S900 Series

GSM　Remote　Camera

User manual

Hello:

Welcome to use our products! This product use the internal advanced wireless communication technology, high technology which is development by the transducer technology .It's a multifunction viewable burglar alarm. This product is integration the image monitor,automatic monitor,automatic alarm,remote control and the SMS remote control. Volume is compact and have the fashion appearance. It's the indispensable burglar alarm product which is suit for the household,company,workshop and shop use. Have it,you can going monitor at any time. Use your mobile phone and the mailbox to check the monitor photos and the voices from the spot. When you go out,this product is your loyal guards. Once the thieves invasion,our product is built in the outstanding performance and around the clock 300 thousand pixel camera, which will catch the spot photos and send the photos to your mobile phone or the mailbox. At other times,you also can send the instruction to our product and take a picture or monitor. Even if at night,you also can receive the satisfy photos.

This products also can connect to the market's all of the 315/435 MHz's wireless warning sensor. Such as,Wireless infrared body sensor,wireless magnetic contacts,wireless smoke sensor and so on. There are mutual characteristics are the wireless connect and the installation is simple. You can according to your requirements to choose one or more sensors to matching our products to use. When trigger the wireless sensor to give the alarm,our product will use your prefer mode (phone,send multimedia message,send message) to alarm you,your family and the security guard.

Even you are not choose the wireless sensor,our products also can outstanding perform its responsibility. You can start on its motion detection function. Once anyone illegality enter to your room,our product will give an alarm immediately.

Our product is your ideal monitor center. It's will be your trustiness security defense for your daily life and the workplace.

All serves and functions may require the network or the SIM card to achieve. The complete operation instructions and the product functions info,please consult to this manual.

Not!ice

Please make sure to remember and save this products' password and the SIM card No. And not leak to the others in order to ensure your private location's privacy and the safety.

Safety Notice

■ This product possess a device which have the wireless signal emitter function,so when you use it,please make sure to far from the electrical device which is susceptible to disturb by the wireless signal in order to avoid the disturb by the electromegnetic signal.

■ During the "explosion area" "possible to explosion area" and the "close the wireless received & transmitter device" or the similar slogan district (such as the hospital,gas station or airport),please make sure to close this products.

■ Please don't throw this product into the naked flame, or it's will give rise to the battery explosion.

■ Please only use the orginal power adapter. Use the other power adapter which is without the permission will damage this product.

■ This product and its accessory must not touch by the children.

Declaration

■ Our company's product will go on improving and development. We are reserved the right to modify and improve this files' description and without the advance notice.

■ This file is provided according to the products' current situation. We are reserved the right to modify and draw back this file at any time and without the advance notice. The latest file info,please consult to the web site's correlation content. Our company must not in any way or acquiesce to guarantee this files' accuracy,reliability and the contents unless the applicable law have the other specified. Our company must not in any way or acquiesce to guarantee this files' accuracy,reliability and the contents,it's including but not limit to the guarantee of the marketability and the applicability.

■ In any case, our company shall not bear the responsibility of any data ,property and the income lost or not bear the responsibility at any special,accident,accessory or the indirect lost, regardless of this lost is give rise by any reason.

■ Please use this product lawfully. Please not monitor other people's house and invasion other's privacy right. If infringement due to this reason,it's not relevant to our company.

Content

1. Product characteristics:

1. This product is use the SIM card which is support the multimedia message's GSM network, it's can send the photos to the multimedia message mobile phone or to the mailbox.

2. Have the CMOS camera and the infrared lamp,support the night infrared photograph.

3. Support the mobile phone message remote,operation is private and safety.

4. Support the mobile phone to monitor the alarm voice.

5. Connect to the 15 pieces wireless alarm sensors and 8 pieces remote controllers.

6. Support to give the alarm by the short message and the multimedia message.

7. Equip the wireless remote control arming,disarming or the emergency alarm.

8. Use the motion detection technology. Alarm accurate.

9. Complete wireless system. The installation is extremely simple.

10.Built in the lithium cell. Can use this product as usual during the power off.

11.Support the mobile phone monitor the spot and record (*)

Note: The * sign function only use in the enhancement mode.

Product accessory

1. Mainframe	1 set
2. Wireless remote controller	2 pieces
3. Switching power (5 V/600 mA)	1 piece
4. User manual	1 piece

2. Terms definition

Any multimedia message mobile phone can base on the password instruction to demand the spot photos.

Any mobile phone if it's can send the short message , can through the password instruction to operation this product.

Therefore,please make sure to remember and save this product's password and the SIM card No. Don't leak to the others in order to make sure the private room's safety.

User rights level

Our products' all users are divided into three levels and have the difference rights:

Master: The Master **must** save the mobile phone No. to the product.(The detail method please see the "4. Quick start,2. Start the product") Or the product will not arming and automatic alarm. The product only accept the unique Master mobile phone No. and the Master have all the services which is supply by our product. This product only alarm to the Master's mobile phone No. or the setting emergency No. The Master must bear the product's password and the SIM card No. in mind. Only the Master can change the product's password.

Family: The family have the right to monitor the spot voice,demand the spot photos,setting the

sensor and remote controller and can send the message to setting the product. If you want to be a family,the Master must save your mobile phone No. to this product. (The detail method please see the "4. Quick start,5. Adding or modify the family mobile phone No.) The family must remember the product's SIM card No.

Guest: If you know the password and the SIM card No. you'll be the guest. The guest use **any** mobile phone to send the message instruction to the product which is including the password,their can demand the spot photos and help,inquire the product's condition.

The Master,family and the guest's right different are as below:

Function / User type		Master	Family	Guest
Change the user Permissions and password		√	×	×
Automatic alarm	Receive the message	√	×	×
	Receive the multimedia message	√	×	×
	Answering the alarm phone	√	√	×
	Receive the mail	√	×	×
Emergency key alarm	Receive the message	√	×	×
	Receive the multimedia message	√	×	×
	Answering the emergency phone	√	√（**Only the emergency phone No.**）	
Call to monitor and ask for the single photograph to the mobile phone		√	√	×
Send the message instruction to inquiry the status,ask for the photograph,help and the specification		√	√	√（**Need the password**）
Ask for the photograph to the mailbox		√	√	×
Send the message instruction to setting		√	√	×
Adding,modify and delete the sensor		√	√	×
Setting the Chinese/English version		√	×	×

Arming/ automatic alarm

The arming status is means that the product is on the alert condition,the product which connected to the wireless sensor and (or) the motion detection function are all on the working condition.

When the product is on the arming status,if the wireless sensor detect the unnormal and when the motion detection are start on,there are someone who come to the range of the videography,the product will send the alarm multimedium message and the spot photos to the Master or automatic to calling the Master to alarm.

Disarming

The disarming status is means that the product is disarm the alert condition,the product which

ask for the photograph

Master/family/guest can send the message to the product to ask for the spot photograph.

Master/family also can calling to the product to ask for the spot photograph (require to setting).

Monitor on the spot

Master/family can calling to the product to monitor the spot voice. But it's only can get through one line at the same time. So the Master and the family must not monitor simultaneity.

Setting

Through sending the instruction message to setting all the command.

Emergency mobile phone No.

When you are at the emergency condition,the user press the remote controller's emergency key alarm,the product will not only call to the Master but automatic calling the emergency mobile phone No. This No. can be the security guard,family's mobile phone No. and also can be any emergency rescue phone No. Only the Master have the right to setting this items. The Max. No.of the emergency No.is 5 groups.

3. Installation

Mainframe instruction
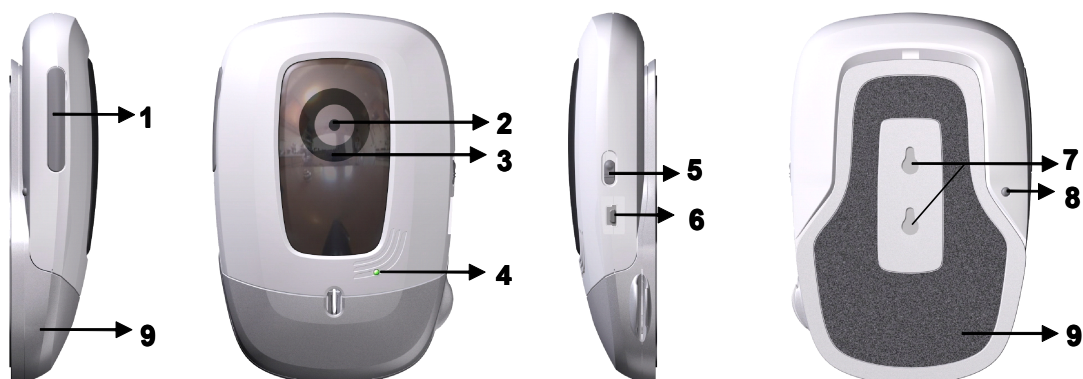
Figure 1 Mainframe schematic diagram

1. SIM card seat (rubber cover)   6. Power socket (standard USB port)
2. Camera   7. Hanger

3. Infrared lamp   8. Setting key
4. Indicator light   9. Base
5. Power switch   10. Catching groove

Remote controller instruction
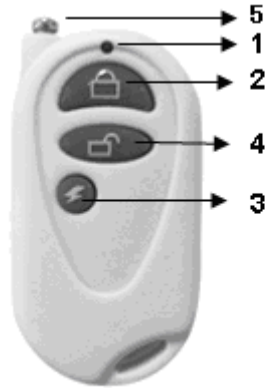
Remote controller

Figure 2 Remote controller schematic diagram

1. Remote controller indicator lamp   3. Emergency key
2. Arming key   4. Disarming key   5. Antenna

The indicator lamp's status instruction

The indicator lamp represent this product's working status are as follows:

Color	Motion	Represent
Red	Slow blink	During the start up, means to seek the network
	Quick blink	Sensor alarm,The motion detection alarm
	Constant on	During the start up,if it's constant on,that's means you are not loaded the SIM card or this product have the malfunction.
Green	Constant on	Arming status,can give the alarm
	Slow blink	Disarming status,can't give the alarm
	Quick blink	Data processing
	On 2 Seconds	Success return to the default setting, Success to learn the sensor
Orange	Blink	Learn the remote controller status
Red Green	Two colors blink alternatively	Learn the sensor status

Installation

1. Install the SIM card

Open the mainframe side's **rubber cover** from the upper end,you can see a small dot beside the SIM card seat. Press this dot one time then pop up the card seat. Take out the card seat and clip the SIM card and then press the card seat back . After that close the **rubber cover**.

Note: This mainframe only support the China Mobile's SIM card,must turn on the multimedium message function and not open the SIM card's PIN code.

2. Unfold the mainframe's base

Grasp the mainframe's two ends to draw. Now the base's **catching groove** is undraw.

Raise the mainframe head to the up.

Rotate the mainframe head at the front and back,left and right direction.

3. Plug the external power

Plug the initial **switching power**'s one end to the power socket and the other end to the mainframe's **power port**.

4.Fixed the mainframe

Use the screw to fixed the mainframe on the wall (the hanger on the base seat can use to hanging) or lie the mainframe to the suitable place and aim the camera lens at the monitor district.

Choose the installation place:

■ Must avoid to **face** the strong light source during the installation (such as the window and so on) so as not to give rise to the backlight effect and influence the image quality.

■ GSM network signal's strong and weak will effect the monitor quality and the multimedia message's sending speed. Please choose the place where the network signal receiving is better to installation this product's mainframe. You must avoid to install this product into the sheet iron room and inside the metal roof construction.

■ After you installation this product,please try to take some pictures and send to the mobile phone to check the effect and adjust this product's position and angle until reach the satisfy image.

■ If you use the motion detection,it is better to choose the position about 5 m to far from the monitor district and avoid to appear the digital product,curtain,mirror and so on glisten and shake objects.

4. Quick start

The important instructions about the short message command:

1) **This product's short message have the digital and phonetic alphabet two formats. The two functions are complete different. You can choose any prefer format's short message command. (Details are see the .Short message's command table)**

2) **The Master,family and the guest have the different short message format. The Master and the family's short message is simple and don't need to add the password,but the guest must add the "password #" (Details are see the   Short message's command table,guest's short message format) . "Password" is means this product's four digits numerical password. If you not change it,the password is the default setting 1234.**

3) **The Max. "Mobile phone No." digits in the short message command can only have 16.**

4) <u>**Do not miss the # in the short message command,and the letters in the short messages are use upper case.**</u>

1. Turn **on/ Turn off**

Power on: **Press the power switch up**. The indicator lamp is from the red constant on about 3 to 5 seconds and then become to red slow blink. Pass about 30 seconds,the indicator lamp change to the green slow blink (means disarming) or green constant on (means arming). It's means this product find out the network and enter to the normal working condition. The other detail status are see the indicator lamp instruction.

Power off: **Press the power switch down** and then pull up the power socket.

2. Start on the product

Method 1: Use your mobile phone to call this product,you'll hear that the phone is hang up after the connection. That's means this product is already mutual binding with your mobile phone.

Method 2: Use your mobile phone send any short message as below to this product:

        #00#   or   #QY#

When you success to according to the above method to start up this product,you phone will receive a reply short message from the product. "Welcome to use this product. Success to start. The password is 1234. Happy to use!"

3. Binding with the wireless remote controller

Already binding the wireless remote controller before leave the factory. After start up the product, when you press the arming key ,if you are not hear the "DI" voice, you must re-learn the binding, the usage method is as below:

After the start on,press the mainframe back's setting key to enter to the learning status. The indicator lamp is change to orange slow blink. Press any key of the remote controller,the remote controller indicator lamp is on. When the product receive the signal,it's will emit the "DI" voice, the green light constant on 1 second is means confirm and then change to the orange light slow blink,now you can re-learn the remote controller. After 15 seconds, it's will automatic exit to the learning status.

4. Arming

Directness to press the remote controller's arming key. After you press the key,you'll hear the "DI" voice and at the same time the Master's mobile phone will receive a short message "success to arming". The indicator light is change to the green constant on.

5. Disarming

Directness to press the remote controller's disarming key. After you press the key,you'll hear the "DI" voice and at the same time the Master's mobile phone will receive a short message "success to disarming". The indicator light is change to the green blink.

6. Ask for the photograph

Regardless of the product status is arming or disarming,the Master and the family can ask for spot photograph from this product.

Ask for one photo each time:

Method 1: Use the Master or family's mobile phone to call this product No. and hang up the phone during the 4 seconds after hear the ringing. And then you'll receive the multimedia message photo.

The other users who call the product No. will be hung up and will not receive the multimedia message photo.

Method 2: Use your mobile phone to send any short message as below to this product:

The Master and the family send: #03#   or   #PZ#

The guest send: #03# **Password**#   or   #PZ# **Password**#

Ask for multiple photos each time:

If the user ask for multiple photos,must use the mobile phone send any below short message to this product:

The Master and the family send: #03# **Pieces**#   or #PZ# **Pieces**#

The guest send: #03# **Password**# **Pieces**#   or #PZ# **Password** # **Pieces**#

When the photo image's size is setting to 160×128 or 320×240,this product can be asked for 5-8 pieces photos at most each time. So the photo should be from the 1 to 8 **pieces**. When the photo image's size is setting to 640×480,you only can ask for 2 pieces photos at most each time. So the **pieces** of the photo should be from the 1 or 2.

After the product receive the request,it's will reply the short message "Already receive your request,sending the multimedia message" and then send the spot photos to your mobile phone.

7. Monitor the spot

Initiative monitor

The Master mobile phone put through the product No. can monitor the spot voice.

Emergency key monitor

The user press the remote controller's emergency key,the product will automatic call the Master's phone No. and then the Master can hear the spot voice after the phone put through.

8. Inquiry the status

If the user want to know the product setting and its current working status,you can send the any short message to the product as below:

The Master and the family send: #07#   or   # CX#

The guest send: #07# **Password**#   or   #CX# **Password**#

9.Ask for help

If the user forget the short message comment,you can send a short message to this product to ask for the short message command table. The product will reply the multimedium message and send

the command table to the user's mobile phone.

Ask for the common command:

send the any short message to this product as below and then the product will send the short message to reply the user:

The Master and the family send: #09#1#   or   # BZ#1#

The guest send: #09# **Password**# 1#   or   # BZ# **Password**#1#

Ask for the detail instruction:

Send the any short message as below to this product and then the product will send the instruction to reply the user

The Master and the family send: #09#1#   or   # BZ#1#

The guest send: #09# **Password**# 1#   or   # BZ# **Password**#1#

10. Return to the default setting

When the product's setting status is error or the error can't resume even though power off, you can through the below operation return the product to the default status (Clear all of the settings, including the Master's phone No.) to resume to the normal working.

Method 1: Pull down the product's **power switch**. Pull up the power socket and then after 20 seconds plug the power switch. First press the product back's **setting key** and **pull up the power switch** untill you hear the buzzer give off two short voice "DI DI". That's means this product is already return to the default setting.

Note: After the user return this product to the default setting, the mainframe require to re-learn the receiving of the remote controller's signal. Please according to the operation of the "5. Advanced operation, 4. Added new wireless remote controller"

Method 2: The Master's mobile phone send any short message as below to this product:

#08# **Password**#   or   #CCSZ# **Password**#

Success to return to the default setting,the product will reply the message: "Return to the default setting success". At present,**Pull down** this product's power switch and then **pull up** the power switch to re-start this product.

5. Advanced operation

1. Change password

(Operation: Master)

Use the Master's mobile phone to send any short message as below to this product and then you can change the password. Only the Master have the right to change the password.

#04# **Old password** # **New password** #   or   #MM# **Old password** # **New password**#

Therefore,the **Old password** is four digits password. If you are not change,its default password is 1234. If you change it,the password is the after change password. **New password** is your re-setting 4 digits password. Please immediately change your password after you start on the product in order to ensure the operation is privacy and safety. Success setting the password,you'll receive a reply message from the product "Password is change success. new password is XXXX".

2. Change the Master's mobile phone No.

(Operation: Master)

Only the Master have the right to change the Master mobile phone No. The Master can send any short message as below to change the Master mobile phone No.

#14#New Master's mobile phone No.#　　or　# XGZR# New Master's mobile phone No. #

After you success setting,the Master will receive a reply short message "Change the Master　No. The new No. is XXXXX". The former No. is ineffective.

3.Add or delete the family's mobile phone No.

The detail different between the family and the Master please see the "2. Term definition, User's right instruction". The family's mobile phone No. to send the command should not need to add the password.

Add: (Operation: Master)

To be a family, the Master must send the any short message as below to the product and save the family's mobile phone No. into the product. The Max. phone No. is 5 pieces.

#06#**Family's mobile phone No.**#　　or　# ZJJR# Family's mobile phone No.#

After the success setting,the product will reply to you a short message: " Success to add the user. The No. is XXXXXX ". If the adding No. is more than 5 pieces,you going to add the user,the product will reply to you " the family No. is full". If you repeat setting the same phone No. The product will reply to you "XXXXXX No. is already existed"

Note: The **family's phone No.** can be the mobile phone,telephone or handphone. If it's the telephone or the handphone,you must add the area code before the phone No. The telephone and the handphone can't receive the multimedia message at present (need the network support). It's only can use the phone to monitor.

Inquire: (Operation: Master,Family,Guest)

Detail is see 10. Inquire status

Delete: (Operation: Master)

The Master send the any short message as below to this product and delete the correspond family phone No.

#113# **Family's phone No.**#　　or　#SCJR# **Family's phone No.**#

If you only send the #113 or #SCJR#,you can delete all the **Family's phone No.**

Regardless of you delete one family phone No. or all of the family phone No.,when you success delete,the product will send you a reply short message " Success to delete the family phone No."

4. Add or delete the emergency phone No.

(Operation : Master)

Add or delete the emergency phone No.

Use the Master's phone No. to send any short message as below to the product:

Add: #106# **Phone No.**#　　or　# ZJJJ# **Phone No.**#

When you success to setting,the product will reply to you "The emergency No. is success adding. The No. is XXXXXX" . If the adding No. is more than 4 pieces,you going to add the new phone

No.,the product will reply to you " the emergency phone No. is full". If you repeat setting the same phone No. The product will reply to you "XXXXXX No. is already existed".

Delete: #107#　or　# SCJJ#

When you success to setting,the product will reply to you " Success to delete the emergency phone No."

Adding the emergency phone No. is one by one,but delete the emergency No. is delete all,only keep the Master's phone No.

Note: **Emergency phone No.** can be the mobile phone,telephone or handphone. If it's the long distance No. you must add the area code before the phone No. The telephone and the handphone can't receive the multimedia message at present (need the network support). It's only can use the phone to monitor.

The Master can setting call the phone or send the short message (multimedia message) two **emergency keys** to alarm.

Setting the emergency alarm mode:

Use the Master's phone to send any short message as below to the product:

#39# **Value**#　　or　# JJBJ# **Value**#

When the Value is 0,it's will call the phone to the Master No. and the emergency No. in sequence. (If the Master phone has no answer,It's will call to the emergency phone No. in sequence until get through. All the phone No. only call one time and not repeat dial. (When you get through,you'll hear the alarm spot voice). When the value is 1,it's send the short message and the multimedia message to the Master phone No. The default setting is 0.

After the success setting,the product will according to the setting to reply "Emergency alarm calling is success" or "Emergency alarm multimedium message is success"

Inquiry:

Details are see 10. Inquiry status

5. Wireless remote controller's operation instruction

The wireless remote controller have 3 keys: Arming key, Emergency key, Disarming key

When you press the arming key,the mainframe's indicator light is green constant on and now enter into the arming status. If the wireless sensor is triggered or the image is moving on the spot, all of these will trigger the mainframe to give alarm,calling phone or sending the short message/ multimedium message.

When you press the emergency key, the indicator light is red quick blink. The default alarm sequence is calling the Master and the **emergency phone No.** If the former phone is not answer and then call the next phone in sequence until the phone is get through or nobody answer the phone and automatic exit.(The detail setting method is see the 4. Quick start. 5. Emergency key alarm)

When you press the disarming key, the mainframe's indicator light is become to the green slow blink,now the product is enter into the disarming status. Unless you press the **emergency key**,otherwise the other alarm can't trigger the mainframe to warning.

Note: If the wireless remote controller is failure,maybe it's loss the remote controller info when your mainframe return to the default setting. Please according to the below instruction "add the new wireless remote controller" to operation.

Add the new wireless remote controller

If the user need to add the new remote controller or the former remote controller is failure, please

according to the below method to let this product learn how to receive the remote controller signal:

When this product is green constant on or blink,light press the mainframe back's **setting key** then enter into the learning status. The indicator light is become to the orange slow blink. Now press any key of the new remote controller to emit the info to let the mainframe to learn. When the mainframe receive the new wireless remote controller's signal,the mainframe's buzzer will ring to affirm. After the affirm,the light will change to the orange slow blink. Now you can go on to learning. If you are not go on to learning the new remote controller,it's will automatic exit to the learning status after 15 seconds or press any **setting key** to exit.

This product can external connection with the 8 pieces wireless remote controller at most.

6. Arming

(Operation: Master,Family)

The arming status is means when this product on the arming status,all of the wireless sensors and/or motion detection functions are all on the working condition, if any wireless sensor or the motion detection is alarm,this product will warning at once. During the arming condition,the motion detection function can be close alone. (Details are see 5. advanced operation. 6. Motion detection).

When this product is green blink,it's means on the disarming status (non-warning status). If you want to resume this product to the arming status,following have two methods to reach:

Method one: Send any short message as follow to this product.

Master and the family send: #01#   or   # BF#

Guest send: #01# **Password**#   or   #BF# **Password**#

Method two: Press the remote controller's **"Arming key"** to arming

When you arming success,you'll receive a reply message from this product: "Arming success". This product's indication light will change to the green constant on.

Default arming status: Red light on. Send the multimedium during the warning. The motion detection function is open. Multimedium image size is medium. It's only send 5 pieces photo during the warning. 3 pieces size is 160x128,the other 2 pieces size is 320x240.

The detail arming status' warning type is see the 5.Advanced operation. 5. Automatic warning type".

7.Disarming

During the disarming status,this product will not give off any warning (unless press the remote controller's emergency key) .

Cancel all of the wireless sensor and the motion detection function's warning status.

Method one: Send any short message as below to this product.

The Master and the family send: #02#   or   #CF#

Guest send: #02# **Password**#   or #CF# **Password**#

Method two: Press the remote controller's **"disarming key"** to disarm.

When you success,you'll receive a reply message from this product: "Disarming success". This product's indication light will change to the green blink.

8. Wireless sensor

If only the wireless warning sensor's frenquency is 315/433 MHz. Such as the wireless infrared body sensor,wireless magnetic contacts,wireless smoke sensor and so on are all can as the warning sensor to trigger this product to alarm. The wireless sensor is provided by the user.

Add the wireless sensor:

(Operation: Master, Family)

a) Turn on the wireless sensor power and enter to the working condition.

b) The Master or the family send any short message as below to this product,the product will enter to the wireless sensor's learning status.

#05# **Sensor description**#　or　# CGQ# **Sensor description**#

Therefore, **"Sensor description"** is the Chinese description. It's means the Master naming the each sensor in order to identify the alarm from the different sensor's warning info. The description length is 20 characters.

Such as: #05#door#

If you only send the #05# or #CGQ# and not have any sensor description. This product will default setting the sensor is X (X is the figure. It's the sensor's figure No. It's will increase from 1)

c) After you receive the short message,this product is red green alternate blink and reply to short message "learning the sensor" During the red green alternate blink,let the sensor working one time. Such as: If this is the wireless magnetic contact, so let the magnetic contact open and close one time in order that this product will receive the magnetic contact's wireless signal. Return to the spare time status when success to learning the sensor and reply "sensor X learning success".

d) If the sensor learning is un-success or not have the sensor to learning, after the red green alternative blink about 1 minute,this product will automatic exit to the learning status and return to the arming or disarming status.

e) This product can external connection with the 15 pieces wireless sensor at most.

Modify the wireless sensor:

During the add wireless sensor's step 2,if your sending **sensor description** message is the same as the existing sensor,this product will re-learning the new sensor to replace the former sensor. The other steps is the same as the add sensor.

Delete all of the wireless sensor:

(Operation: Master,family)

The Master and the family's mobile phone send any short message as below to this product:

#112#　or　#SCCGQ#

After success delete,this product will reply a short message " Success to delete the sensor"

9. Automatic alarm mode

This product can through the motion detection,wireless sensor and press the remote controller's emergency key three methods to trigger alarm. The former two mode is the automatic alarm. Its default mode is send the short message and multimedium photos.

The Master and the family can send any short message as below to this product to setting the automatic alarm mode:

Not send the short message during the alarm: #11#0#   or   #DX#G#

Send the short message during the alarm (default): #11#1#   or   #DX#K#

Not send the multimedium photos during the alarm: 12#0#   or   #CX#G#

Send the multimedium photos during the alarm (default) : 12#1#   or   #CX#K#

Not call the Master's mobile phone during the alarm (default): #13#0#   or #DH#G#

Call the Master's mobile phone during the alarm: #13#1#   or #DH#K#

Not send the photos to the mailbox during the alarm: #110#0#   or   # FSYX#G#

Send the photos to the mailbox during the alarm: #110#1#   or   # FSYX#K#

Send how many photos during the alarm: #33# **Pieces**#   or #BJZS# **Pieces**#

The **pieces** is from the 1 to 8. The default is 1 piece. And the Max. is 8 pieces. If the photo size is setting to 640×480 (pixel),then it's only can send 2 pieces at most.

Note: If you setting the send short message,send multimedium message and calling the phone three modes at the same time, the product will first send the short message and the multimedium message and then calling the phone. Besides,each alarm mode is only carry out one time.

10. Motion detection

(Operation: Master, family)

The motion detection is the technology which through the discrepancy between the fore and after image to identify the illegal invasion.

The product must during the arming status and the motion detection function is open. The detail arming method please see the (4. Quick start. 7. Arming). After success to arming,the default setting is motion detection open.

Note: Please in the stationary circumstance to use the motion detection. Such as you must let this product face to the stationary indoor circumstance and not face to the window's swing tree or the other running object,or else this product will always on the warning condition. If you turn on the multimedium (or short message) function,the Master and the family will go on receive the unnecessary warning info. Besides,it's will give rise to this product's system halted malfunction. (Please according to the " 7. General failure recovery" to dispose)

Master or family's mobile phone can send the short message as below to this product:

Close the motion detection: #22#0#   or   #YDZC#G#

Open the motion detection: #22#!#   or   #YDZC#K#

Motion detection's sensitivity: #36# **Value**#   or   #ZCLMD#**Value**# (Instruction: **Value** can choose 1,2,3,4 and 5. Therefore the sensitivity is crescendo from 1 to 5. The default setting is 3. During the sensitivity 3,this product is sensitivity to the body size's object.)

11. Setting the photo image

(Operation: Master, family)

Setting the photo image size:

Master and family's mobile phone send the short message as below can setting the image to the three different size. Therefore,When the value is 1,the (QCIF) size is 160 × 128 (pixel). When the value is 2 (CIF) the size is 320 × 240 (pixel). When the value is 3 (VGA),the size is 640×480 (pixel). The system default CIF size is 320×240 (pixel).

#32# **Value**#   or   #TXDX# **Value**#

Setting the photo image's brightness:

Use the Master and the family's mobile phone send the short message as below to setting the image to 5 different brightness. The value is 1,2,3,4 and 5 (1 is Min. brightness,5 is Max. brightness). The default setting value is 4.

#34#**Value**#   or   #TXLD#**Value**#

Setting the photo image's direction:

This product's mainframe panel can overall rotation. When you fixed the position,you must send the short message as below to set the photo's direction. When the value is 1, it's the mainframe headstand's photo (means headstand the product to take a picture). When the value is 2,it's the mainframe traverse's photo (the mainframe's long side is face down). When the value is 3,the product is normal lay on the horizontal plane to take a picture. The default setting is 3.

#35#**Value**#   or   #TXFX#**Value**#

Setting the photo image's contrast ratio

Use the Master and family's mobile phone to send the short message as below to setting 5 different contrast ratios. The value can be 1,2,3,4 and 5. Therefore,the constrast ratio is crescendo from 1 to 5. The default value is 1.

#38#**Value**#   or   # TXDBD#**Value**#

12. Mailbox

(Operation: Master, family)

Master and the family can send a short message as below to add the mailbox,delete mailbox and whether send to the mailbox or not etc.,setting. When you success to setting **send to the mailbox**, this product will send the spot photos to your added mailbox.

Add/Modify the mailbox: #108# ***EMAIL#***   or   **#**YX#***EMAIL#*** (***EMAIL*** is mean the mailbox's specify address. And you only can setting one mailbox. The new mailbox will replace the former one)

Delete mailbox: #109#   or   #SCYX#

13. Infrared lamp

(Operation: Master,family)

The device will according to the circumstance's brightness to automatic open the infrared lamp. In order to save the power,you can close the infrared lamp. During your close the infrared lamp, you can't receive the clear photos at night. And you also can't use the move detection. The short message command is as below:

Open the infrared lamp: #31#1#   or   #HW#K#

Close the infrared lamp: #31#0#   or   #HW#G#

14. Setting the multimedium message center and APN parameter

(Operation: Master)

Already setting the multimedium message when leave the factory. So the user don't need to setting. But when you at abroad or use the other supplier's SIM card,you need to setting the multimedium message center.

The command of setting the multimedium message center is :

#124#multimedium center #   or # CXZX# multimedium center#

For example: #124# http:\\mmsc.monternet.com#

The command of setting the APN short message is:

#125#gateway IP# gateway port# APN user# APN password#

or #CXSZ#gateway IP# gateway port# APN user# APN password#

For example: #125#10.0.0.172#9201#cmwap###

15. Timing automatic arming or disarming

(Operation: Master,family)

The Master can according to the working time to let this product arming or disarming.

Open the automatic arming function:

Send the short message command: #115#1#   or   #ZDFS#1#

Close the automatic arming function:

Send the short message command: #115#0#   or   #ZDFS#0#

Setting the arming time range:

Send the short message command:

#116#Working day# Period 1 starting time# Period 1 finish time # Period 2 starting time # Period 2 finish time # Period 3 starting time# Period 3 finish time #

or

#ZDFS# Working day# Period 1 starting time# Period 1 finish time # Period 2 starting time # Period 2 finish time # Period 3 starting time# Period 3 finish time #

Note: Each period must according to the starting time and the finish time to setting. And the starting time and the finish time can setting 1-3 three period.

Therefore, Working day,starting time and the finish time are as below:

Working day: (1 digit figure, 0-9)

0 means everyday period	8 means from Monday to Friday	9 means Saturday and Sunday
1 means Monday	2 means Tuesday	3 means Wednesday
4 means Thursday	5 means Friday	6 means Saturday
7 means Sunday		

Starting time-finish time: 4 digit figure. Use the 24-hours system. From 0000 to 2400. The starting time must small than the finish time. Such as the arming time is from pm 8 to the next day am 6, so you can setting like this: 2000-2400 0000-0600

16. Chinese and the English version mutual switch

(Operation: Master)

This product is support the Chinese and English bilingual to display the prompt message. Master can send the short message to choose the Chinese or English prompt langauge.

Choose the Chinese version short message command: #127#0#   or   # SZYY#0#

Choose the English version short message command: #127#1#   or   # SZYY#1#

17. Inquiry status

(Operation: Master,family,guest)

If you want to know the display's setting condition and working status,you can send the short message command as below. The user will receive a multimedium message about the detail setting condition.

Master and family send: #07#　or #CXZT#

Guest send:　　　　　#07# Password#　or　# CXZT# Password#

18. Ask for help

(Operation: Master,family,guest)

If the user forget the short message command,you can sent a short message command to ask for the common short message command or the detail multimedium message instruction. This product will reply to you a short message or multimedium message to sent the contents to your mobile phone.

Short message help ask for:

Master and family send: #09#　or #BZ#

Guest send:　　　　　#09# Password#　or #BZ#Password#

Multimedium message help ask for:

Master and family send: #09#1#　or #BZ#1#

Guest send:　　　　　#09# Password# 1#　or #BZ#Password#1#

19. Return to the default setting

(Operation: Master)

When this product's setting status is failure or the working is disorder,you can according to the operation as below to return to the default setting (clear all of the user's setting,including the Master's mobile phone No.) to resume to the regular work.

Method 1: Pull down this product's power switch. After 10 seconds,press the setting key and pull up the power switch and waiting until you hear the "DI DI" two voice ,then un-press the setting key. The green light is on 2 seconds. The red light is blink. Then you'll hear the "DI" voice,that's means the default setting is success.

Method 2: Use the Master's mobile phone to sent the short message as below:

　　　#08# Password#　or　#CSSZ# Password#

　　　After reply to the default setting,you'll receive the short message " Success return the default setting"

Note: The # sign function only suit to use in the enhancement type product.

6. Maintenance

1. Please according to the specify temperature to use and save this product and avoid to the hot source. Over hot or over cold will damage the device.
2. This product is not have the waterproof function. Please remain the dry of the device and accessory. Don't use this product in the bathroom or the other high humidity place.
3. Don't use and save this product in the dust place.
4. Please use the soft humid cloth to clean this product's shell. Don't use the alcohol, acetone and the similar thinner to clean the shell.
5. Don't open the device's shell to maintenance by yourself. If your device is unnormal,please according to the "General troubleshooting" to disposal. If you also can't resolve,please contact with the dealer as soon as possible.
6. In order to maintain the battery's effectiveness, when you are not use this product for a long

time,please plug the power 4 hours for every 3 months. The mainframe will automatic to charge the built in lithium ion.

7. General troubleshooting

No.	Troubles	Possible cause	Suggestion
1	Can't start the device	Already setting the Master	Return to the default setting
2	The function can't acheive	SIM card is not open the caller ID display. Not open the multimedium message function The wrong short message center setting.	Contact to the operator to open these function
3	Indicator light is red constant on	Can't detect the SIM card The power contact is bad The SIM card's PIN code is be open	1. Re-insert the SIM card 2. Check the power socket 3. Close the SIM card's PIN code
4	After start on the device,the red light is always blink	Bad signal	Change the installation place
		The SIM card's PIN code is be open	Close the SIM card's PIN code
5	Can't receive the reply short message	The wrong short message center setting.	Insert the SIM to the mobile phone and setting the right short message center
6	Can't receive the reply multimedium message	The wrong multimedium message center setting.	Reference the multimedium center and the APN setting
7	The remote controller is not sensitivity when the distance is close	Lack of the mainframe's electric quantity.	Connect the external power to the mainframe
		Lack of the remote controller's electric quantity.	Change the battery
		Not pull out the antenna of the remote controller.	Pull out the remote controller antenna
		The mainframe is sending the multimedium message	Wait a moment and retry.

8. Main technology parameter

Power adapter	Input: 100V～240V/50Hz Output :5V DC
Working temperature	-10℃～+45℃
Storage temperature	-20℃～+60℃
Relative humidity	10-90% No condense
Operating frequency	EGSM900、GSM1800、GSM850、PCS1900
Communication protocol	GSM PHASE 2/2+ (Including the data service)
Wireless sensor's receive mode	ASK
Wireless sensor's receive frenquency	315 MHz/433MHZ

Wireless sensor's allowed quantity   15 pieces
Wireless remote controller's receive frenquency   315 MHz
Wireless remote controller's effective distance   15m (No obstacle)
The photo's file format   JPEG
The photo's resolution ratio   QCIF(160×128)、CIF(320×240)、VGA(640×480)
The camera's resolution ratio   300 thousand pixel
The camere's shooting angle   60 degree (horizontal)   60 degree (vertical)
The best shooting distance at night   ≤6 m
Built in lithium-ion battery   800mAh
Battery standby time   24 hours (effective by the network condition)

Appendix. Short message command table

User	Function	Short message command (Figure or phonetic)	
		Figure	**Phonetic**
Master	Start on this product	#00#	#QY#
		Instruction:Detail is see "4.Quick start 2. Start the product"	
Master (The family and guest have no right)	Modify the password	#04 # **old password # New password#**	#MM# **old password # New password#**
		Instruction:Detail is see "4.Quick start .3. Modify password	
	Modify the Master's password	#14# **Family's phone No.#**	#XGZR# **Family's phone No.#**
		Instruction:Detail is see "5. Advanced operation. 2. modify the Master's phone No."	
	Add the family's mobile phone No.	#06#**Family's phone No. #**	#ZJJR# **Family's phone No. #**
		Instruction:Detail is see "5. Advanced operation.3. Add and delete the family's phone No."	
	Delete the family's mobile phone No.	#113#**Family's phone No.#**	#SCJR# **Family's phone No.#**
		Instruction:If you are not add the specify phone No. in the command,that's means delete all the phone No.	
	Add the emergency phone No.	#106#**Phone No.#**	#ZJJJ#**Phone No.**#
		Instruction:Detail is see "5. Advanced operation. 4. Add and delete the emergency phone No."	
	Delete all of the emergency phone No.	#107#	#SCJJ#
		Instruction: Delete all of the emergency phone No. only save the Master's phone No.	
	Emergency key's alarm mode	#39#**Value**#	#JJBJ# **Value**#
		Instruction: Value is 0:call the phone. Value is 1: sent t	

		he short message and multimedium message	
Master and family (The guest have no right)	Arming	#01#	#BF#
		#01#**Password**#	#BF# **Password**#
		Instruction: Detail is see"4.Quick start. 4. arming"	
	Disarming	#02#	#CF#
		#02# **Password**#	#CF# **Password**#
		Instruction: Detail is see"4.Quick start. 5. disarming"	

User	Function	Short message command (Figure or phonetic)	
		Figure	**Phonetic**
Master and family (the guest have no right)	Add or delete the sensor	#05#**Sensor description #**	#CGQ# **Sensor description #**
		Instruction:Detail is see "5. Advanced operation. 8.Wireless sensor"	
	Delete the sensor	#112#	#SCCGQ#
		Delete all of the sensors	
	Delete the remote controller	#111#	#SCCKQ#
Master,family and guest	Ask for the photo (take a picture)	#03#**Pieces**#	#PZ#**Pieces**#
		#03#**Password**#**Pieces**#	#PZ# **Password**# **Pieces**#
		Instruction: Detail is see"4.Quick start. 6. Ask for the photo" The default setting is 1.	
	Ask for the photo to the mailbox (take a picture)	#03#**Pieces**#1#	#PZ#**Pieces**#YX#
		#03#**Password**#**Pieces**# 1#	#PZ# **Password**# **Pieces**# YX#
		Instruction:The mailbox address must setting in advance. (see detail 5. advanced operation. 12. mailbox)	
	Inquiry status	#07#	#CX#
		#07# **Password**#	#CX# **Password**#
		Instruction: Detail is see"4.Quick start. 8. Inquiry status	
	Ask for common command help	#09#	#BZ#
		#09# **Password**#	#BZ# **Password**#
	Ask for the multimedium message instruction	#09#1#	#BZ#1#
		#09# **Password**#1#	#BZ# **Password**#1#
		Instruction:Detail is see"4.Quick start. 9. Ask for help	
Master (The family and gu	Return to the default setting	#08# **Password**#	#CCSZ# **Password**#

est have no right)		Instruction: Detail is see"4.Quick start. 10. Return to the default setting	
Master (The family and guest have no right)	Not send the message when alarm	#11#0#	#DX#G#
	Send the message when alarm (default)	#11#1#	#DX#K#
	Don't call to the Master when alarm (default)	#13#0#	#DH#G#
	Call to the Master when alarm	#13#1#	#DH#K#
	Don't send the photos to the mailbox when alarm (default)	#110#0#	#FSYX#G#
	Send the photos to the mailbox when alarm	#110#1#	#FSYX#K#
	Don't send the multimedium message when alarm	#12#0#	#CX#G#
	Send the multimedium message when alarm (default)	#12#1#	#CX#K#

User	Function	Short message command (Figure or phonetic)	
		Figure	**Phonetic**
Master and family (the guest have no right)	Close the motion detection	#22#0#	#YDZC#G#
	Open the motion detection	#22#1#	#YDZC#K#
		Instruction:Detail is see "5. Advanced operation. 10.motion detection"	
	Motion detection sensitivity	#36#*Value*#	#ZCLMD# *Value* #
		Instruction: *Value* can choose the 1,2,3,4 and 5.The default value is 3.(The sensitivity is increase from 1 to 5)	
Master and family (the guest have no right)	Photo image size	#32#*value*#	#TXDX#*value*#
		Instruction: When the value is 1:The QCIF size is 160×128 (pixel) When the value is 2 (default):CIF size is 320×240 (pixel) When the value is 3: VGA size is 640×480 (pixel)	
	Photo image's brightness	#34#*value*#	#TXLD#*value*#
		Instruction: The *value* can choose:1,2,3,4,5 (1 is means dark,5 is means highlight. The default value is 4.	
	Photo image's contrast ratio	#38#*value*#	#TXDBD #*value*#
		Instruction: The *value* can choose:1,2,3,4,5.The default value is 1.(The contrast ratio is increase from 1 to 5)	
	Photo image's direction	#35#*value*#	#TXFX#*value*#

		Instruction: **Value** 1 is headstand, 2 is traverse, 3 is normal. The default setting is 3.	
Master (the family and guest have no right)	Setting the multimedium message center	#124#multimedium message center#	#CXZX#multimedium message center#
	Setting the multimedium message APN parameter	#125# gateway IP # gateway port#APN#APN user#APN password#	#CXSZ# gateway IP #gateway port #APN#APN user#APN password#
		Instruction: Detail is see "5. Advanced operation. 14.setting multimedium message center and APN parameter	
Master and family (the guest have no right)	Add/delete the mailbox	#108#**EMAIL**#	#YX#**EMAIL**#
		Instruction: **EMAIL** is the mailbox address.(you only can setting one address,if you setting the other,it's will replace the former one)	
	Delete the mailbox	#109#	#SCYX#

User	Function	Short message command (Figure or phonetic)	
		Figure	**Phonetic**
Master and family	Close the infrared lamp	#31#0#	#HW#G#
	Open the infrared lamp	#31#1#	#HW#K#
Master and family (the guest have no right)	Open the timing arming/ disarming	#115#1#	#ZDFS#1#
	Close the timing arming/ disarming	#115#0#	#ZDFS#0#
	Setting the arming time range	#116#Working day# Period 1 starting time# Period 1 finish time # Period 2 starting time # Period 2 finish time # Period 3 starting time# Period 3 finish time #	#ZDFS# Working day# Period 1 starting time# Period 1 finish time # Period 2 starting time # Period 2 finish time # Period 3 starting time# Period 3 finish time #