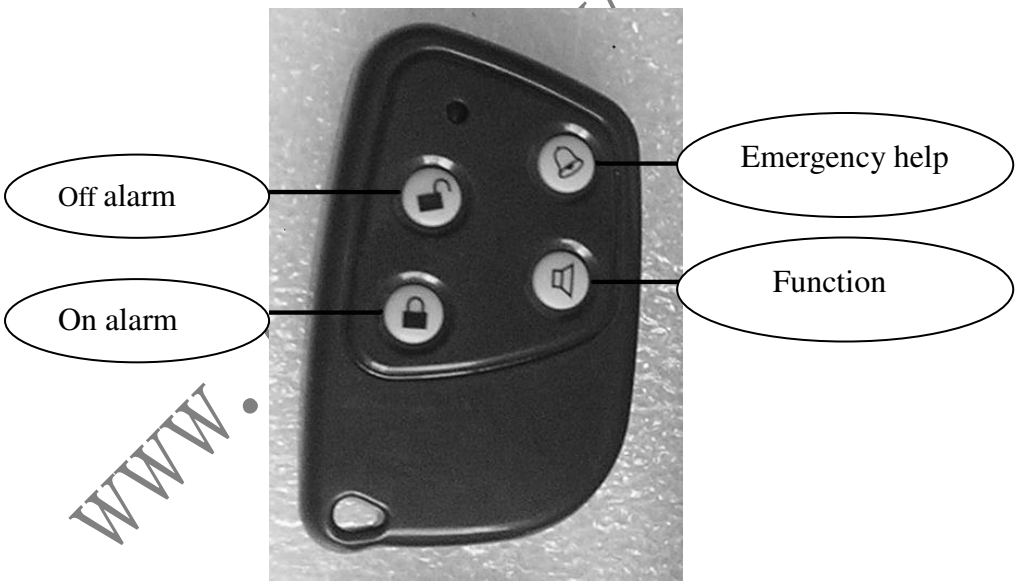
it did not register with base, the base would not identify it and could not receive the signal, so the alarm will be failed.

Before registering, please collect all detectors and make sure their battery inside and can work normally. When the base is ready ,LED will show green or flash green, you can push the reset key untill the LED change from green to red. This time you can start to register them. For, door sensor, just remove the two parts of door sensor and remove back, it will beep or flash red which shows successful. And for PIR Sensors, you can turn the switch to “on” and the system will beep or flash red which shows successful and then turn it to “off” to avoid wrong alarm. For remote controllers, you can press Emergency call on its panel (four keys on it), and the system also beeps or flash red. For gas and smoke detectors, there is a black switch on the left side; you can press it to register it with base.

How Can I cancel the lost detectors?

It often happens that some of coded detectors are lost. It is not safe for your home, but do not worry, you can cancel the coded information of this detector so that It can not control your alarm system. But how to do it? It is very simple, just reset the alarm system by keeping reset button and power the system and then beep or LED flashes, it shows reset is successful. All registered detector have been deleted. You can register them again with the above solution. But the SMS message was not changed.

How to control the control unit with remote controllers?



There are four or three keys on its panel.(see the picture): arm, disalarm, emergency help, function.

1. When you press, “alarm”, the signal LED of the base will be turned green with flashing. It shows it is in arming status, at this moment, it will alarm and dial out when you remove the door sensor, switch PIR Sensor, go across from the front of camera and so on. The LED will

turn to red, which shows it is alarming.

2. When you press, “disalarm”, signal LED of control unit will be turned green and does not flash. At this moment, It won’t alarm and dial out.

When you press “Emergency help”, it will alarm and send MMS and SMS no matter it is under arming status or disarming status. The Signal LED will be red with flashing, which means it is alarming. .

How to identify the **SIGNAL** LED on the base ?

The SIGNAL LED is used for show the signal status of the base. When power on, the indicator ”SIGNAL” turns to red and last for 20 seconds, and it will start to search GSM network. After 20 seconds, the indicator “SIGNAL” is flashing in orange and the alarm system begins to read the information stored in SIM memory. It will enter into the status of disalarm , Signal LED is green. It will be turned to be red and flashing in the status of disarm.

How to Connect a sounder?

If you choose to use the internal sounder supplied then connect the black wire to the ground terminal and the red wire to the siren audio output terminal.
Please refer to separate instructions provided with your external sounder for connection details.

How to Connect conventional wired devices?

The system has two input channels which are configured to monitor any conventional normally closed (NC) security products such as door contacts, PIR movement detectors etc. You may connect many devices to the inputs using parallel connections as indicated in the diagram below.
Bespoke applications can also be catered for such as machine monitoring by simply wiring a fault contact from your equipment to the monitoring inputs.
Typical examples of bespoke applications would be low fuel switch monitoring, heating failure or refrigeration failure. We would be happy to provide specialist advice for such applications.

How to Connect switched output devices?

The system has two on-board inner relay output that can be controlled by your telephone. In the event of an alarm situation these devices can be activated. For example an additional sounder may be activated once you have established that the alarm is genuine by ‘listening in’ to the system on board microphone system.
It is also possible to simply control devices by telephone when you are away from your property. You may switch on or off a light, radio or heater. Switching of such devices requires a small relay. Please contact us for details and advice on your application. We would be only too happy to assist.
An on board relay is also provided again to allow your to remotely switch equipment via your telephone. This relay can be activated when the system is armed or disarmed.
Bespoke applications such as machine monitoring may utilize the on board relay to switch off plant in the event of a fault being detected.

Standard pack components

1 the alarm system
1 wireless infrared detector
1 wireless door magnet detector
1 internal alarm sounder
2 remote controllers,
1 12v dc power supply
1 232-port motion-detecting camera
1 instruction manual

Additional products

PIR Detectors

Smoke Detectors

Break sensor

Door / Window Contacts

Remote Controls

LPG Gas Detector

Technical Parameters

Operating voltage: DC6V
Average power: AC/DC exchanger 2A.
Wireless receiving distance: ≥ 100m
Operating Frequency: 315MHZ or 433.92, 900-1800MHZ Customized.
Operating voltage: 12V/220/110VAC
Wireless receiving distance: ≥ 100m-250m

Outer Alarm Siren Volume: 110 db
Working Condition: Temperature －10℃～+ 40℃
Humidity ≤ 90%
Capacity for Wireless Device: 32

Wireless Gap Detector
Power Supply: DC12V(inner 12V battery)

Static Current: ≤20 uA
Transmission Current: ≤15mA
Transmission Frequency: 315/433MHZ±0.5MHZ
Transmission Distance: No obstacle 80m
Interval Distance: 15 mm
Working Condition: Temperature －10℃～+ 40℃
Humidity ≤ 90%

Wireless P.IR Detector
Power Supply: DC9V (inner 9V battery)
Static Current: ≤100 uA
Transmission Current: ≤20mA
Transmission Frequency: 315/433MHZ±0.5MHZ
Transmission Distance: No obstacle 80m
Detective Speed: 0.3～3m/s
Detective Distance: 5～12m
Detective Range: Horizontal 110° Vertical 60°
Working Condition: Temperature －10℃～+ 40℃
Humidity ≤ 90

Remote Controller
Power Supply: DC12V (inner DC12V battery)
Static Current: 0
Transmission Current: ≤15mA
Transmission Frequency: 315/433MHZ±0.5MHZ
Transmission Distance: No obstacle 80m
Working Condition: Temperature －10℃～+ 40℃
Humidity ≤ 90

Basic component:1 Main Panel, 1 Wireless infrared detector， 1 Wireless

Door magnet detector, 1 Alarm horn, 2 Remote controllers, 1 Power supply.

Chosen component: wireless gas detector, wireless smoke detector,

Panic button, signal transfer, baluster.

The specification of GSM Home Alarm with photo taking:
Stand-to current: 20mA.
Working volt. : 9V-12V
Working temperature: -40—85
Support GSM900, 1800, and 1900Mhz., three working modes.
Support PHASE 2/2 agreement (including data business)
Sending power: Class10 (2 w)/ EGSM900 and CLASS 1(1W)/GSM1800
Receiving code: ASK
Receiving frequency: 315 and 433Mhz.
Remote distance: 100 meters.