GSM voice active monitoring module

Feature :

The device is more powerful than the device, adding many functional function. Smaller size, tri band GSM module, phone line active alarm mode, voice active alarm mode, external input alarm mode, and internal shock detect alarm mode. Easy for installation. Quick charge mode with led indicator. Easy active button.

1. GSM tri band GSM network to make & instant surveillance task possible. No range limitation
2. For home phone line security, monitoring all outgoing and incoming phone conversation.
3. Auto switch between phone line and area voice monitoring. Phone line is first detected.
4. Auto calling when detect phone line in used, can turn on or off.
5. Built in high sensitive dual microphone.
6. Auto calling when detect voice level in device area, can turn on or off.
7. Auto calling when detect external device input, like infra red sensor alarm, can turn on or off.
8. Auto calling when detect shock for the device, can turn on or off.
9. Dual mode function, can operate independent without phone line plug in, auto detect function, Auto switch to phone line monitoring function.
10. External microphone input can be used as voice unlimited repeater, transmit using GSM network.
11. Low battery SMS sending, and LED indicator flashing.
12. SMS control function.
13. One touch button operate system
14. Built in high capacity LI-ION rechargeable battery.

GSM :	900 /1800 /1900MHz
Dimension :	62(L)x40(W)x(20(H) mm
Weight :	45g
Life time :	72 Hours (standby mode), 3 Hours (sending mode)
Battery :	3.7VDC 1200mA (rechargeable LI-ION)
Power consumption :	20mA (standby mode) 200M(working mode)

Button function and plug-in diagram :

1. ACT led is indicator if one of alarm mode is active, and low battery indicator led.
   - 1 flashing means one of alarm mode is active.
   - 2 flashing detect alarm mode and begin to end SMS and calling made
   - flashing means low battery. It will flashing every 5 seconds continuously till battery is charge. And will send SMS for "LO-BATT" for one time
2. FUNC button is switching for shock alarm and IR alarm on/off.
   - Press FUNC button once the ACT led will flashing from slow to quick begin to switch on shock vibration mode and IR mode to active on. Can be canceled by pressing FUCT button once again.
   - When shock alarm mode is active on, and detect shock vibration the device will waiting for 10 seconds for user to switch off by pressing the button once. And the device will switch off the shock active calling mode, otherwise will send SMS and calling for active call.
3. GSM led indicator when power on the device the GSM indicator will flashing every seconds continuously, searching for network. When network found the GSM indicator will flash on for 0.5 second and off for 3 seconds.
4. SIM card button is button to release SIM slot out.
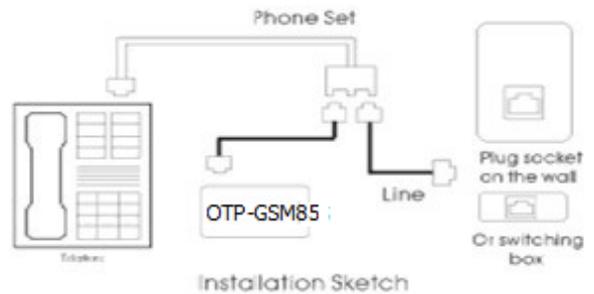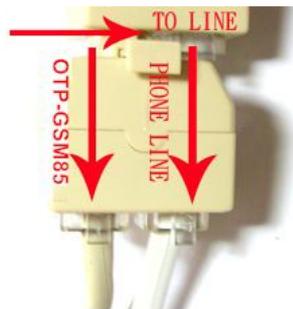5. Power switch is switch device on or off

6. EXT-MIC microphone voice monitoring external line in.

7. EXT-IN is external detect for alarm system detect B+ to active. (like IR motion, radar detector)

8. LINE-IN for phone line input.

9. Charge voltage is be able for 5-6VDC.

10. 10. Charge led indicator, will on when the charge is running, and off for full charge. When charge led flashing mean the an error charge, need to take out and plug in the charger again.

Keys and parts :

1. Action LED

2. SOS Button

3. GSM LED

4. SIM Card key

5. SIM Card holder

6. power switch

7. Charger plugin

8. Charging LED

9. Phone line input

10. External IR sensor

11. External MIC

12. Hanging ring

13. battery compartment.

14. Microphone

1. Insert SIM card by pushing SIM slot button. Then install SIM card and placed.

2. Power ON the device. The GSM indicator will flash, when GSM in service the GSM indicator will flash ON for half second and off for 3 seconds.

3. For phone line and alarm mode please plug-in phone line cable to

4. Set calling number for The device by using SMS :

   Code+01+Phone number   for first number

   Example : the code is 968 , the phone number will be set is 0912345678

   Send SMS: 968010912345678 to device SIM card

   Will return "0912345678" →1 OK

SMS functions :

Function	active	deactivate
Setting first alert number	01	
Setting second alert number	02	
Setting third alert number	03	
Voice active function	041	040
infrared sensor function	051	050
Phone line active funtion	061	060
shock active function	071	070
all detect mode on/off	11	10

All SMS function is using numeric number. 3 code number + function code

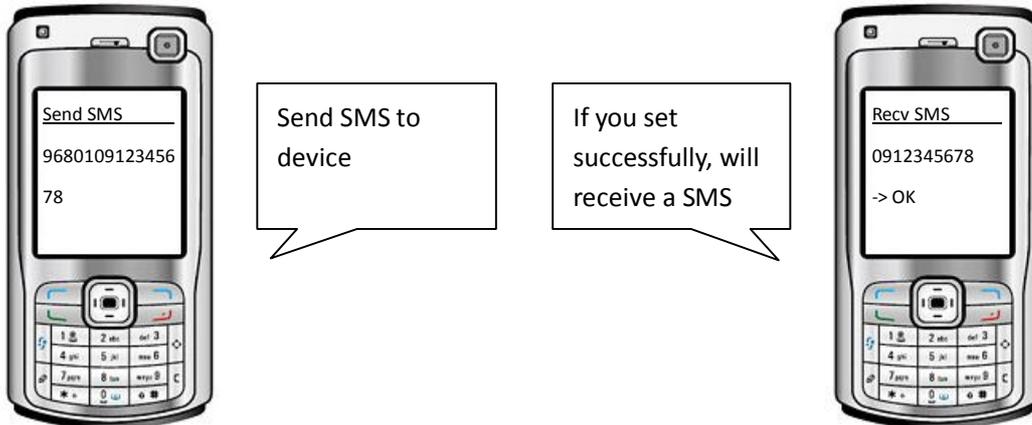**Example: the code is 968**

1. **Function 01 is phone book saving number for first call back number memory.**

    SMS will be send:

    xxx01(saving phone number)　example saving phone number is 0912345678

    968010912345678 return SMS is "0912345678" →1 OK

Send SMS	Send SMS to device	If you set successfully, will receive a SMS	Recv SMS
9680109123456 78			0912345678 -> OK

2. **Function 02 is phone book saving number for second SMS send back number memory.**

    SMS will be send:

    xxx02 (saving phone number)　　example saving phone number is 0933513368

    968020933513368 return SMS is "0933513368" →2 OK

3. **Function 03 is phone book saving number for third SMS send back number memory.**
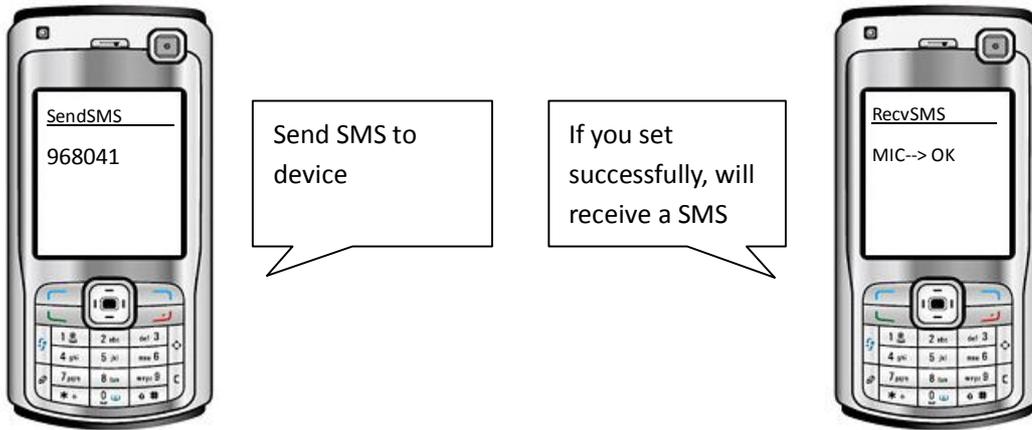
    SMS will be send:

    xxx03(saving phone number)　　example saving phone number is 0925168166

    968030925168166 return SMS is "0925168166" →3 OK

4. **Function 04 is voice mode active on/off switch.**

    xxx040　switch off voice active alarm mode ---- return SMS (MIC→ OFF)

    xxx041　switch on voice active alarm mode---- return SMS (MIC→ ON)

Send SMS to device

SendSMS
968041

If you set successfully, will receive a SMS

RecvSMS
MIC--> OK

5. **Function 05 is IR (external alarm) mode active on/off switch.**

    xxx050   switch off IR or external active alarm mode ---- return SMS (IR→ OFF)

    xxx051   switch on IR or external alarm mode---- return SMS (IR→ ON)

6. **Function 06 is Phone line active mode on/off switch.**

    xxx060   switch off Phone line active alarm mode ---- return SMS (PHONE-LINE→ OFF)

    xxx061   switch on Phone line active alarm mode---- return SMS (PHONE-LINE→ ON)

7. **Function 07 is internal shock active mode on/off switch.**

    xxx070   switch off shock detect active alarm mode ---- return SMS (SHOCK→ OFF)

    xxx071   switch on shock detect active alarm mode---- return SMS (SHOCK→ ON)

8. **Function 10 is switch all detect mode on/off switch. (voice, IR, phone line, shock)**

    xxx10   switch off all detect alarm mode ---- return SMS (ALL→ OFF)

    xxx11   switch on all detect alarm mode---- return SMS (ALL→ ON)

Response "ERROR" means CODE error or Function code error