User Manual of GSMIP Alarm System

Please read the user manual before you use the system

The user manual is used for GSMIP01, GSMIP01B, GSMIP04, GSMIP04B

Chapter One: Features and Functions

1. This system use SIM card,supporting MMS. When it alarms, it will take photos and send to your cell.

2. It supports 3 channels external high resolution CCD night-vision IR cameras. These four channels video cameras can match to wireless alarm accessories, if you preset door sensor in zone 1 match to the first channel of video camera, when the door sensor is triggered, the 1stCH camera with take photos and send pictures to your cell. You can add this system to have MMS alarm function on existing video network.

3. The systems has one wireless keypad, you can use it to program the systems. For example, you can preset the telephone numbers and wireless accessories learning,etc. It is easy for operating.

4. It supports listening in to the spot remotely function. When it alarms dialing out or users can dial back to the system for listening what's happening.

5. It can take sequency pictures, you can set how many pictures to be snapped when alarm.

6. You can get pictures from any one of the cameras by sending SMS commands.

7. Support SMS commands control function.

8. It works with accessories up to 40pcs and 5pcs remotes.

9. Remote controllers to arm or disarm the systems. PIR sensors can be disarmed separately and emergency alarms.

10. You can set different picture size which sent to your cell.

11. Video can be recorded in SD Card. Recording when alarm, or all day recording is optional. (One hour recording takes about 300MB to 400MB,4G can covers about 12 hours. It

will replace the earliest video when it is full.)

12. Power failure alarm, with built-in Li-battery, will send SMS to inform when power is failed.

13. Built-in IP Cam functions: M-PEG4 compressed format, color 1/3 " SHARP CCD 420 TV lines image sensor. 6mm lens, visual distance is 15m, high resolutions D1 image, remote/local monitoring and instant recording, instant pictures snapping, multiple recording ways, multiple user viewing. Support IE view, Combined all-orientation PTZ, functional decoder & IR together, can be controlled remotely by mouse up and down, left and right.
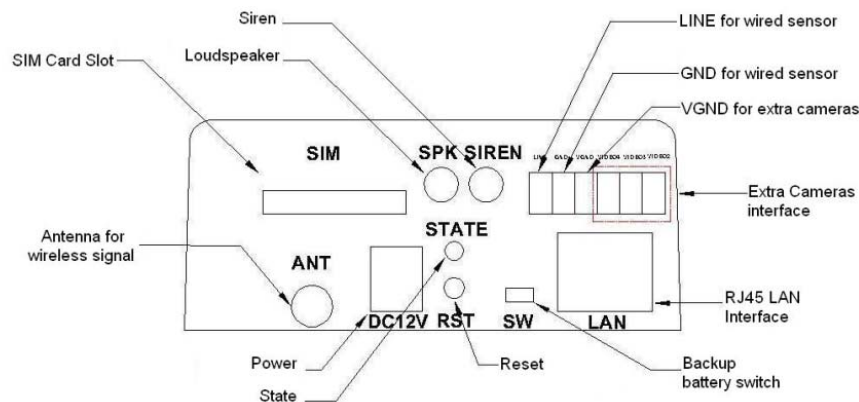
Chapter Two: Installation

A. Put the system in a suitable place which has good signal to receive GSM signal.

B. You can see the SIM card slot on the back of the system, press the yellow dot with a small screw driver to take the slot out, and then put your SIM card in it.

C. Connect siren and power adapter into the jacks. After a 'B' sound, the system starts initializing. If there is Li-battery in the system, please switch on the backup battery.

D. The system starts self-checking the GSM network and logging in, it takes about one minute to initialize the system. And you will see the **STATE** indicating light flashing when initializing.

E. After it is initializing successfully, you will hear a long sound of "B", **STATE** indicating light stops flashing, and be constant on, it is in armed state. Now the green indicating light of network, will be in a slow flashing state, it means the GSM network is OK. If the network initializing is failed, you will hear continued short sound of 'B', it means it doesn't find GSM network, or the system is not started successfully. The system can't dial out now, only can be used as a local alarm system. Different jack and interface are as below:

Chapter Three: Quickly Instructions

When you use the system for the first time, change the password on the wireless keypad with commands as below.

1, Change password: **#7* password (1234) #**

2, Reset the system: **#9*691234#**

3, Program telephone numbers: **#1*telephone No. #**

4, Set SMS receiving cell number: **#0*1*cell No. #**

5, Set MMS receiving cell number: **#0*2*cell No. #**

6, Select the Pixel of MMS pictures: **#9*40+? (1-3)#**

?=1 Smallest size, 176x144, most cell can display which

support MMS.

?=2 Medium size, 352x288

?=3 Largest size, 720x576, if your cell can't support it, you can't see it in your cell.

7, As default, The alarm procedure is: Sending SMS, sending MMS, at last dialing out. Press **#** to exit the alarming call. Press   **#9*13#**   on the keypad, the system will send SMS first, then send MMS, finally dial out. (**Default Setting**)

Press   **#9*12#** on the keypad, the system will send SMS first, then dial out, and then press * to send MMS next before Exist. Or press # without MMS sending to exist.

E.g., when you pick up the alarming call, press 1 to monitor, press 2 to start the siren hooting, press 3 to close the siren, press 4 to arm the system, press 5 to disarm the system. Press "*" you will get the MMS at once, press # to confirm the alarm without MMS sending.

8, If you want to record the videos when alarming, press **#9*34#** on the keypad to switch on recording function of the system.(as default it is closed).The default recording

time is 1 minute, you can change it with commands **#9*53+two digit numbers (minutes) #**

After you start the video recording, please operate as below:

a, Put the SD card in the system.

Note:(for the first time, please change the SD card format as FAT before you input it into the system from PC.)

b, Before you take out the SD card to check the video, Disarm the system on remote controller and wait for 5 seconds.

9, After the settings on above, you can trigger the system by the door sensors or emergency alarm on remote controller, the system will be in arm state. When it is alarming, the STATE indicating light will flash quickly, if the siren hooting function is set to be on, it will start hooting. As default the system will send MMS or SMS then dial out the first group telephone No.. If the door sensor triggers the system, the IP camera will turn to the preset position to take photos and send MMS to your cell.

10, The MMS will be delayed by weak GPRS signal. If the picture is of low pixels, it is caused by your cell, you can change a cell which of high pixels. If the MMS pictures can't be displayed, change the pixels set as the smallest size. Press **#9*401#** to set it.

Chapter Four: Functions Configuration

All the functions below can be configured by wireless keypad, or on the Internet Explorer interface, for details, please refer to the instructions of the IPCAM Part.

1. Program alarm phone numbers

Press"# ?*phone number # ", when you press the each key there is a 'B' sound to indicate it is OK." ?" means which group you want to program the alarm phone, you can program 6 groups of alarm phone number."?" covers 1-6.

For example: The first group of telephone number can be programmed as 075512345678,you should press:**# 1 * 0755 12345678 #**. If you want to set the sixth group of alarm phone number as 075512345678, you should press**" # 6 * 0755**

12345678 # " . You can set extension number as the alarm phone number as well. For the exchange telephone number is 12345678,and the alarm extension number you want to set as 8011, you can press commands as below.:**#1*12345678*8011#**. If it is OK, you will hear one short & one long "B" sounds, if it is wrong your will hear continuous "B" to indicate the wrong input or format.

2. Program SMS receiving cell phone number

Press commands as below on the wireless keypad:**# 0*1 *** **SMS cell phone number #**

3. Program MMS receiving cell phone number

Press:**# 0*(2 ～ 6) * MMS cell phone number #**,on wireless keypad. You can program 5 groups of cell phone number to receive MMS pictures.**(2～6)**indicate the group of the cell numbers. For example, for the first group of MMS cell number, you can press **# 0 * 2 *MMS cell phone number #** on the keypad, for the second group, you press commands as **# 0 * 3 * MMS cell phone number #**

4. Setting Sound/Mute alarm

Sound alarm, press **# 9 * 11 #** on the wireless keypad.

Mute alarm, press **# 9 *1 0 #** on the wireless keypad

5. Turn on siren sound accompanied with remote control

Press" **# 9 * 21 # "** to turn it on. When press buttons on the remote, the siren will respond a sound to indicate your commands is right.

6. Turn on siren sound accompanied with remote control

Press" **# 9 * 20 # "** to turn it off. When press buttons on the remote, the siren won't make a 'B' sound to respond.

7. Set the siren's hooting time(0—99 minutes)

Press"**# 9 * 52 ??# "**, **"??"** means siren's hooting time when alarming, for example,**"# 9 * 5205 #"**, the siren's hooting time is 5 minutes. If you want to make the siren hoot all the time when alarming, you can press **"# 9 * 52 * # ".** Then it will hoot all the time until it is disarmed by phone or remote or other operation ways.

8. Set time delay to arm (0—99 seconds)

Press"**# 9 * 50 ?? # "**, **"??"** means the time delayed to arm,for example you can press"**# 9 * 50 05 #"** .When it is armed, it will be 5 seconds delayed to be in armed state.

9. Set time delay to alarm(0—99 seconds)

Press**"# 9 * 51 ?? #** "**, "??"** means the time delayed to alarm. If you press**"# 9 * 51 05 #"**, when it alarms, there will be 5 seconds delayed to make the alarm call.

10. Setting password

Password is used to avoiding mistake or illegal operation. You need the passwords to code the accessories into system and remotely operation.   Press**" # 7 *four digits password   # "**,as default it is 1234,if you want to change it as **6789,**you need to press**" # 7 * 6789 # ".**

11. Add new remote controller

Press**" # 9 * 90   four digit password # "**on the wireless keypad, then press any button on the remote in time, the remote will send signal, after the system get the signal, there will be one short and one long "B" sound to indicate your correct operation.

12. Add new wireless accessories

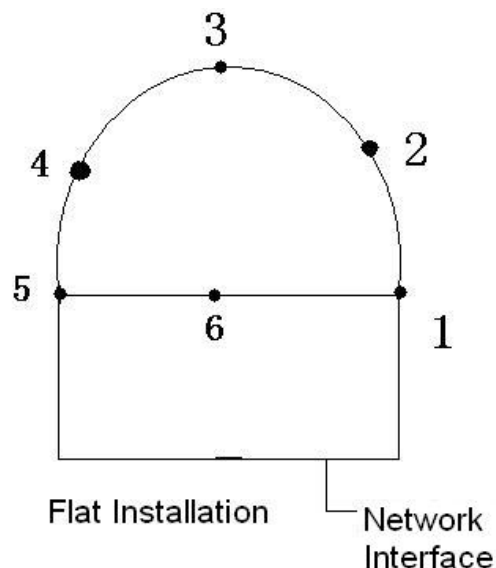Press **"#9*90+password+(1-4 video channel)+ (1-6 preset point) +(two digits accessories defense zones)+#"**,then trigger the wireless accessory you want to match it, when it is recognized by the system, there will be one short & one long "B" sound to indicate your correct operation. There are 6 preset points from left to right of the host, every 60 degree each preset point.

For example: door sensor alarms, and the presetting is like this: video channel is 1st , preset point is 4th . When door sensor is alarming, the PTZ will turn to Point 4th , and snap the pictures send to your cell by MMS. If you set MMS pictures sent to your cell as 3 pcs, then when the door sensor alarms, the PTZ will take the first photo at point 4, then turn to point 5 to take the second photo, then point 6 to take the third one, and send MMS pictures to your cell one by one.

(**Refer to remark 1 to get accessories corresponding defense zones)**

Flat Installation — Network Interface

13. Delete all the remote controls

Press " **# 9 * 91   four digits password   # "**on the wireless keypad to delete all the remote controls, there will be one short & one long "B" sound to indicate your correct operation.

14. Delete all the wireless accessories

Press**" # 9 * 92   four digits password # "** on the wireless keypad to delete all the accessories, there will be one short & one long "B" sound to indicate your correct operation.

15. Turn on/off AC Power failure alarm

Turn on: Press " **# 9 * 94   1   # "** on the wireless keypad.

(After it is turned on, when the AC power is shut off, it will send SMS to inform you.)

Turn off: Press" **# 9 * 94   0   # "**on the wireless keypad.

16. Remote setting ring times

This function can restrict the ring times of calls, commands are"**# 9 *   7   ? # "** ,"?" means the ring times from 0-9.   0 means remote calls are forbidden.

17. Reset the system

Press" **# 9 * 69 four digit password # "** on the wireless keypad. After the system is reset, the default settings are as below: Siren accompanied sound is on, sound alarm, siren's hooting time is 1 minute. Alarm phone numbers are cleared off.

Note: When press the each button on the keypad, there will be one 'B' sound accompanied, there will be two continuous "BB" sound to indicate operation correctly. If your operation is incorrect, there will be 5 continuous 'B' sound as indication.

18. Set alarm preset point

Alarm preset point function ON: "# 9 * 31 #"

(System default setting as like this)

Alarm preset point function OFF: "# 9 * 30 #"

(Note: Alarm preset point, e.g. when the alarm occurs, the lens will turn to the point which the accessories match.)

19. Set the size of MMS pictures

Small Size: Press"# 9 *4 0 1 #" on the wireless keypad.

Medium Size: Press"# 9 * 4 0 2 #" on the wireless keypad.

Big Size: Press"# 9 * 4 0 3 #" on the wireless keypad.

(For details, please refer to remark 3)

20. Set how many pieces MMS pictures sent when alarm

Press"# 9 * 4 1 ?#","?" means the pieces of MMS pictures sent, at most 5 pieces, "?"is from "1－5".If you want to set is as 3, commands are"# 9 * 4 1 3 #".

21. Set to dial 1ˢᵗ phone number firstly or send MMS firstly when alarm

If you want to dial out the alarm phone number at first when alarming, press"# 9 * 1 2 # " on the wireless keypad.

If you want to get MMS pictures firstly,and then dial out, press"# 9*13#" on the wireless keypad.

22. Set video record when alarm

If you want to record the videos when alarming, press " ＃9＊34 ＃ " on wireless keypad to turn it on. If you do not want to record the video, press " ＃9＊35＃ " to turn it off. As default, it is closed. And when recording, SD card is necessary.

23. Set video record time when alarm

Press " ＃9＊53+(two digits time)+# "

For example, if you want to set the record time as two minutes, press # 9 *53 02# .As default, the video record time is 1 minute.

Chapter Five: Control by SMS command

A. Turn on /off alarm SMS alert function when alarm

Firstly set alarm SMS receiving No.: **"#0*1*phone number#"** on the keypad. For example, if the phone number is 138121345678, press **# 0 * 1* 138121345678 #** on keypad,

while alarm is triggered, this phone number will receive an alert SMS.

Press **# 0 * #** on keypad, then you will hear "BB" sound for confirmation. It won't send SMS to mobile while alarm is triggered.

B. SMS remotely control function

When you are out, besides phone call, you can also send SMS to control the alarm system.

For example, the system password is 1234, if you want to arm the system, just program SMS as "**1234ARM"**, then the alarm will send you a SMS **"Host is activated".**

Here below is the SMS control command:

Arm: Password +ARM (i.e. 1234ARM)

Respond SMS: Host is activated.

Disarm: Password +DISARM (i.e. 1234DISARM)

Respond SMS: Host is Deactivated.

Start siren: Password+ ONSIREN (i.e. 1234 ONSIREN)

Respond SMS: The Siren Is Opened.

Close siren: Password +OFFSIREN (i.e.1234OFFSIREN)

Respond SMS: The Siren Is Closed.

Check current status: Password +CHECK (i.e."1234CHECK")

Respond SMS: "Host Is Activated" OR "Host Is Deactivated", depending on current status.

C. SMS control MMS sending function

Send: **password+MMS+1 channel video (1—4 optional) +Picture size(S or M or L) + quantity of MMS picture sending (1—5 optional) + preset point (1-6 optional)**.

For example: the 1st channel video is in the living room, now you want to see the 1st video, the second preset point and want to receive 1pcs medium size picture, then you can send SMS like this: **"1234MMS1M12"**

Chapter Six: Instruction for the remote controller

Arm: 🔒 Alarm panel is in arm state. Press this button, the Alarm LED is on, the panel is in armed status, once any detector is triggered, it will call out or send SMS to preset phone number.

Bypass: ⚡ Disarm certain zone separately. (Press this button twice, it can disarm certain detector separately)

Disarm: ◼⌒ Disarm the system, all the detectors triggered won't make alarm except emergency alarm.

Emergency: ⌂ Emergent alarm. Press this button, the alarm LED on main panel will be on, and the panel will call the preset phone numbers and the siren will hoot.

Chapter Seven: Instructions for the Alarm System

1. Arm/Disarm

A. Press " ◼⌒ "to arm after locking the door when go out, you will hear 2 "BB" sound, it means the alarm host has been in arm state. Any one illegally enter detecting area will occur alarm.

B. Press the " ◼⌒ " on the remote controller to disarm the host when be back home. It means the alarm panel is released, you can open the door to come in.

2. Emergency alarm

Press " ⌂ " on the remote controller when accident happens at home, the alarm will hoot and the system will dial the telephone numbers pre-set automatically.

3. How to deal with the alarm calling

When alarm, the system will auto dial the phone numbers, if user fail to get thru the call within 40s, it will auto dial the next group phone number recyclly. When received alarm call, you will hear voice instruction, press "1" to monitor, press "2" to start the siren, press "3" to close the siren, press "4" to arm, press "5" to disarm, press "*" to confirm and exit.

4. How to control when far away

When you are out and forget arming the system or other remotely control, you can operate like this: Dial back to the phone which connected with the alarm system, it will remind you to input the password. There will be voice indication if password is right/wrong input(3 times wrong input, the phone will hang up by itself.). If right password is input, you can start

to remotely control.

"1" monitor, "2" start siren, "3" close siren, "4" arm,"5" disarm,

"#" confirm and exit.

Chapter Eight: Main Technical Parameters

Power Adapter:　Input 100V~240V/50Hz ; Output 12V DC

Working Temperature　　　-10℃ ~ +45℃

Reserve Temperature　　　-20℃ ~ +60℃

Relative humidity　　　　10 %~ 90%,(no freezing)

GSM frequency:　EGSM900, GSM1800, PCS1900

Communication Protocol: GSM PHASE2/2+(includes database operation)

Way of Wireless sensor receiving:　　ASK

Wireless sensor/remote controller receiving frequency: 315/433MHz

Quantity of wireless detectors:　20 pcs

Wireless detector receiving distance: 60m (no barrier)

Picture Format:　JPEG

Picture Pixel: PAL(176X144)(352X288)(720X576)
　　　　　NTSC(128X960)(352X240)(640X480)

Chapter Nine: Instruction List

#0 *(2---6)*+ phone number+# ------------set MMS receiving phone number

#0*1*+phone number+#----------------set SMS receiving phone number

#(1—6)*+ phone number +# --------------set alarm phone number

#7*+password(4 digits)+# --------------------change the alarm panel password

#9*69+ password(4 digits)+# -----------------Host recover

#9*10# ---mute alarm

#9*11# --------------------------sound alarm (siren hooting time must be set >0)

#9*12# ----------------- ----------open auto dial 1st group phone number firstly

#9*13# ----------- --------------- close auto dial 1st group phone number firstly

#9*20# ---------------- ------------close siren accompanying sound

#9*21# -------------------- ------ start siren accompanying sound

#9*30# -------------------------- Alarm preset point function OFF

#9*31# ------------------------ Alarm preset point function ON

#9*32# --------------------------set to send SMS when alarm

#9*33# ------------------------ set to send MMS when alarm

#9*34# ------------------------ start to record when alarm

#9*35# --------------------------close to record when alarm

#9*4+0+1# ----------------------set picture as small size

#9*4+0+2# -------------------- set picture as medium size

#9*4+0+3# -------------------------- set picture as large size

#9*4+1+ (1-5)# ----------------------set receive picture pieces when alarm

#9*7(0-9)# ----------------------- set remote ring times

#9*50+(00s-99seconds)# ----------------set arm delay

#9*51+(00s-99seconds)# -----------------set alarm delay

#9*52+(00m-99minutes)# ----------------set siren hooting time

#9*53+(00m-99minutes)# ----------------set alarm record time

#9*90+password+01# ----------------------program remote controller

#9*90+ password +(1 digit video zone code)+(2 digit wireless sensor zone code)+#---------------------------------------program wireless sensor

#9*91+ password +# -----------------------delete all remote control

#9*92+ password +# --------------------- delete all wireless sensors

C. Set the MMS picture by SMS command

Send: SMS of "Password + MMS + 1/2/3/4(channel no.) + S/M/L (picture size) + picture no. (1 to 5)"

Remarks 1

Different defense zones corresponding sensors.

01, 03, 05, 07, 10-19, 30-39 for door sensor

02, 04, 06, 20-29 for PIR sensor

08 for smoke detector

09 for gas detector

For Example:

If you install the door sensor to the living room, while the living room responded to the 1st channel video, so user can program

door sensor as " **# 9 * 9 0 password(1234) 12 03 #**"

In this command, '1' means the video zone, 2 means preset point,

(Totally 6 preset point, 1—4 video input optional,), "03" means the sensor zone number

When alarm is triggered, it will send both MMS and SMS of "Door sensor Zone 03 alarm"

Remarks 2: Size of MMS pictures:

PAL Format:

Min Size: 176 x 144; Medium size: 352 x 288, Maximum size: 720 x 576