Advantages & Features

◇ GSM Quad-Band 850/900/1800/1900MHz enable K7 works great in worldwide.
◇ 99 zones for home security intrusion alarm, elderly care, SOS help, 7*24 house safety applications.
◇ 10 different zone types and zone name editable.
◇ User friendly design.
◇ Two way talk, regular phone call as hand set supported, onsite voice monitoring available.
◇ 2 wireless switch channel for remote control & door access (*works with WS1, WS2).
◇ Just simply dial in to the K7, change the status to Arm / Stay Home / Disarm by missed call, or create voice talk automatically.
◇ Monitoring zone for take care of elderly daily life activities.
◇ Wireless sensors battery low power alarm.
◇ Backup rechargeable battery inside, AC power lost alert available.
◇ Audible alarm inside, support wireless siren too.
◇ Alarm events record can be read by SMS commands.
◇ Ademco Contact ID protocol over GPRS data supported.
◇ Fashion design of sleek panel with a classic elegant piano finish.
◇ Easy DIY -- Smart phone APP on Google Play for configuration & operation.

GSM Wireless Security Alarm System

K7

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How the system works for your family?

Security Protection
Press  to arm the system when leaving home.
Press  to arm the system when at home.

24hours Home Safety Guard
When smoke, gas, CO or water flood detected, system makes audible alarm, send alert SMS text and call to the alarm receivers/Call center/Firefighting or other CMS system.

SOS Alarm & Call
Press SOS button more than 2 seconds to make SOS Call.
System dial the 1st receiver number and then next numbers if no answering, totally repeat twice, and SOS alert SMS send to receivers at same time for asking SOS help.
Other Wireless SOS button or fall detectors optional.

Make Phone Call
Dial phone number and then press Call button to start talk.
When alert receiver’s phone call in, you can press Call button to answer and talk.
You can also press Call button to end the talk.

Open the Door
Press  and Key button  to open your door (*if you have installed the WS1 wireless switch on your electronic lock).

Elderly Daily Life Care
System sends alert SMS text if no activities detected by the 5th zone’s PIR/Door sensor during the monitoring time period.
For example, install one wireless door sensor at your Dad’s bed room, setting the monitoring time period as 05:30~09:00 am, if he didn’t get up (didn’t open his door) during that time, system sends alert SMS to the you says “Monitor Zone Alarm”—-you can edit this SMS text for sure.
You will receive SMS text only for this event, no calls or audible alarm.

Door Bell
Install and connect one door bell button to the system, setting the zone type as “10.Door bell”, when someone push the button, system makes 6 bell sound.

Read Alarm Events
You can send SMS commands to ask the last 5 alarm events record.

Other Living Care
System sends alert SMS text to you when AC/DC power lost (default: more than 30 minutes) and recovery, and when the wireless sensor’s battery low power(if have).

Remote Control
Connect with the alarm interlock relay, system will switch on/off home appliances automatically when alarm triggered.

Call in to control
Connect with the wireless switch, you can remote switch on/off home appliances by phone call.
Control Panel Layout

LED Display
Touch Keypad
Microphone
Arm indicator--

Flash Blue: Alarm
Red: Setting mode
OFF: Normal status

Key Buttons

Away Arm Button

All the sensors are Armed except the sensors in inner zones which disarmed so that users can move freely at home.

Stay Arm Button

Disarm Button

Press Disarm button and 4 digits password (default: 1234), and press to disarm the system after two beeps.

SOS Call Button

Press the SOS button more than 2 seconds to make SOS alarm.

Call Button

Dial phone number and then press Call button to start talk or answer phone call in. You can also press the Call button to end talk.

Key Button

Press and Key button to open your door (*if you have installed the WS1 wireless switch on your electronic lock).
Mount Socket  Speaker  Terminal cover

Tamper Switch

Mounting Bracket
Install the bracket on the wall by using screws, after wiring connection and power on, plug the socket to the bracket tightly, make the tamper switch close. When plug out the socket, tamper switch will make alarm.

Wiring Connections

Power Switch  SIM Card Slot  Alarm Interlock
Reset button  Wired Zone 1/2  Relay Output

IP Camera  Door sensor  Light

100~240V AC

+        -       DIN1        DIN2    NC  COM  NO

RESET

OFF      ON
Easy Setting by Keypad

Start:
◇ Put the mobile SIM Card to the slot.
◇ Connect the power supply, Switch ON.
◇ System connecting to mobile network, blue and red LED flash.
◇ After connected to mobile network, blue and red LED off.

Enter to Setting Mode:
Press , red lights ON, enter password, press again, blue lights keeps ON means the system enter to Setting mode.

On Setting mode, red LED flash shortly if setting success.

Exit Setting Mode:
After setting, Press , system exit Setting mode, blue lights OFF.
Or if no operation more than 1 minute, system exit Setting mode, blue lights OFF.

Setting by SMS Command:
◇ You can also setting other advanced parameters by APP or SMS commands while alarm system on working status.
* The SMS commands should with password, 1234 is the default password, please change it to new password if you had changed already.
* The command body AA, EE, etc. must be Caps Lock.

Reset
◇ Open the SIM Card cover, press and hold the Reset button.
◇ Switch ON.
◇ After one beep heard, release the Reset button, system back to factory mode, all sensors and settings will be delete! (Caution!).

Change Password
▶ Press 1 and 4 digits password.
▶ Press .
▶ Default password: 1234

By SMS Command:
1234Pnew password
Default password: 1234
e.g.: 1234P9666
System return: 6666, This is the New Password, please remember it carefully.

Setup Date & Time
▶ Press 2 and yymmdhhmmss (12 digits, for example, 150723154013 stands for 15:40:13, July 23, 2015.)
▶ By SMS Command:
1234PYyymmdHHhmmss#
e.g.: 1234PY150723H154013#
Or you can setting the alarm system’s SIM Card phone number to get mobile operator’s date & time from network:
1234Lphone number#
e.g.: 1234L008613510150873#

Select Language
▶ Press 3 and two digits code (refer to below)
▶ Press .
01. English
02. Espanol
03. Deutsch
04. Pyccknn
05. Italiano
06. Dansk
07. Cestina
08. Francais
09. Bahasa
If you changed menu language, you should reset the system and reboot again.
Caution: All settings and sensors are lost after reset except language.
Setup Alert Number (Alarm Receiver)

- Press 0 5 and two digits position number(01~09), function code 1 (one digit, 1~3), function code 2 (one digit, 1~3), telephone number (max. 20 digits).

- By SMS Command:
  - 1234 position(1~9)A# function code 1(1~3)# function code 2(1~3)# phone number #

  For example, setting 00861351015 as the 1st alert number can receive SMS and call when alarm, in addition, when this number call in to the system, system answers the call automatically: 05011200861351015 (12341 A#2#00861351015#)

1. Total 9 Alert receiver numbers.
2. Country code issue: If you can’t received the alert SMS or call, please try to change the country code as 0086 or just remove the country code on front of your phone number.

Receiver’s phone number can be programming to below major functions:

Function code 1 (alarm notify method):

1. receive SMS and call when alarm.
2. receive SMS only when alarm.
3. receive call only when alarm.

Function code 2 (when this number call to system):

1. system changes status from Away Arm to Stay Arm.
2. system answers the call automatically.
3. system needs to press Call button to answer the call in.

Delete Alert Number

- Press 0 5 and two digits position number(01~09).

- Press #.

- By SMS Command: 1234 position(1~9)A#

Inquiry Alert Number

- By SMS Command: 1234 A#

Add Remote Control

- The system supports 9 remote control for Arm/Disarm/Stay Arm system and make SOS alarm.

- Press 0 4 and two digits number(01~09).

- Press #.

- Press the remote control.

- Two di di sound heard.

- Press button for confirm.

Delete Remote Control

- Press 0 4 and two digits number(01~09).

- Press #.

Edit Wired Zone 1 & 2

The alarm system supports 99 zones, you can setting the zone functions for each zone.

The 1st zone: the SOS button on the keypad.

The 2nd zone: the tamper switch on bottom side.

The 3rd zone: the Wired Zone 1 (DIN1).

The 4th zone: the Wired Zone 2 (DIN2).

Setting 3rd zone’s sensor type (Normally Close/Normally Open) by SMS command:

123403NC#

123403NO#

Setting the 4th zone’s sensor type (NC/NO) by SMS command:

123404NC#

123404NO#

If you setting the 3rd and 4th zone sensor as NC, then you have to connect NC sensor on the DIN1/DIN2 port, otherwise system will make alarm once switch ON.

Zone Types refer to page 12.
Add Wireless Sensors

- Press 06 and two digits wireless zone number (i.e. 08, 15, 32, etc).
- Press ．
- Trigger the wireless sensor, two di di sound heard.
- Press ．button for confirm.

Delete Wireless Sensor

- Press 06 and two digits wireless zone number.
- Press ．

You can setting 10 different zone types for each zone by SMS commands.

Zone Type

You can select 10 kinds of zone type for each sensor, so the system can fit your needs, the alarm system assigned default zone types for all zones before shipping to you, in addition, you can also change it as per needed by SMS Command:

1234D zone number(01~99)#type(0~9)#
E.g.: change the zone 17 to type 3
1234D 17#3#

You can setting 2~5 zones type in one single SMS command:
E.g.: 1234D 06#1#07#2#08#3#09#4#

Default Zone type refer to page 13.

Zone Type Explanation

<table>
<thead>
<tr>
<th>Zone Type</th>
<th>When sensor triggered, the alarm system will</th>
<th>Used for</th>
<th>Sensors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Entrance</td>
<td>When you arm system: 30 seconds delay enter to arm mode, so you have time to leave home. When you back home: 20 seconds delay alarm, so you have time to disarm the system.</td>
<td>Main gate or lobby</td>
<td>Door sensors, PIR sensors</td>
</tr>
<tr>
<td>2. Outer</td>
<td>Stay Home Arm: Alarm</td>
<td>Intrusion protection outside of the house</td>
<td>Door, PIR, Been, Vibration, Glass breakage sensors</td>
</tr>
<tr>
<td></td>
<td>Away Arm: Alarm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Inner</td>
<td>Stay Home Arm: No alarm</td>
<td>Intrusion protection inside the house</td>
<td>CPIR, Door, PIR sensors</td>
</tr>
<tr>
<td></td>
<td>Away Arm: Alarm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Onsite</td>
<td>Stay Home Arm: alarm sound only</td>
<td>Windows or rear gate</td>
<td>Windows contact, Curtain PIR</td>
</tr>
<tr>
<td></td>
<td>Away Arm: alarm sound, alert SMS and dial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. 24Hr Sound</td>
<td>Make alarm whenever Away, Stay Home or Disarm. System sends alert SMS, dial and audible alarm sound at same time.</td>
<td>Smoke fire, Gas, Water, CO leakage detection</td>
<td>Smoke, Heat, Gas, Water, CO detectors</td>
</tr>
<tr>
<td>6. 24Hr Silent</td>
<td>Make alarm whenever Away, Stay Home or Disarm. System sends alert SMS and dial only, no audible alarm sound.</td>
<td>Emergency help SOS alarm</td>
<td>Fall detector, Panic buttons</td>
</tr>
<tr>
<td>7. Armed</td>
<td>Shift to Away Arm mode.</td>
<td>Press to Arm the system, no need remote control.</td>
<td>Wireless buttons</td>
</tr>
<tr>
<td>8. Stay</td>
<td>Shift to Stay Home Arm mode.</td>
<td>Press to Stay Arm, no need remote control</td>
<td>Wireless buttons</td>
</tr>
<tr>
<td>9. Not Use</td>
<td>Disabled the sensor function.</td>
<td>Disabled the zone</td>
<td></td>
</tr>
<tr>
<td>10. Door bell</td>
<td>Make 6 door bell sounds.</td>
<td>Door bell</td>
<td>Door bell buttons</td>
</tr>
</tbody>
</table>
The special zone type for take care of elderly, **FIXED in the 5th zone only**.

System sends alert SMS to the 1st receiver if the sensor did not triggered during monitoring time period, this function works on **Stay Home Arm mode** only, if you changed the system to Away Arm or Disarm status, the monitoring function will be ignored automatically.

**The purpose of this Monitoring Zone:**
Take care of elder people’s activities on daily life.

For example, install one wireless door sensor at your Dad’s bed room, setting the monitoring time period at 05:30~09:00, If he didn’t get up (didn’t open his door) during that time, system send SMS text to you says **“Monitor Zone Alarm!”**

The monitoring zone alarm will not make phone call or audible alarm sound.

**Recommend sensors:**
Wireless door sensors, Curtain PIR motion sensors.

**Setting the monitoring time by SMS:**

ู่1234Q start time(hh:mm)# end time(hh:mm)#

E.g.: Monitoring time period from 05:30 am to 09:00 am: 1234Q 05:30#09:00#

**Inquiry Monitoring Time:**

ู่1234Q#
Remote Access Control (Wireless Switch)

Works with the wireless switch WS1 (optional), you can remote open your electronic lock or other devices by pressing 010 or control by incoming phone call.

Add wireless switch steps:
1. Connect WS1 relay output to the electronic lock as a switch.
2. Connect 12VDC from your lock to the WS1.
3. Press the learning button on WS1, LED flash quickly.
4. Press 010, WS1 LED off, connection created.
5. Press 010 for test.

How to open the door by phone call

You can also call in to open your door or other devices by interlock settings (your phone number must on the alert numbers list, Caller-ID), setting method as below:

1. 0701 Interlock Armed by call: when you call in, system reject and recall back to confirm the arm success (you should reject the system’s recall), and open your door at same time. This setting will help you to open the garage or main gate when leaving home by a single phone call.

2. 0702 Interlock Stay by call: you should call the system twice within 30 seconds to change the status to Stay Home Arm mode, and open your door at same time. This setting will help you to open the garage or main gate when back home.

3. 0703 Disabled the remote access control interlock function.

Connect with Wireless Siren

The alarm system inbuilt audible alarm function, in addition, you can also connect with the wireless siren SR-60 (*optional) to make loudly alarm. Just connect the power adapter of wireless siren is OK, then you can press 020 to test if the siren is working or not.

Wireless Coding

The alarm system provide 3 different wireless code for transmitting, SR-60 wireless siren belonging to the Code 1 (default): 0801

If you want to use the alarm system to operate other device but not the SR-60, select code 2 or code 3 and then programming the wireless switch as same as above mentioned on page 15 is OK.

Code 2: 0802

Code 3: 0803
Arm Delay Time

SMS Command:

1234G #xx#

xx=arm delay time, two digits number, unit: second.
e.g.: 1234G20#

Default arm delay time: 30 seconds.
Only the zone type=1/2/3 effected by the arm delay time.

Tips: When using the remote control to arm the system, press the Away Arm button and SOS button immediately, system will enter to arm status without any delay.

Arm Sound Notification

When you Away Arm the system, after the internal buzzer makes one long beep, the wireless siren (*if connected) can makes 2s sound for confirmation too.

You can enable(ON) or disable(OFF) this function by below SMS commands:

1234GON#
1234GOFF#

Default: OFF.

Arm Notify SMS

When you Arm/Disarm the system by SMS or Arm/Away Arm the system by phone call, the system will send notify SMS “Arm by xxx” or “Disarm by xxx” to the 1st receiver.

You can enable or disable(default) this function by below SMS commands:

Enable: 1234H#
Disable: 1234J#

Alarm Delay Time

SMS Command:

1234F #xxx#

xxx=alarm delay time, three digits number, unit: second.
e.g.: 1234F030#

Default alarm delay time: 0 second.

Tips: When sensors triggered and enter to alarm delay time, the internal buzzer makes short beeps every 2 seconds till delay time over, so you have time to disarm the system before really alarm (beeps stopped).

Alarm Sound Time

SMS Command:

1234E #xxx#

xxx=alarm sound time, three digits number, unit: second.
e.g.: 1234E030#

Default alarm sound time: 180 seconds.

The alarm sound will take a short pause (1s) after every 20 seconds.
Only the zone type=1/2/3/4/5 effected by the alarm sound time setting.

Alarm Interlock Relay Control Time

You can setting how long the alarm interlock relay keep close when alarm triggered:

1234RTtime(000~999)
E.g.: 1234RT005
Default: 1 second(latch)

Wireless switch control time

You can setting how long the wireless signal keep sending to the wireless switch to open the door(or other devices) by SMS command:

1234GTtime(000~999)
E.g.: 1234GT005
Default: 1 second(latch)
Quick Operating SMS Commands

- **Arm** 1234AA
- **Disarm** 1234BB
- **Alarm Sound ON** 1234CC
- **Alarm Sound OFF** 1234DD
- **Inquiry Status** 1234EE
- **Remote Listening In** 1234K#
  - System recalls you back for remote listening in the on site voice.
- **Inquiry Alarm Events** 1234R
  - System sends last of 5 alarm events:
    - 2015-06-04 11:35:03 Remote Key SOS Help!
    - 2015-06-05 00:35:03 Smoke Alarm!
    - 2015-06-05 09:31:03 Monitor Zone Alarm!
    - ...
- **Reboot System** 1234RESTART

AC Power Lost Alert

When the AC/DC adapter power lost, system will send alarm SMS, you can setting the monitoring time (minute) of power lost by SMS command:

- `1234M#time(00~99)`

  E.g.: 1234M60#
  - Default: 30 minutes, if setting to 00, system will send alarm SMS once power lost.

GPRS Data Function (for engineer only)

For engineer and remote server system only.

Please ignore this part if the total quantity of the alarm system deployed less than 200pcs.

**GPRS APN setting:**

- `1234APN;apn name;user name;password#`

  Notice: please call your mobile operator to ask the GPRS Access Point Name, User name, Password, if there have no User name or Password needed for the GPRS data connection, then leave it blank.

  E.g.: 1234APN everywhere;eescure;secure#
  - the example APN name(everywhere), User name(eescure) Password(secure) supported by Orange UK.

**Contact ID CMS server IP address and Port:**

- `1234IP;server IP address;port#`

  E.g.: 1234IP 175.164.49.20;4005#

**Alarm Process**

- Alert SMS ➔ GPRS data to CID Server system ➔ Alarm dial out

GPRS data upload to server system depends on the alarm events (trigger) automatically, data connection off line when data send complete, the alarm system can't receive data from server. GPRS data follow the Contact ID (SIA DC-9) protocol.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GSM Frequency</strong></td>
<td>Quad-band 850/900/1800/1900 MHz</td>
</tr>
<tr>
<td><strong>Wireless Zones</strong></td>
<td>95</td>
</tr>
<tr>
<td><strong>Radio Frequency</strong></td>
<td>433.92MHz for sensors, 315MHz for wireless switch (*optional)</td>
</tr>
<tr>
<td><strong>Wired Zones</strong></td>
<td>2, NC/NO dry contact</td>
</tr>
<tr>
<td><strong>Tamper Switch Zone</strong></td>
<td>1, at back side of panel</td>
</tr>
<tr>
<td><strong>Digital Output</strong></td>
<td>1 relay, NC/NO dry contacts, 3A/240VAC</td>
</tr>
<tr>
<td><strong>Stored Phone No.</strong></td>
<td>9 phone numbers for alarm SMS &amp; call</td>
</tr>
<tr>
<td><strong>Max. Remote Control</strong></td>
<td>9 pcs</td>
</tr>
<tr>
<td><strong>Event Logs</strong></td>
<td>SMS command inquiry last 5 logs</td>
</tr>
<tr>
<td><strong>Internal Audible Alarm</strong></td>
<td>95dB</td>
</tr>
<tr>
<td><strong>CMS</strong></td>
<td>KingCenter CMS-01, CID CMS (GPRS data)</td>
</tr>
<tr>
<td><strong>Rated Power Supply</strong></td>
<td>9~24V DC/1A</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>12V input Max. 270mA, Standby 30mA</td>
</tr>
<tr>
<td><strong>SIM Card</strong></td>
<td>Support 3V SIM Card</td>
</tr>
<tr>
<td><strong>Antenna</strong></td>
<td>50 Ω SMA Antenna interface</td>
</tr>
<tr>
<td><strong>Temperature Range</strong></td>
<td>-20~+60 °C</td>
</tr>
<tr>
<td><strong>Humidity Range</strong></td>
<td>Relative humidity 90% (condensing free)</td>
</tr>
<tr>
<td><strong>Backup Battery</strong></td>
<td>3.7V/900mAh Li-ion rechargeable</td>
</tr>
<tr>
<td><strong>Exterior Dimension</strong></td>
<td>18.8<em>13.1</em>2.8 cm (7.4<em>5.1</em>1.1 inch)</td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>320 g (0.7 lb)</td>
</tr>
</tbody>
</table>

### Safety Directions

- **Safe Startup**
  Do not use the alarm system when GSM/3G equipment is prohibited or might bring disturbance or danger.

- **Interference**
  All wireless equipment might interfere network signals of the alarm system and influence its performance.

- **Avoid Use at Gas Station**
  Do not use the alarm system at a gas station. Power off it when 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 shielded by covering the mainframe.

- **Use Qualified Maintenance Service**
  Maintenance can be carried out only by qualified person.