KING PIGEON™
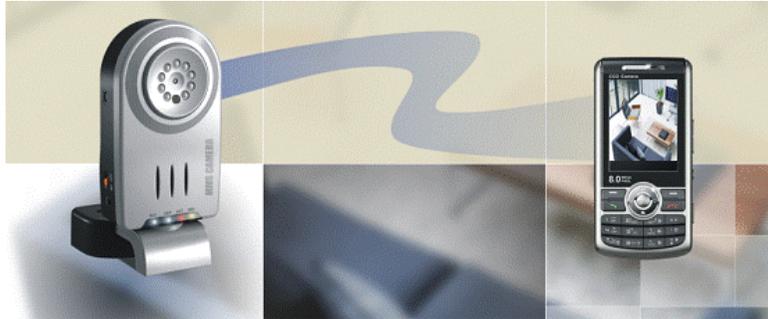
GSM MMS Alarm System

S800

User Manual

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Website: Http://www.GSMalarmsystem.com

Brief Introduction

The S800 is a Intelligent GSM MMS Alarm system, when it activated, will send SMS alerts to your and send pictures to your mobile phone immediately. Also,you can let it send pictures to you in fixed time. Monitor your home or office or shop or store or warehouse or factory by your mobile phone.

The advantage of the S800

1. Built in internal mircophone and speaker, you can speak to it or listen what happening;
2. Supports Timer: e.g.: fixed time armed or fixed time disarmed, fixed time capture picture then send to your mobile phones;
3. Supports programmed by PC through USB port;
4. Enable to rotate the camera on the Bracket.

Product Functions

Short Message Command Control
Remote control of MMS Alarm System by sending short message command via a mobile

Wireless Image Receiving by Mobile Phone
Real-time MMS Alarm system image receiving by a mobile phone with multimedia message function

Image Receiving by E-mail
Images sending to appointed mailbox for viewing by setting MMS Alarm System

On-demand Photo Taking via Short Message
request images from MMS Alarm System by sending short message commands to realize on-demand viewing

Timer Photo Taking
Preset time and frequency of photo taking through mobile phone short messages or PC software

Timer Defense Arrangement/Removal
Multiple periods of automatic enabling or disabling of MMS Alarm System alarm allowed

Alarm of Door Detector and Infrared Motion Detector
Sending alarm short messages and images to your mobile phone whenever somebody enter detection range

Power cut off Alarm
Sending short message notifications to the user for Power cut off

Voice Monitoring and Voice Broadcasting
Imbedded high-sensitivity mic and loudspeaker automatically receives user calls for voice monitoring

Remote Control
Two wireless remote controllers control wireless defense arrangement/removal within effective range

Multiuser Management
Five mobile phone numbers can be set as user numbers for MMS Alarm System configuration

Configuration by PC software
Connect with PC for convenient parameter configuration through MMS Alarm System PC

Safety Directions

Safe Startup
Do not use MMS Alarm System when using GSM equipment is prohibited or might bring disturbance or danger.

Interference
All wireless equipment might interfere network signals of MMS Alarm System and influence its performance.

Avoid Use at Gas Station
Do not use MMS Alarm System at a gas station. Power off MMS Alarm System it near fuels or chemicals.

Power it off near Blasting Places
Please follow relevant restrictive regulations. Avoid using the device in blasting places.

Reasonable Use
Please install the product at suitable places as described in the product   documentation. Avoid signal screening by covering the mainframe.

Use Qualified Maintenance Service
Maintenance can be carried out only by qualified maintainer.

Waterproofness
The product is not waterproof. Please install it at dry places and keep it dry.

¶ *Noun Explanation*

User Authority Levels

MMS Alarm System users are of three types with different authorities.
Host: The host must input his or her mobile phone number into the MMS Alarm System (refer to Elementary Use/Start using MMS Alarm System), otherwise the MMS Alarm System cannot realize

automatic alarm. Only one host number is permitted. The host enjoys all the MMS Alarm System services and must remember the MMS Alarm System password and mobile phone number.

Family: Family can monitor onsite sounds or acquire onsite images from the MMS Alarm System. Family's mobile phone numbers must be added through short message commands sent from the host's mobile phone. For operate the equipment, family must remember SIM card password. Family with the MMS Alarm System password share the configuration authority with the host.

Guest: To be a guest, only MMS Alarm System password and SIM card number is required. A guest may send short message commands with the password using any mobile phone to the MMS Alarm System to acquire onsite MMS images or help or inquire the MMS Alarm System state.

User Type	Quantity	Configuration
Host	1	√
Family	4	×
Guest	Arbitrary	
Email	3	

Functions	Receive SMS or MMS on alarms	Call the MMS Alarm System for voice monitoring	Request images and configuration via SMS	Configure general parameters via SMS	Change password	Add or delete numbers
Host	√	√	√	√	√	√
Family	○	√	√	●	●	●
Guest	×	×	√ need password	×	×	×

○ stands for functions with default "×" but can be enabled via commands.
● stands for functions enabled after password validation.

Multimedia Message
MMS carry images and much character information. All mobiles of China Mobile and China Unicom on the market support free multimedia message receiving without installing additional software.

Defense Arrangement/Removal
Defense arrangement and removal are two alert states of alarms. Under defending status, the MMS Alarm System mainframe sends onsite MMS of images and alarm character information to all set mobile phone and email addresses after receiving alarm signals from accessorial detectors. Under undefending status, the MMS Alarm System does not send alarm information and images, but can send out alarm sounds. Users may eliminate alarms by pressing the sound-eliminating button on the remote controller.

Urgency Button
The specially set urgency button on the remote controller can be pressed to send help requests and onsite images to family's mobile phones.

Email
The MMS Alarm System sends MMS to mobile phones and taken images to any email address.

On-demand Multimedia Message

On-demand MMS refer to sending short message commands to the MMS Alarm System to require sending of onsite image MMS via user's mobile phones.

Timer Operation

MMS Alarm System supports timer defense arrangement / removal and image multimedia message sending. Users may set timer automatic operation at certain time spots every day.

Voice Monitor

MMS Alarm System may automatically put through the host's or family's calls. The imbedded MIC enables users to hear onsite sounds and voice directly via the loudspeaker. Only one call can be put through at a time.

¶ *Read Me First*

Do the following preparations before using a MMS Alarm System.

Apply for a SIM card, activate GPRS and MMS and get a mobile phone supporting MMS and SMS (mobile phone not supporting MMS may operate via short messages, but images must be transferred to an electronic mailbox for viewing). Make sure the mobile phone and the MMS Alarm System are within GSM/GPRS network service area and the MMS coverage area. To receive images via an email, there must be an effective email address.

Tip 1: The quality of displayed images on the mobile phone is related to the quality of color screen of the phone (color and resolution).

Tip 2: For normal use of the mobile phone, relevant configuration must be done to the mobile phone after GPRS and MMS application. Please consult your network operator for details.

Tip 3: For your privacy security, please do not reveal the operation password of MMS Alarm System and SIM card number.

⚠ Note: Please check the maximum receiving capacity of your mobile phone. Your network operator may limit multimedia message size; please consult it for details. Before using any network service, you must apply to activate it at the service provider and get acquire instructions.

⚠ Note: MMS is available only when it is supported by your network operator or service provider. Only equipment with MMS or email functions can receive/display MMS.

⚠ Note: MMS might contain virus or other factors that might harm your equipment or PC. Please do not open any attachment when you cannot confirm the sender's reliability.

⚠ Note: Use specified power supply and fittings only. Product failure or damage due to use of other types of power supply or fittings is not in warranty range.

⚠ Note: Do not use MMS Alarm System when using GSM equipment is prohibited or might bring disturbance or danger.
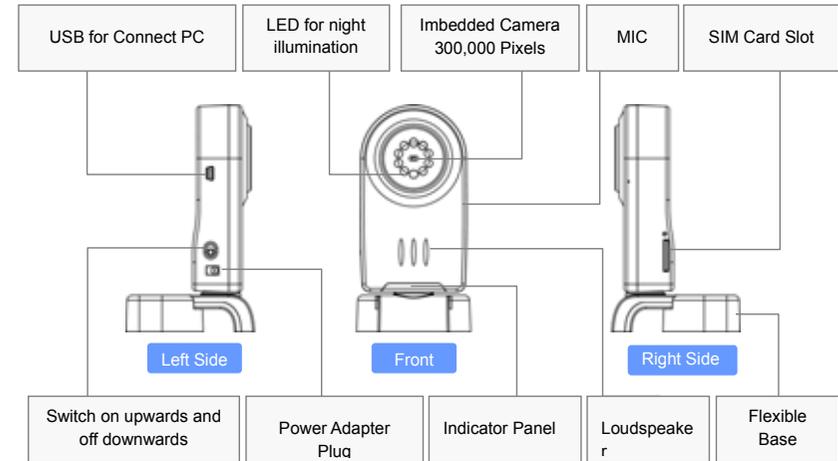
¶ *Product Installation*

1. Mainframe

2. Wireless Infrared Motion Detector

3. Wireless Door Detector

4. Remote controller

1. Mainframe

As the most important product component, the mainframe has functions of taking onsite images, receiving users' control commands, receiving signals of accessorial detectors (wireless human body detector, wireless door detector and other wireless alarm detectors) and remote controller and sending alarm short messages and MMS to users. Once the mainframe fails, all the MMS Alarm System functions will fail.

USB for Connect PC	LED for night illumination	Imbedded Camera 300,000 Pixels	MIC	SIM Card Slot

Left Side	Front	Right Side

Switch on upwards and off downwards	Power Adapter Plug	Indicator Panel	Loudspeaker	Flexible Base

Indicator status

Codes	Indicator Name	Color	Action	Meaning
SVR	Service indicator	Red	On after startup	On during startup and off after startup.
			On for several seconds	On during short message sending
			Constant on	Constant during failure
ACT	Action indicator	Green	Flashing	Flashing during detector alarms
			Fast flashing	Fast flashing during defense arrangement
			Slow flashing	Slow flashing during defense removal
DEF	Defense arrangement /removal indicator	Blue	Constant on	On means in defense
			Off	Off means defense is removed
BUZ	Buzzer indicator	Orange	Constant on	On means onsite alarm sounds are available
			Off	Off means alarm sounds are unavailable

Mainframe Functions

1) Imbedded high-definition camera with the function of automatic onsite images taking.

2) Receiving alarm signals of accessorial detectors (human body detector, wireless door detector and other wireless detector).

3) Receiving control signals of wireless remote controllers.

4) Receiving users' short message commands, such as configured parameters and on-demand photo taking, etc. (refer to Elementary Use and Advanced Setting sections).

5) Sending alarm short messages and onsite image MMS to users during alarms.

6) Imbedded loudspeaker and IMC realizing monitoring and voicing after putting through user calls automatically.

7) The imbedded buzzer realizing sound alarms.

8) When the external power is cut off, the imbedded lithium batteries enables automatic battery power
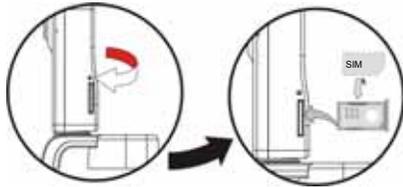
supply and sends a power-cut alarm short message; when the external power is resumed, it switches to external power and charges the batteries.

9) Connected to PC for parameter configuration via MMS Alarm System PC software.

Mainframe Installation

SIM Card Installation

Press the small yellow dot at the SIM card slot on the mainframe right side with a penpoint, the SIM card drawer will spring out automatically. Take out the drawer, put the SIM card in it on the slot direction and plug back the drawer.
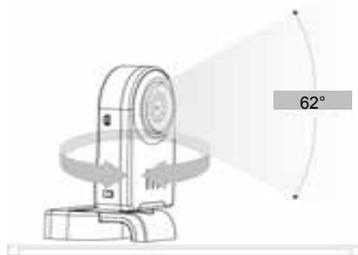

⚠ NOTE:Keep the MMS Alarm System mainframe powered off while putting in or taking out the SIM card. MMS Alarm System supports only SIM cards of GSM network and does not support CDMA.
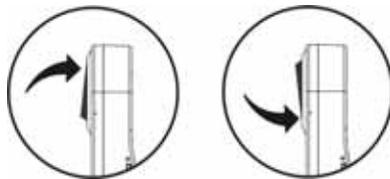
Mainframe Placement Modes

Desk-top Mode:

1   Unfold the mainframe base and lay it on the desktop flatly; The photographing visual angle of mainframe camera is a 62°coniform angle;
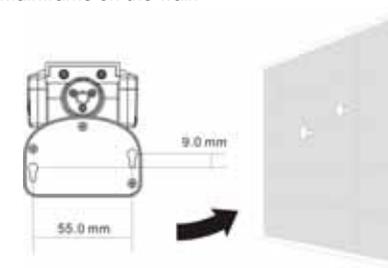2   Turn the mainframe body to adjust for a photographing direction and a horizontal angle

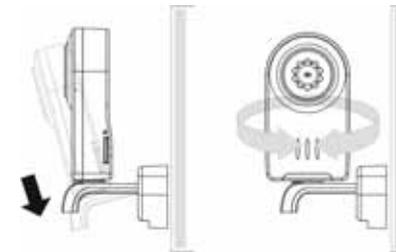3   Make fine adjustment of camera lens cap to a desired height.

Wall-mounted Mode:

1   Nail two nails on the wall with a horizontal distance of 55mm and vertical distance of 9mm between two nails. There are mounting holes for wall nails on the metal sheet of MMS Alarm System mainframe base for mounting the mainframe on the wall.
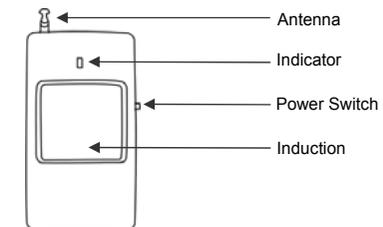

2   Turn the flexible base and mainframe body to adjust for a desired photographing angle.

2.Wireless Infrared Motion Detector

As an accessorial detector of MMS Alarm System mainframe, infrared human body detector communicates wirelessly with the mainframe and detects human body infrared within certain range. The detector activated when the MMS Alarm System is in defending status emits alarm signals to the mainframe once it detects human body infrared,   triggers the mainframe to take onsite images and sends alarm short messages and image MMS to users.

Wall-mounting method:

Fix the gimbal on the installation wall, put the gimbal joint through the gimbal and test to adjust the detecting angle.
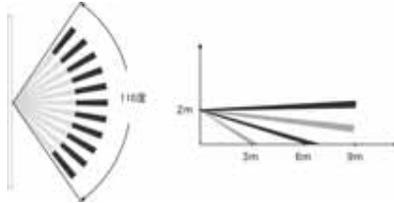
Effective placement distance between the infrared human body detector and mainframe: 150m (open air without interference).

Indicator: The red indicator is on for 1.5 seconds when human movement is detected.

Replacing batteries: Two alkaline AA batteries are imbedded in the infrared human body detector. When the batteries are nearly exhausted, the indicator flashes fast. Disassemble the detector case while placing batteries.

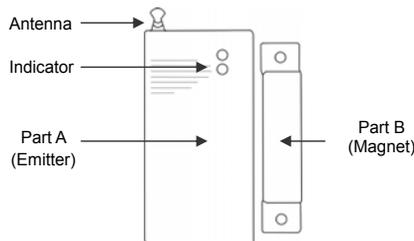Detecting angle: Wide angle (110°)
Coverage range: 9m×9m

Sketch Map of Infrared Detection Range

Application directions:

⚠ Install it in an indoor place or space without big change of airflow or temperature;

⚠ Do not install it right against glass or strong light;

⚠ Do not install it right against cold/hot objects or cold/hot intakes;

⚠ Do not install it right against swinging objects or objects receiving sunlight;

⚠ Do not install it at a channel with strong wind;

⚠ Do not install it near high-power electrical appliances and that with signal receiving and emitting;

⚠ Install it only indoors (Do not install it outdoors);

⚠ The detector has about 1 minute of environment perception when it is powered on. Arrange defense after it is powered on for 1 minute;

⚠ To avoid false or missed alarms, a few seconds of analysis and confirmation are needed when infrared is detected before sending alarm signals.

3. Wireless Door Detector

Wireless door detector is an accessory detector of MMS Alarm System mainframe, communicating wirelessly with the mainframe. It can be installed on a door or window. When the MMS Alarm System is in defending status, the detector emits alarm signals to the mainframe once the door or window is opened, triggering the mainframe to take onsite images and sending alarm short messages and MMS to users.

Installation Method

To install the door detector on an active door or window, wipe the corresponding positions of the door or window and stick it on the positions using double-side tape or detach the cover plates of parts A and B of the detector and fix them with screws. Notice during the installation that wireless door detector A (emitter) and detector B (magnet) should be installed separately; the emitter should be installed fixed on the door frame or window frame and the magnet should be installed on active door or window.

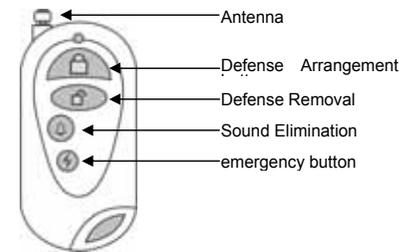⚠ NOTE:The emitter and magnet align vertically with a distance of no more than 10mm.

The effective distance between the wireless door magnet and the mainframe: 150m (open air without interference);

Indicator: When the detector is activated, the red indicator is on for 1.5 seconds;

Replacing battery: One alkaline battery is imbedded in the detector. When the battery is nearly exhausted, the indicator flashes fast. Disassemble the detector case while placing the battery.

4. Remote Controller

Remote controller is an accessory of MMS Alarm System mainframe, realizing defense arrangement/removal, buzzer alarm enable/disable and it provide emergency button for urgent status.

Defense Arrangement button: When the button is pressed, the MMS Alarm System enters defending status, the monitoring function of infrared human body detector and door magnetic detector is activated and the mainframe sends an alarm short message and multimedia message to the user. For example, press this button to activate monitoring function when the user leaves home.

Defense Removal Button: When the button is pressed, the MMS Alarm System enters undefending status. When the monitoring function of infrared human body detector and door magnetic detector is activated, the MMS Alarm System does not send an alarm short message and multimedia message to the user but emits alarm sounds that can be eliminated by pressing the sound elimination button.

Sound Elimination Button: When the mainframe emits alarm sounds, press the button to eliminate them.

Emergency Button: Under defending/undefending status, press the button and the mainframe will automatically take onsite images and send images and short messages to the mobile phone number for emergency alarms (refer to "Elementary Use—Adding or Changing Mobile Phone Number for Emergency Alarms" for setting methods). Press the button swiftly to seek family's help when there is emergency.

Effective remote control distance from the mainframe: 150m (open air without interference).

Indicator: The indicator flashes when the button is pressed.

Replacing battery: One alkaline battery is imbedded in the wireless remote controller. When it is nearly

exhausted, the indicator flashes fast. Disassemble the controller case while placing the battery.

¶ *Elementary Use*

Startup and Shutdown

First make sure that an applicable SIM card is inserted in the mainframe.

⚠ NOTE: The SIM card receives short message commands after the short message service center number is set correctly. Usually a newly purchased SIM card has the local short message service center set. If necessary, put the SIM card into mobile phone to check the short message service center number and correct it in time.

Startup: Plug the power adapter, toggle the switch upwards and the power indicator is on. After 3 to 5 seconds the yellow indicator is out, the MMS Alarm System finds the network and enters operation status automatically.

Shutdown: Toggle the switch downwards and disconnect the power plug.

Begin to Use

A set of short message commands is provided for users to configure the MMS Alarm System parameters.

To startup the MMS Alarm System for the first time or after recovering the factory settings, bind the MMS Alarm System with the host's mobile phone number. After binding, the MMS Alarm System will identify the host's mobile phone number, send alarm messages only to the host's mobile phone and execute short message commands sent from the host's mobile phone without identifying other mobile phone numbers.

Short Message Command for Binding Host's Mobile Phone Number

    000000

Send a short message "000000" to the MMS Alarm System number and wait for a reply message

notifying successful number binding.

Changing MMS Alarm System Password

⚠ NOTE   The MMS Alarm System password can be changed via the host mobile phone only.

Short Message Command for Changing Password

    PW old password, new password   or   88 old password, new password

The default password of MMS Alarm System is "000000". The password must be a 6-digit effective number. To ensure secure operation, the password must be changed when the MMS Alarm System is started. After successful password change, the host will receive a short message reply "Operation succeeded. The password is ******".

For example, the host types a short message : *PW000000, 123456* and sends it to the MMS Alarm System to change the password to "123456".

⚠ NOTE: If the MMS Alarm System password is forgotten, default setting recovery should be performed via the configuration software.

Adding or Changing Family Mobile Phone Numbers.

⚠ NOTE: To add or change family mobile phone numbers, the host must send corresponding short message commands.

Short message command for Adding or Changing Family Mobile Phone Numbers

    ADD<phone number>   or   300<phone number>

For example, the host types a short message: *ADD13812345678* and sends to the MMS Alarm System to set 13812345678 as a family mobile phone number. After successful setting, the MMS Alarm System will send a reply message to the host's mobile phone: "Number-adding command execution succeeded. The number is ***". Meanwhile the added family mobile phone will receive a short message notification.

Short message command for deleting Family Mobile Phone Numbers

    DEL<phone number>   or   301<phone number>

Short message command for Enquiring All User Mobile Phone Numbers

    PHONELIST   or   309

For example, the user sends a short message: *PHONELIST* to the MMS Alarm System number and it will return all user mobile phone numbers, including the host and family's phone numbers.

> ⚠ Note: While typing short messages command, multiple commands can be contained with " " between every two commands. For example, type "*ADD13800000001#ADD13800000002#ADD13800000003*" while adding multiple family mobile phone numbers in a short message and send it to the MMS Alarm System to set 13800000001, 13800000 002 and 13800000003 as family phone numbers at one time.

Adding or Changing Email Addresses Receiving MMS

The MMS Alarm System supports sending onsite images to appointed electronic mailboxes. Maximum 3 email addresses can be appointed by the host's mobile phone number to receive images. The command is as below.

Short message command for Adding or Changing Email Addresses

    ADD<email>   or   302<email>

For example,the host types message: *ADD666@***.com* and sends to the MMS Alarm System and 666@***.com may receive alarm multimedia message.

Short message command for deleting Email

> DEL<email>   or   303<email>

Enquiring Email Addresses

> EMLIST   or   310

Adding or Changing Emergency Alarm Phone Numbers

Emergency alarm phone numbers are the numbers besides the host's mobile phone number that receive alarm messages when the emergency button on the remote controller is pressed under emergency. These numbers can be mobile phone numbers of family members, friends or security men or those beneficial to onsite emergency rescue. When the emergency key is pressed, the MMS Alarm System will first send alarms to the host mobile phone and then to emergency alarm phone numbers. Maximum 4 emergency alarm phone numbers can be set.

Short message command for Adding or Changing Emergency Alarm Phone Numbers

> ASO<phone number>   or   304<phone number>

For example, the host types a short message: *ASO13812345678* and sends to the MMS Alarm System to finish the setting.

Short message command for Deleting Emergency Alarm Phone Numbers

> DSO<phone number>   or   305<phone number>

Short message command for Enquiring Emergency Alarm Phone Numbers

> SOSLIST   or   311

Defense Arrangement

Defending status means the MMS Alarm System is under alert status and functions of wireless infrared human body detector and wireless door detector are activated.

There are two methods to arrange defense.

Method 1: Press "Defense Arrangement" button on the remote controller.

Methods 2: The user sends a short message command to MMS Alarm System to arrange defense.

Short message command for Setting Defense Arrangement

> DEF   or   500

After successful setting, the user will receive a short message reply: "Defense arrangement succeeded" and the defense indicator will be on.

⚠ The default setting for defending status are: sending MMS during alarms, activation of infrared human body detector and wireless door detector, medium image size and sending 2 images during alarms. Refer to *advanced operation* for more detailed configuration.

Defense Removal

In undefending status, the MMS Alarm System does not send alarm information, but power cut alarm is still effective.

There are two methods to remove defense.

Method 1: Press "Defense Arrangement" button on the remote controller.

Method 2: The user sends a short message command to MMS Alarm System to remove defense.

Short message command for Setting Defense Removal

> UNDEF   or   501

After successful setting, the user will receive a short message reply: "Defense removal succeeded" and the defense indicator will be off.

Alarms

The MMS Alarm System will trigger alarms in the following conditions.

▪ Under defending status, the mainframe will be triggered to send alarm short messages and MMS once the wireless infrared human body detectors induces human infrared;
▪ Under defending status, the mainframe will be triggered to send alarm short messages and MMS once the window with wireless door detector is opened;
▪ Press the "Emergency" button on the remote controller to trigger off alarms.
▪ Power Cut Alarms

⚠ NOTE: Under defending/undefending status, power cut alarm is effective. When the power is off, the MMS Alarm System will automatically switch to internal battery power supply and send alarm messages to users. The MMS Alarm System will automatically switch to external power supply when it is resumed and send hint messages of power recovery to users.

Alarm Modes:

▪ Short message alarms: The MMS Alarm System sends different alarm messages to users' mobile phones basing on different alarm burst conditions. For example, the alarm message from infrared inductor is "Human body detector alarm" and that from door detector is "Door detector alarm".
▪ Multimedia message alarms: During alarms, the mainframe automatically takes successive onsite images and sends them in MMS to users' mobile phones.
▪ The mainframe emits alarm sounds.

⚠ NOTE: When the MMS Alarm System alarms, the mainframe emits alarm sounds and sends alarm messages and MMS containing onsite images taken by the camera to users' mobile phones.

⚠ NOTE: Under default setting, alarm messages and MMS are sent to the host's mobile phone during alarms. If the user want other family members receive them synchronously, send commands using the host's mobile phone to enable this function. The commands are:

Short message command for Enabling Alarm Messages Receiving by Family Members

> MMSACC1   or   6041

Short message command for Disabling Alarm Messages Receiving by Family Members

> MMSACC0   or   6040

⚠ NOTE: Under default setting, the mainframe emits alarm sounds during alarms. If users want to eliminate sounds during alarms, the following command may be sent.

Short Message Command for Alarm Sound Enablement

> BUZON   or   502

Short Message Command for Alarm Sound Disablement

> BUZOFF   or   503

Voice Monitor and Voice broadcasting

A speaker and a MIC imbedded in the mainframe enable automatic connection with mobile phones when the MMS Alarm System is called by the host' or family memebers' mobile phones, enabling users to hear sounds in the environment where the MMS Alarm System is. Meanwhile, voicing can be enabled by the imbedded speaker for talks between users and onsite personnel. This can be used to intimidate illegal intruders at the monitoring point.

⚠ NOTE: The MMS Alarm System cannot receive calls while sending images or short messages. Please try later.

⚠ NOTE: Please abide by local laws and regulations relating to monitoring and avoid illegal use of this function.

On-demand Image Taking via Message

Under defending/undefending status, users may acquire onsite images by sending short messages to MMS Alarm System.

Demanding MMS for User's own Phone

SNAP or 600

The user sends a command: *SNAP* to the MMS Alarm System, receives later a message "Preparing to send MMS" and will receive the ordered messages later.

Demanding MMS for Appointed Mobile Phones

SNAP<phone number> or 600<phone number>

While demanding image taking, if the image size and image quantity in MMS are not appointed, the MMS Alarm System will send MMS according to default parameters. The default image size is 352×288 and image quantity is 2. Refer to *advanced setting* for the configuration modification.

⚠ NOTE: Image size is proportional to definition. The larger the image is, the higher definition is. If users have big mobile phone screens, images of larger sizes can be appointed.

⚠ NOTE: A multimedia message contains multiple images. The more the images are, the more successive onsite images users will see. While demanding image taking, image quantity in MMS may be appointed; 6 images at most can be appointed.

Image size and image quantity within a multimedia message influence the speed of message sending. The speed is slow if images and quantity are big; contrarily it is fast. Users may appoint these parameters according to actual situation. To receive alarm messages at higher speed, fewer images with small size shall be appointed. The operation commends for appointing image size and quantity is as below.

Demanding MMS for Uesr's own Phone and Appointing Image Size and Quantity

SNAP<Image size>, <image quantity> or 600<Image size>, <image quantity>

Demanding MMS for Appointed Mobile Phones and Appointing Image Size and Quantity

SNAP<phone number>, <Image size>, <image quantity> or
600 <phone number>, <Image size>, <image quantity>

The relation between image size and image quantity in MMS is shown as below.

Image Size	Parameter Value	Parameter Note
640×480	0	Maximum 1 image of this size in an multimedia message
320×240	1	Maximum 3 image of this size in an multimedia message
352×288	2	Maximum 5 image of this size in an multimedia message
176×144	3	Maximum 6 image of this size in an multimedia message

For example, to demand a multimedia message containing 6 images in the size of 176*144 for mobile phone numbered 13812345678, type and send a message: *SNAP13812345678,3,6*

¶ *Setting Advanced*

1. Setting Photographing Parameters

2. Timer Defense Arrangement/Removal

3. Timer Photographing

4. Network Parameter Configuration

5. Other Commands

Setting Photographing Parameters

The command of photographing parameters setting enables users to modify the photographing parameters of MMS Alarm System including image size, image brightness and image quantity in a multimedia message to achieve wanted photographing effect.

⚠ NOTE: All the parameters may be set by sending short message commands via the host's mobile phone directly or via family members' mobile phones after logging in using MMS Alarm System password.

Short Message Command for Setting Image Size, Brightness and White Balance Effect

DSCFMT=<Image size>, <brightness>, <white balance >
or 601= <Image size>, <brightness>, <white balance >

⚠ NOTE: A multimedia message contains multiple images. The more the images are, the more successive onsite images users will see. While demanding image taking, image quantity in MMS may be appointed; 6 images at most can be appointed.

The relation between image size and image quantity in MMS is shown as below.

Image Size	Parameter Value	Parameter Note
640×480	0	Max 1 image of this size in an multimedia message
320×240	1	Max 3 image of this size in an multimedia message
352×288	2	Max 5 image of this size in an multimedia message
176×144	3	Max 6 image of this size in an multimedia message

Image Brightness Parameter

Brightness degree	Parameter Value	Parameter Note
0	0	
1	1	
2	2	The smaller the parameter is, the higher the brightness is and contrarily the lower brightness is. Users may adjust the brightness value according to the installation environment. The default value is 3.
3	3	
4	4	
5	5	
6	6	

White Balance Parameter

White Balance effect	Parameter Value	Parameter Note
Auto	0	
Incandescent	1	
Fluorescent	2	Users may adjust the white balance effect according to the installation environment. The default is automatic.
Daylight	3	
Cloudy	4	
Indoor	5	

For example, to set the photographing parameters as image size 352×288,image brightness 4 and white balance indoors, type and send a message: *DSCFMT =2,4,5.*

Setting Photographing Modes

DSCMODE = < Parameter > or 602 = < Parameter >

Photographing Mode	Parameter Value	Parameter Note
Automatic	0	
Normal	1	Defaulted as automatic
Night	2	

Setting Image Quantity in a Multimedia Message

MMSPC = < Parameter >   or   603 = < Parameter >

Users may change the default value via this command.

The image quantity for a multimedia message is related to image size. The bigger the image is, the smaller the quantity is.

Image Size	Parameter Value	Parameter Note
640×480	0	Max 1 image of this size in an multimedia message
320×240	1	Max 3 image of this size in an multimedia message
352×288	2	Max 5 image of this size in an multimedia message
176×144	3	Max 6 image of this size in an multimedia message

Timer Defense Arrangement/Removal

Timer defense arrangement/removal can be realized by sending short messages to the MMS Alarm System. Two defense arrangement time points and two defense removal time points are provided for setting two time periods within one day. For example, defense can be arranged at 8:00 a.m. and removed at 11:00 a.m. and then can be arranged at 1:00 p.m. and removed at 6:00 p.m. The short message commands for timer defense arrangement/removal are as below.

Short Message Command for Setting 1st Defense Arrangement Time Point Per Day

MTIMER0= <Hour>, <minute>, 2   or   800 = <Hour>, <minute>, 2

The hour parameter is 0-24, minute 0-60; 2 stands for defense arrangement. The short message command for clearing the setting is **MTIMER0= 0   or   800 = 0**.

Short Message Command for Setting 1st Defense Removal Time Point Per Day

MTIMER1= <Hour>, <minute>, 1   or   801 = <Hour>, <minute>, 1

The hour parameter is 0-24, minute 0-60; 1 stands for to defense removal. The short message command for clearing the setting is **MTIMER1= 0   or   801= 0**.

For example, to arrange defense at 8 a.m. and remove it at 11:00 a.m., type and send messages: **MTIMER0=8,0,2 # MTIMER1=11,0,1.**

Short Message Command for Setting 2nd Defense Arrangement Time Point Per Day

MTIMER2= <Hour>, <minute>, 2   or   802 = <Hour>, <minute>, 2

The hour parameter is 0-24, minute 0-60; 2 stands for defense arrangement. The short message command for clearing the setting is **MTIMER2= 0   or   802 = 0**.

Short Message Command for Setting 2nd Defense Removal Time Point Per Day

MTIMER3= <Hour>, <minute>, 1   or   803 = <Hour>, <minute>, 1

The hour parameter is 0-24, minute 0-60; 1 stands for to defense removal. The short message command for clearing the setting is **MTIMER3= 0   or   803= 0**.

For example, to arrange defense at 13 p.m. and remove it at 17:00 p.m., type and send messages: **MTIMER2=13,0,2 # MTIMER3=17,0,1.**

Timer Photographing

Two fixed-time automatic photographing per day, two per weeks, photographing intervals and sending images can be set.

Short Message Command for Setting 1st Timer Photographing Per Day

MTIMER4= <Hour>, <minute>, 3   or   804 = <Hour>, <minute>, 3

The hour parameter is 0-24, minute 0-60; 3 stands for to photographing. The short message command

for clearing the setting is **MTIMER4= 0   or   804= 0**.

For example, to set timer photographing at 10:30 a.m. per day and sending images, type and send a short message **MTIMER4=10,30,3**.

Short Message Command for Setting 2nd Timer Photographing Per Day

MTIMER5= <Hour>, <minute>, 3   or   805 = <Hour>, <minute>, 3

The hour parameter is 0-24, minute 0-60; 3 stands for to photographing. The short message command for clearing the setting is **MTIMER5= 0   or   805= 0**.

Short Message Command for Setting 1st Timer Photographing Per Week

MDATE0=<data>, <Hour>, <minute>, 3   or   806 = <data>, <Hour>, <minute>, 3

The data parameter is 0-6(sunday to saturday),hour 0-24, minute 0-60; 3 stands for to photographing. The short message command for clearing the setting is **MDATE0= 0   or   806= 0**.

Short Message Command for Setting 2nd Timer Photographing Per Week

MDATE1=<data>, <Hour>, <minute>, 3   or   807 = <data>, <Hour>, <minute>, 3

The data parameter is 0-6(sunday to saturday),hour 0-24, minute 0-60; 3 stands for to photographing. The short message command for clearing the setting is **MDATE1= 0   or   807= 0**.

For example, to set timer photographing at 10:30 p.m. on Wednesday, type and send a short message **MDATE1=3,22,30,3**.

Short Message Command for Setting Timer Photographing Interval

MMST = <minute>, 3   or   808 = <minute>, 3

Photographing interval can be set. The minute parameter is 0-255; 3 stands for photographing.

For example, to set photographing with an interval of 50 minutes, type and send a short message **MMST=50,3**

The short message command for clearing the setting is **MMST = 0   or   808= 0**

Short message command for Enquiring All Timer Operations

MMSTIME?   or   313

All timer operations refer to the set time point parameters of timer defense arrangement/removal and timer photographing. Send this command and all the timer operation parameters will be returned.

Short message command for Clearing All Timer Operations

CLRTIMER   or   811

Send this command to clear all the timer defense arrangement/removal and timer photographing settings.

⚠ NOTE: By default, timer photographing images are sent only to the host's mobile phone. To enable timer photographing images receiving by family members, a short message command needs to be sent via the host mobile phone number for function activation.

Short message command for Enabling Timer Image Receiving by Family Members

MMSTCC1   or   6051

Short message command for disabling Timer Image Receiving by Family Members

MMSTCC0   or   6050

Network Parameter Configuration

Consult the local GSM network operator for the network parameters.

Short message command for setting MMSC and port

MMSC = <mmsc>:<port>	or 400 = <mmsc>:<port>

Short message command for setting MMSGATE

MMSGATE = <ip>	or 401 = <ip>

Short message command for setting MMSAPN

MMSAPN =<name>	or 402 = <name>

Short message command for setting MMS proxy

MMSPXY=<proxy name> or 403 = <proxy name>	

Short message command for setting MMS NAP

MMSNAP=<name>	or 404 = <name>

Short message command for setting UID

MMSUID = < string >	or 405 = < string >

Short message command for setting PWD

MMSPWD = < string >	or 406 = < string >

⚠ NOTE: A command for configuration activation must be sent after all the network parameters are set.

Short message command for network parameters configuration activation

MMSRTM or 407	

Other Commands

Enquiring MMS Alarm System Status

STATUS or 314	

Enquiring MMS Alarm System Time

STIME? or 312	

Setting MMS Alarm System local Information

DESC=<Description> or S17=<Description>	

Descriptive information may be added via this command, such as installation position and users, etc., which will be attached in short messages sent by the MMS Alarm .

Enquiring Local Information

DESC ? or S17	

Loading MMS Alarm System default configuration

LOADF or 812	

Setting Auto Defense Arrangement/Removal Mode

Two defense arrangement/removal modes are preset. Send a short message command for selection.

Short Message Command for Mode 1

MMSMODE1 or 809	

The configurations under the mode are: defense arrangement at 9:00 a.m. and defense removal at 5:30 p.m. and sending status report messages to users at 9:00 a.m. on Monday.

Short Message Command for Mode 2

MMSMODE2 or 810	

The configurations under the mode are: defense arrangement at 9:00 a.m. and 1:30 p.m. and defense removal at 12:00 a.m. and 5:30 p.m. and sending status report messages to users at 9:00 a.m. on Monday.

¶ *Short message commands list*

User	Function	Short message command(you can have either)	
		Character commands	Number commands
host	Binding Host's Phone Number	000000	000000
host	Changing Password	PW<old password>, <new password>	88<old password>, <new password>
host	Adding or Changing Family Mobile Phone Numbers	ADD<phone number>	300<phone number>
	deleting Family Mobile Phone Numbers	DEL<phone number>	301<phone number>
	Enquiring All User Mobile Phone Numbers	PHONELIST	309
host	Adding or Changing Email Addresses	ADD<email>	302<email>
	Deleting Email	DEL<email>	303<email>
	Enquiring Email Addresses	EMLIST	310
host	Adding or Changing Emergency Alarm Phone Numbers	ASO<phone number>	304<phone number>
	Deleting Emergency Alarm Phone Numbers	DSO<phone number>	305<phone number>
	Enquiring Emergency Alarm Phone Numbers	SOSLIST	311
host	Enabling Alarm Messages Receiving by Family Members	MMSACC1	6041
	Disabling Alarm Messages Receiving by Family Members	MMSACC0	6040
Host Family	Alarm Sound Enablement	BUZON	502
	Alarm Sound Disablement	BUZOFF	503
Host Family	Setting Defense Arrangement	DEF	500
	Setting Defense Removal	UNDEF	501
Host Family Guest(need password)	Demanding MMS for User's own Phone	SNAP	600
	Demanding MMS for Appointed Mobile Phones	SNAP<phone number>	600<phone number>
	Demanding MMS for Uesr's own Phone and Appointing Image Size and Quantity	SNAP<Image size>, <image quantity>	600<Image size>, <image quantity>
	Demanding MMS for Appointed Mobile Phones and Appointing Image Size and Quantity	SNAP<phone number>, <Image size>, <image quantity>	600<phone number>, <Image size>, <image quantity>
Host Family(need password)	Setting Image Size, Brightness and White Balance Effect	DSCFMT=<Image size>, <brightness>, <white balance >	601=<Image size>, <brightness>, <white balance >
	Setting Photographing Modes	DSCMODE = < Parameter >	602 = < Parameter >
	Setting Image Quantity in a Multimedia Message	MMSPC = < Parameter >	603 = < Parameter >
Host Family(need password)	Setting 1st Defense Arrangement Time Point Per Day	MTIMER0= <Hour>, <minute>, 2	800 = <Hour>, <minute>, 2
	Setting 1st Defense Removal Time Point Per Day	MTIMER1= <Hour>, <minute>, 1	801 = <Hour>, <minute>, 1
	Setting 2nd Defense Arrangement Time Point Per Day	MTIMER2= <Hour>, <minute>, 2	802 = <Hour>, <minute>, 2
	Setting 2nd Defense Removal Time Point Per Day	MTIMER3= <Hour>, <minute>, 1	803 = <Hour>, <minute>, 1
	Setting 1st Timer Photographing Per Day	MTIMER4= <Hour>, <minute>, 3	804 = <Hour>, <minute>, 3

	Setting 2nd Timer Photographing Per Day	MTIMER5= <Hour>, <minute>, 3	805 = <Hour>, <minute>, 3
	Setting 1st Timer Photographing Per Week	MDATE0=<data>, <Hour>, <minute>, 3	806 = <data>, <Hour>, <minute>, 3
	Setting 2nd Timer Photographing Per Week	MDATE1=<data>, <Hour>, <minute>, 3	807 = <data>, <Hour>, <minute>, 3
	Setting Timer Photographing Interval	MMST = <minute>, 3	808 = <minute>, 3
	Enquiring All Timer Operations	MMSTIME?	313
	Clearing All Timer Operations	CLRTIMER	811
	Enabling Timer Image Receiving by Family Members	MMSTCC1	6051
	Disabling Timer Image Receiving by Family Members	MMSTCC0	6050
	The data parameter is 0-6(sunday to saturday),hour 0-24, minute 0-60		
Host Family(need password)	Setting MMSC and port	MMSC = <mmsc>:<port>	400 = <mmsc>:<port>
	setting MMSGATE	MMSGATE = <ip>	401 = <ip>
	setting MMSAPN	MMSAPN =<name>	402 = <name>
	setting MMS proxy	MMSPXY=<proxy name>	403 = <proxy name>
	setting MMS NAP	MMSNAP=<name>	404 = <name>
	setting UID	MMSUID = < string >	405 = < string >
	setting PWD	MMSPWD = <string>	406 = < string >
	network parameters configuration activation	MMSRTM	407
host Family(need password)	Enquiring MMS Alarm System Status	STATUS	314
	Enquiring MMS Alarm System Time	STIME?	312
	Setting MMS Alarm System local Information	DESC=<Description>	S17
	Enquiring Local Information	DESC ?	S17
	Loading MMS Alarm System default configuration	LOADF	812
	Setting Auto Defense Arrangement/Removal Mode1	MMSMODE1	809
	Setting Auto Defense Arrangement/Removal Mode2	MMSMODE2	810

¶ Maintenance

MMS Alarm System is a product with excellent technique design. The following suggestions will help you to fulfill the obligations in guarantee clause and prolong its service life.

1. Keep all product components out of the reach of children.
2. Keep the product dry. Rain, damp and various liquids or moisture may contain minerals that will corrupt product internal circuit.
3. Do not use or store the product in dusty or dirty areas or the detachable parts will be damaged.
4. Do not put the product in overheated places. High temperature will shorten life of electronic devices, damage batteries and distort or melt some plastic parts.
5. Do not put the product in supercold places or damp will generate inside the product when the temperature rises, resulting in circuit board damage.
6. Do not try to disassemble the product. Operation of non professionals might lead to product damage.
7. Throwing, beating or shaking the product might lead to internal circuit damage.

8. Do not clean the product using strong chemicals, cleaning agents or strong detergents.
9. Do not daub paints on the product as the detachable parts will be blocked by impurity, influencing normal operation.

The above suggestions are applicable for the product and its fittings. If they cannot work normally, please send them to the nearest qualified maintenance organization for necessary maintenance arrangement.

¶ Troubleshooting

Problem	Possible Reason	Possible Correcting Methods
Cannot receive short message commands	Invalid SIM card	Contact with the network operator.
	SMS for the SIM card disabled	Contact with the network operator.
	Wrong setting of SIM card short message center	Put the SIM card into the mobile phone to validate and correct the short message center setting.
	User mobile phone has enabled number withhold function	Cancel number withhold function.
	The phone number is not set as a user number.	Set the mobile phone number as a user number via the host's mobile phone or PC software.
	PIN code request is set for the SIM card.	Put the SIM card into another mobile phone to cancel PIN code request.
	Busy network	Try later.
Cannot receive images	MMS for the SIM card is disabled	Contact the network operator.
	The host has not enabled the function.	Contact the host.
	The mobile phone has no photographing authority.	Request the host to give corresponding authority to the mobile phone.
	Wrong setting of multimedia message receiving of the mobile phone	Refer to mobile phone operation instructions or consult the network operator.
	Busy network	Try later.
Unclear images	Low quality of mobile phone screen	Change for another mobile phone with higher screen quality.
	Feeble environment light	Send images to electronic mailboxes for viewing.
	Mainframe shakes during photographing.	Install the mainframe in a firm place.
Not receiving short message log	Short message log disabled	Enable short message log function via short message or PC software.
	Busy network	Try later.
Forgetting the MMS Alarm System password		Recovery factory settings via PC software.
Cannot receive images of human body induction or door magnet	The host has disabled the function.	Request the host to enable the function.
	The user is unauthorized.	Request the host to give corresponding authority to the mobile phone
	The user has suspended receiving.	
	Wrong installation of human body inductor or door magnet	Refer to the installation guide for the human body inductor and door magnet for details.
	Battery exhaustion of human body inductor or door magnet	Replace batteries.
Failed remote controller	Mainframe power disconnected	Connect the mainframe power.
	Remote controller battery is exhausted.	Replace batteries.
	Out of the remote control range or there are obstacle	Ensure certain distance and no obstacle.

Note: If troubles remain after trying the above methods, please contact the dealer.

The End!

Any questions please help to contact us feel free.

Email Us: Sales@Kingpigeon.com.cn

Http://www.GSMalarmsystem.com

Http://www.Kingpigeon.com.cn

Warranty Card

Model _____   **Product ID _____**

Date of Purchase_____

Date of Production_____

Maintenance Record

_____

_____

_____

Dealer _____