Wh

SMS+MMS+DVR alarm system

User's Manual

Profile

For a better understanding of this product, please read this user manual thoroughly before using it.

Mini-MMS alarm system is widely used in villas, residential apartments, shops, corporate finance, factory workshops, small and medium-sized supermarkets, car alarm, hospital, schools, the financial business, such as important part of post anti-theft alarm, surveillance camera, wireless transmission, receiving MMS.

I.   System introduction and functions.

1. Adopt tri-band GSM 900/1800/1900 MHz wireless network.
2. Built-in 300,000 pixels night vision digital camera, suitable for night use.
3. Support 10 seconds video record.
4. Support 2G SD card, convenient for long-term storage of image evidence.
5. Support PIR detecting with photo-taking.
6. Support SMS, MMS, and phone to alarm.
7. Support timing arm and disarm function.
8. Image size: JPG (320×240).
9. 16 wireless zones: each can be programmed independently, eg: arm, disarm and 24-hour arm.
10. Can set 5 user phone numbers, can listen-in when system alarming.

11. Support GSM/ CDMA mobile phone sending SMS; can arm, disarm and take photos remotely.
12. Can send scene color images to mobile phone immediately after alarming.
13. User can remotely monitor by calling the host. .
14. Password operation ensures the security of system.
15. Support Real-Time Clock adjustment, videoclips stored with time, convenient for checking.
16. Built-in Li batteries, AC-DC shift, automatically recharge.

II. Identify the port of rear of the host

1. **GSM Antenna:** You should connect antenna before

connecting the power supply.

2. **P.I.R:** （**wide angle PIR detector**）
   Sensor: Dual-element PIR Sensor
   Detect Distance: 6～8 meters
   Detect Range: Horizontal 110°, Vertical 45°
   Detect Speed: 0.3～3m/s
3. **Power switch:** down to ON, up to OFF.
4. **Socket:** 5V/1.5A DC, SMS alert when external power be cut off :"Power changer off"
5. **Night Vision:** 21 night viewing infrared lamps, camera can work well at night.
6. **Unavailable**
7. **Power/ Status LED:**
    If the LED is green, means in disarm status;
    If the LED is green flashing slowly, means in arm status;
    If the LED is red flashing means in alarm status.
8. **Speaker Output:** Output **5V/75Mha DC**, the core is negative, the crust is positive.

    User can connect with external speaker (optional).
9. **Wire Input:** Support 1 wired zone. Host will alarm if short circuit (connect normal open signal).
10. **COMS camera:** 300,000 pixels, COMS camera, **Angle:** 45°,**Recording distance:**8～10meters.
11. **Light sensor:** it will startup night viewing infrared lamps automatically when outside light is poor.

12. **SD card:** suitable for card ≤ 2G; system will record videoclips in 10 seconds (without sound) and take photo. All videoclips will be saved in SD card. System won't send MMS without SD card.
13. **MIC:** support listen-in function, can startup remotely by commands.
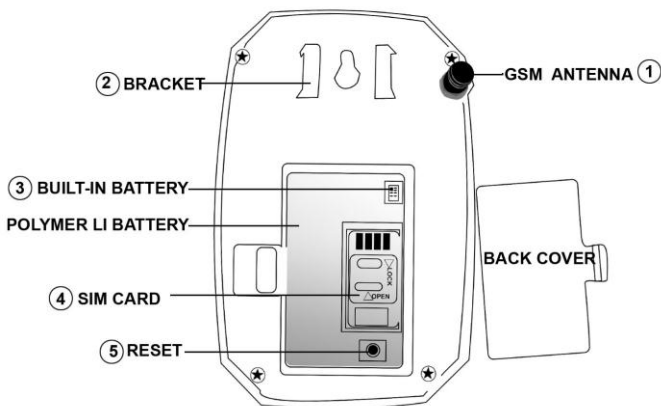
BACK

1. **GSM Antenna**.
2. **Bracket:** Attached installing bracket.
3. **Built-in Battery:** Built-in 3.7V 1000mHA .
4. **SIM Card:** Open the back cover, and then insert the SIM card.

   Support GSM 900/1800/1900 MHz tri-band mode.
5. **RESET:** Press "RESET" then power on , 3 seconds

later sound a " du " or the LED changes from orange to red, then changes from red to orange, the system restore to factory set, default password is 123456, all detectors have been deleted.

III. Operation Instruction

1. How can I start the base?

(1). Buy a new SIM card, or delete all telephone numbers and messages in the old SIM card, insert SIM card, then connect GSM antenna.

(2). If have SD card, insert the SD card, the images will be stored in SD card automatically.

NOTICE: **SD Format   FAT 32**.

(3). Use DC power supply (5V/1.5A), the LED turns to orange, then GSM module start to work, the LED becomes orange slow flashing, start to search GSM network and check its SIM card.

NOTE:

If the LED is orange fast flashing, it is checking the camera.

If The LED becomes green after 20 seconds, then host self-checking is ready, and disarm automatically.

If the LED is flashing slowly in green (arm) .

If the LED is flashing fast in red (alarming)

If the LED is flashing slowly in red (sending SMS).

If the LED is flashing fast in red (sending MMS).

2. How to test the alarm function?

When the host power on and in disarm status, user can use remote controller (**Arm** key) or send message (123456#1#1#) to arm. Under arm status, the LED is flashing in green, If the wireless detectors trigger alarm (wireless FIR detector, wireless door sensor, **SOS** key of remote controller),or walking at the scene, image motion detection or infrared induction to trigger alarm, both will make the host take photos and send alarm signal)

1. If open SMS / MMS alarm function, the host will send out corresponding SMS content according to triggering status (wireless detector, image motion detection , infrared induction),then dial to alarm. If closed SMS / MMS alarm function, host will dial to alarm directly. When alarming, can press **Disarm** key to exit from alarm status.
2. When alarming, user can listen-in the scene after getting through.
3. When alarming, the host will take photos and store images in SD card.
4. Usually, users can send SMS to control.

3. Remote monitoring by calling-in

Dial the host phone NO. , user can monitor the host remotely after hearing a sound " di " .

NOTE : Then phone NO. dialed by user should be any of 5 phone numbers stored in the host.
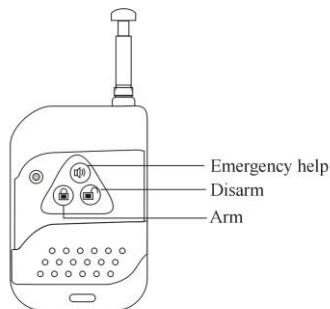
4. Control the host with remote controller

The remote controller has 3 keys: **Arm, Disarm, Emergency**

When press **Arm,** the LED becomes green flashing, if wireless detector or image motion detection or infrared trigger (after arming, motion detecting relays about 10 seconds) all will alarm, then dial out or send SMS / MMS, the LED becomes red flashing.

When press **Disarm**, the status LED becomes green, if wireless detector or image motion detection or infrared induction trigger , all will not alarm,

When press **Emergency**, regardless of in arm status (the LED is green flashing) or disarm status (the LED is green), both will alarm, then dial out phone and send SMS / MMS, the LED becomes red flashing.
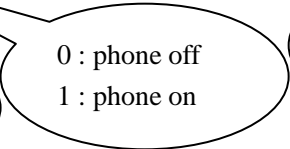
IV. System Setup
1. Set 5 groups calling-out phone numbers

User can send a message to the host to set calling-out phone number and SMS content.

The format: password # serial NO. # phone NO. # 0 / 1 # 0 / 1 # 0 / 1#; (0 : off ; 1: on)

0: SMS off
1: SMS on

0 : phone off
1 : phone on

0 : MMS off
1 : MMS on

Send SMS as follows:

123456#31#13905950001#1#1#1#,means can send SMS, MMS, and dial to the first phone NO.1390595001 when alarming.

123456#32#13905950002#1#1#1#,means can send SMS, MMS, and dial to the second phone NO.1390595002 when alarming.

123456#33#13905950003#1#1#1#,means can send SMS, MMS, and dial to the third phone NO.1390595003 when alarming.

123456#34#13905950004#1#1#1#,means can send SMS, MMS, and dial to the fourth phone NO.1390595004 when alarming.

123456#35#13905950005#1#1#1#,means can send SMS, MMS, and dial to the fifth phone NO.1390595005 when alarming.

2. Set function of the host by SMS

User can set function of the host by sending SMS, format is: password#operation code#

Eg: sending a SMS: **123456#11#1#** means arming the host immediately.

123456#17#0# means setting the size of image: 160*128

123456#1#1# means sending a scene image to the mobile phone.

123456#18#888000# means 888000 is the new password.

The commands as follows all should begin with " password # "

General settings	
Operation	**Function**
1#-#	Request to send scene picture : 1# picture NOS.(1~20) #
11#-#	Arm/disarm setting: 11#1# arm , 11#0# disarm ; (default :disarm)
12#-#	Timing arm and disarm: first send password#100#, and then send password#12#(arm time 0000-2359)#(disarm time 0000-2359)#
14#-#	Set numbers of MMS when alarming: 14# 1~20 #; (default :1)
15#-#	Set images detection ON/OFF : 15#1# , detection ON ; 15#0# , detection OFF (default: ON)
16#-#	Set sensitivity of detection : 16# 1~99 # ; (1: most sensitive, default :15)
17#-#	Set image resolution: 17# 0~2 ; (0:small; 1:middle; 2:big;default:middle)
18#-#	Set new password: 18# new password(1-6 digits) # ; (default :123456)
Advanced settings	
19#-#	Set Chinese/English version: 19#1# Chinese，19#0# English ; (default: Chinese)

20#-#	Inquire MMS allocation: 20##
21#-#	**Set MMS allocation: 21# APN# USER# PASS# IP# PORT# MMSHomepage# ;（for details, please contact your local MMS service provider）**
30#-#	Inquire user NO. allocation: 30##
31#-#	Set NO.1 user: 31# phone NO. # SMS:0/1 #MMS:0/1 # Call phone:0/1 # (0: off ; 1: on)
32#-#	Set NO.2 user: 32# phone NO. # SMS:0/1 #MMS:0/1 # Call phone:0/1 #
33#-#	Set NO.3 user: 33# phone NO. # SMS:0/1 #MMS:0/1 # Call phone:0/1 #
34#-#	Set NO.4 user: 34# phone NO. # SMS:0/1 #MMS:0/1 # Call phone:0/1 #
35#-#	Set NO.5 user: 35# phone NO. # SMS:0/1 #MMS:0/1 # Call phone:0/1 #
40#-#	*Inquire user mailbox allocation : 40##*
41#-#	*Set user mailbox 1 : 41# mailbox address #*
42#-#	*Set user mailbox 2 : 42# mailbox address #*
70#-#	*Inquire wireless detector allocation : 70# serial number#*
71#-#	Set wireless detector 1 :71# arm on/of # alarm message content(24 letters)# (0:disarm ; 1:arm ; 2:24 hour arm)

72#-#	Set wireless detector 2 :72# arm on/off # alarm message content(24 letters)# (0:disarm ; 1:arm 2-24 hour arm)
……	……
85#-#	Set wireless detector 15 :85# arm on/off # alarm message content(12 letters)# (0:disarm ; 1:arm 2-24 hour arm)

NOTE: The content of the MMS can be set according to the GSM operators in different countries, or, customers are allowed to send SMS and set them.

The host has 15 solidified SMS, corresponding to 15 wireless defense zone: " **Wireless 01~15 Alarm** "

When image motion alarm, " **Image Alarm** "

When infrared alarm, " **Infrared Alarm** "

When emergency alarm, " **Emergency Alarm** "

After the host reset, wireless zone is cleared, the first wireless detector stored in the host is wireless alarm zone 01, and so on, user can distinguish wireless defense zone based on stored order.

Send a SMS, can make some wireless detector arm, disarm, change SMS content.

eg: 123456#71#1# Front door open # , instead of " **Wess1ON24 / Wireless 01 Alarm** "

123456#72#2#Middle door open # , instead of " **Wess2ON24 / Wireless 02 Alarm** "

123456#73#0# Back door open # , instead of "

Wess3ON / Wireless 03 Alarm "

After changing the SMS content, if wireless zone 02 alarm, the SMS content is **Middle door open,** not **" Wireless 02 Alarm "**

NOTE: The SMS edited by user can't exceed 12 Chinese characters or 24 English letters. If reset the host, the SMS content will be restored to solidified 15 SMS content.

V. Add or Delete wireless detectors (for professional usage only)

1. Add new detectors

If want to add new detectors, such as wireless infrared detector, wireless door sensors, wireless remote controllers, in normal working status(the LED is green or flashing), press "RESET" key for 3 seconds, the LED becomes red, trigger the new detector, if the LED flash one time or the siren sounds a "di", means the operation is confirmed. If press "RESET" key again for 1 second or 20 seconds later, the host will exit automatically and turn to normal working status.

2. Delete the lost detectors

If wireless detectors (eg: remote controller) lost, need to delete the lost detectors for your home security. Press "RESET" key then power on, 3 seconds later you will hear a sound "du", or the LED changes from orange to red, means system restore to original status, password is 123456,the host has deleted all the detectors.

The other useful detectors must be stored in the host

according to adding detectors methods. After reset, the SMS content restore to original solidified 15 SMS .

VI. Components list

Main controller panel	1 pc,
Remote controller	2 pcs,
Door sensor	1 pc,
Power adapter	1 pc,
Li-battery	1 pc,
Bracket	1 pc,
Screws	several pcs,
Two-side glue tape	1 pc,
User manual	1 pc,

The following sensors can be optional:

Signal Repeater

Wireless keypad

Wireless Outdoor
Siren with flash

Glass Sensor

Panic Button

Remote Controller

Wireless Smoke
Detector

Gas Detector

Wireless Pet
Immune PIR Detector

Optional sensors/detectors are packed separately. It includes remote controllers, outdoor siren, transmitter, wireless PIR, wireless gap sensor, wireless gas detector, wireless smoke detector, panic button, baluster, etc. you may buy according your specific requirements.

Typical house configuration

Remote control

External Sirens

Door/window

: Garage

Smoke
Detector

PIR Movement
Detectors
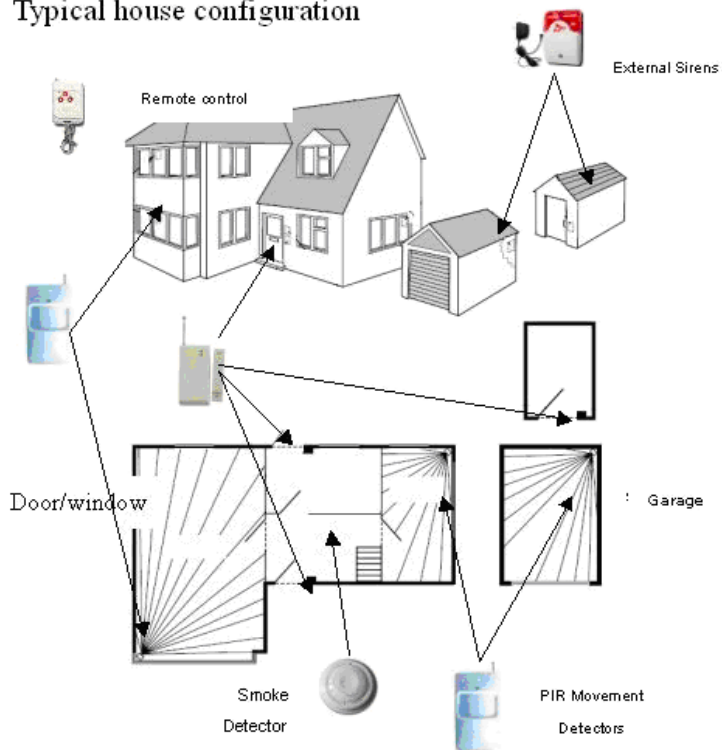
VII. Technical Parameters

Main Panel
Static Current: 40 mA
Power Supply: 5 V
Working Temperature: -10℃ ~ +40℃
Support GSM 900/1800/1900 MHz tri-band mode

Support PHASE2/2 & protocol (Including data services)
Transmission Power: (2W)/EGSM900, (1W)/GSM1800 GSM1900
Receive Coding: ASK
Receive Frequency: 315/433 MHz
Remote Control Distance: No obstacle 50m
Detectors: 15

Wireless Gap Detector (Door / Window Contact)
Power Supply: DC12V (inner 12V battery)
Static Current: ≤20 mA
Transmission Current: ≤15mA
Transmission Frequency: 315/433MHZ±0.5MHZ
Transmission Distance: No obstacle 80m
Internal Distance: 15 mm
Working Condition: Temperature –10℃~+ 40 ℃
Humidity ≤ 90% rh
Wireless PIR Detector
Power Supply: DC9V (inner 9V battery)
Static Current: ≤100 mA
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 rh

Remote Controller

Power Supply：DC=12V~8.4

（Inside A23 DC=12V dry battery）

Static Current：11=0

Emission Current：12≤15 mA

Emission Frequency：f=315±0.2 MHz

Emission Speed：T≤1 second

Emission Distance：Without obstruct 80m

Working Environment: Temperature -10℃～+40℃

Relative Humidity≤90%

FAQ

Symptoms	Causes	Remedies
Cannot alarm by phone	1. Hasn't armed 2. Less than 30 seconds after arming. 3. Set wrong phone num 4. The two parts of door\window sensor is installed too far from each other. 5. Haven't activated PIR. 6. Hasn't checked code	1. Make arming 2. Operate after 30 seconds 3. Set the num again according to the manual 4. Adjust the installation place of the door sensor 5. Activate the PIR 6. Check code again
Remote controlling distance is too short and the light indicator is not on strong enough	1. The battery of remote controller rust 2. Low battery	1. Clean the rust 2. Change battery
Light indicator of door sensor and PIR is always on.	Low battery	Change battery
Dial alarm number slowly	The main panel has stored other numbers	Set it again according to the operation manual
The main panel cannot receive accessories signals	Hasn't checked code	Check the code again