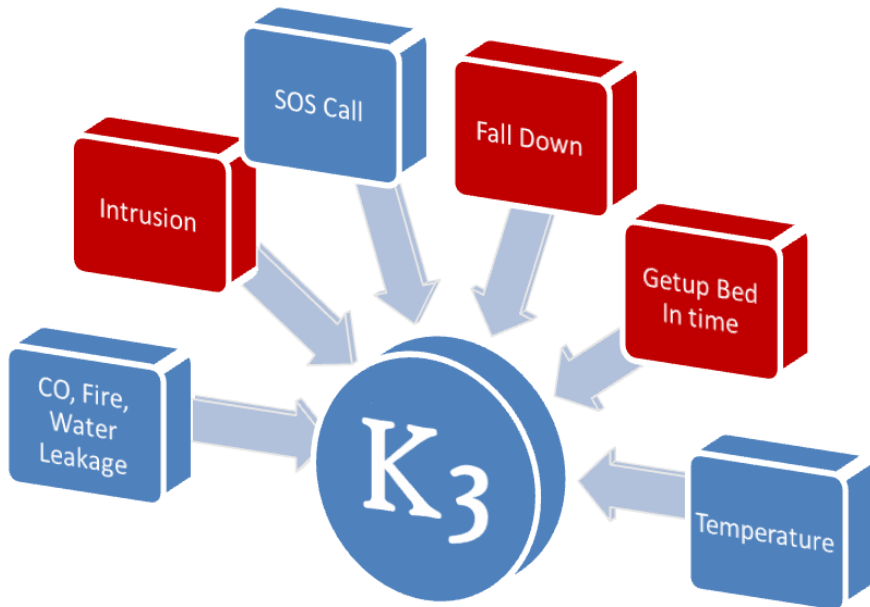# GSM Security Alarm
GSM Senior Telecare

An Advanced

Programmable

Multifunctional

GSM Alarm Panel

GSM Senior Telecare

In The Worldwide!

K3

User Manual

Ver 1.0

Date Issued: 2014-12-01

K3 — GSM Senior Telecare —GSM Security Alarm System

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This handbook has been designed as a guide to the installation and operation of K3 Panel.

Statements contained in the handbook are general guidelines only and in no way are designed to supersede the instructions contained with other products.

We recommend that the advice of a registered electrician be sought before any Installation work commences.

The manufacturer, its employees and distributors, accept no liability for any loss or damage including consequential damage due to reliance on any material contained in this handbook.

The manufacturer, its employees and distributors, accept no liability for GSM Network upgrading or SIMCard upgrading due to the technology specifications contained in this handbook.

SMS Command List

SMS COMMAND	Functions & Actions	Very Important!
AA	To arm the K3 Panel, in this mode, any detector triggered will alarm.	Please fill the Installation Schedule at Page 20 before programming it.
BB	To disarm the K3 Panel, in this mode, detector triggered will not alarm.	
CC	To switch ON the Siren output.	
DD	To switch OFF the Siren output	
EE	Inquiry the K3 Panel Status and GSM Module IMEI Code.	

The commands should plus Password, the format is Password+SMS Command. i.e.: if the password is 1234, then you can send 1234AA to arm, 1234BB to disarm, the AA~EE must be Caps Lock.

K3 — GSM Senior Telecare —GSM Security Alarm System

1. Brief introduction

The K3 is a brevity, fashion and neat design GSM Security Alarm System, it is not only a security alarm system but also a senior telecare system. The User can send SMS text to control it and received SMS text from it while something happened.

The K3 includes multi-functions and high reliability, it is special for Residential areas, business area, commercial area, office, factory, industrial area, senior emergency call, senior daily activation and communication, and other Varity applications. It integrated high performance GSM Module and MCU inside, and with innovative and experienced functions and features to meet the required and potential demands in the worldwide markets.

When it used as a GSM Security Alarm system, the user can call in to Arm/Stay operation with a free charge from its phone. and plus different wireless detectors to protect its assets.

When it used as the senior telecare system, it can be used as a GSM Emergency call system, and also can dial and send SMS to preset numbers while: Fall Down, Push SOS Button, Hasn't got up bed in time, carbon monoxide leak, or intrusion.

At this period, the aging trend is very serious in all countries, and lots of seniors living alone. They are need urgently help in sometime, also worry about death while sleep or fall down and nobody know it.

The LCD can display the current time, what sensor activated, and current indoor temperature.

2.Safety Directions

Safe Startup
Do not use K3 Panel when using GSM equipment is prohibited or might bring disturbance or danger.

Interference
All wireless equipment might interfere network signals of K3 Panel and influence its performance.

Avoid Use at Gas Station
Do not use K3 Panel at a gas station. Power off K3 Panel when 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.

K3 — GSM Senior Telecare —GSM Security Alarm System

✓ Avoid signal shielded by covering the mainframe.

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

3. Standard Packing List

Package A		Package B	
Item	Qty	Item	Qty
GSM Alarm Panel	1	GSM Alarm Panel	1
Wireless Fall Down Detector	1	Wireless Door Contact	1
AC/DC Adaptor		Wireless PIR Motion Detector	1
User Manual	1	Remote Control	1
		AC/DC Adaptor	1
		User Manual	1

Optional Accessories: (Wired Sensors or wireless detectors)
PIR Motion Sensor, Glass Break Sensor, Magnetic Window Sensor, Temperature Sensor, Infrared Beam Fence, Vibration sensor, Siren.

4. Mainly Features

➢ Brevity,Fashion,Neat design;
➢ LCD display current time, which detector activated, indoor current temperature;
➢ Supports temperature higher or lower than preset value alert function;
➢ Big SOS Button easy to push it;
➢ High quality of voice communication;
➢ Supports 6 preset call numbers for SMS or Call or both;
➢ Supports monitoring senior get up bed in time or not;
➢ Supports wireless fall down detector;
➢ Supports total 17 wireless detectors or SOS buttons;
➢ Supports free charge to Arm/Stay operation with authorized user phone numbers;
➢ Inbuilt rechargeable battery inside;
➢ Easy to use, no need to train;
➢ Easy to installation, can put on desk or onto wall.

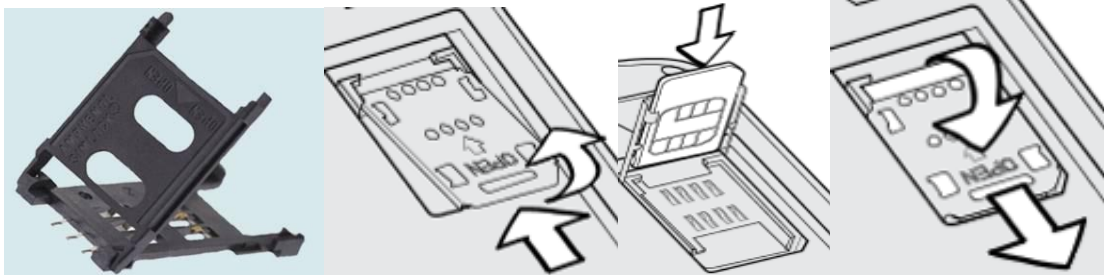## 5. Installation and Connection Diagram

5.1 Inserting the SIMCard

Important: Make sure to switch off K3 Panel before inserting or removing your SIM card.

1) At the backside of the panel, please remove the cover, and Slide the SIM card holder in the

direction of "OPEN" , and insert the SIMCard. See below photos.

2) Close the SIM card holder and then slide it in the opposite direction of "OPEN" to lock it. See above photo.

5.2 Contacting the Siren, hooter

The user can connect one 9~12V rated siren, or hooter to the K3 Panel's siren output, once alarm occurrence, this output ports will start the siren or hooter to make sounds. The positive of the siren connect to the Siren+ port, and the negative of the siren contact to the Siren– port. Generally, the siren wire marked red color and black color, the red color is positive and the black color wire is negative. See below:
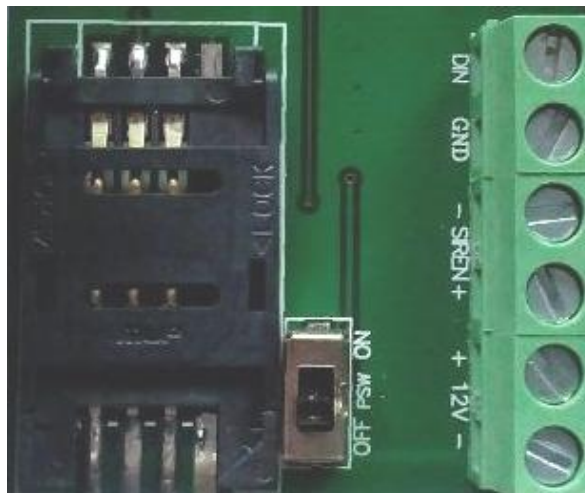
5.3 Contacting the AC/DC Power Supply

Please contact the +12VDC to the K3 Panel, the Positive of the +12VDC connect to the PWR+, the negative of the 12VDC please contact to PWR - . Generally, the red color from the AC/DC Adaptor is Positive, and the black color is negative. The AC/DC Adaptor is 12V1A or 12V2A. see above-mentioned.

5.4 Switching on/off the K3 Panel

After finished all of the connections, please plus the AC/DC Adaptor to external AC Power socket, and switch the PSW Switch to ON side to switch on the K3 Panel. See abovementioned.

5.5 Amounting the K3 Panel

The K3 Panel should be installed in a place where the intruders cannot discover it. And the GSM Signal covered well. Also, the user can see the LED easily to know what happened and what is the status of the K3 Panel.

6. Settings

The K3 Panel is an advanced multifunctional programmable controller. The user can program it by SMS Commands for various application requirements.

When power on the K3 Panel, will display - - - - -, meanwhile, it will automatically registering the SIMCard to GSM Network, after the SIMCard registered successful, will display GOOD. If more than 90Seconds still hasn't registered successful, it will display ERRO, if no SIMCard detected, it will display - - - - -, and after 60 seconds, it finished registering. And display the default time and temperature in turn.

Notice:

1. The default Password is **1234**.
2. All the settings are through SMS commands, please edit the below SMS commands in your cell phone, then send to the K3 Panel. (Tips: The K3 Panel cannot support PIN Code Protected SIMCard. Please ensure you have disabled the PIN Code of the SIMCard, otherwise can not register GSM Network successful.)
3. You can program the K3 Panel with SMS commands using your phone. It is safe to do so because in addition to the fact that other people may not know the number of the SIM inserted in it, we also use a Password that makes it impossible for anybody, who doesn't know it, to access the system by chance.
4. Remember that commands must be **CAPITAL LETTERS**. It is PWD not pwd, CAP not Cap etc. Don't add spaces or any other character.
5. The **pwd** in the commands is means the password, when you use it, please in stand of it by the digital number.
6. While setup phone numbers, please try to plus the country code or remove country code. E.g.: 008613500001111, or 13500001111.
7. Please write down the setting list in a paper for review in further, please see the affix table at the last page, and tear down from this instruction for review.
8. If the command is incorrect, the K3 Panel will return: **SMS Format Error, Please check Caps Lock in Command!** Or other warning message. So please check the Command, or check the input is in ENGLISH INPUT METHOD and CAPS LOCK. If the password incorrect will not return any SMS.
9. When alarm occurrence and in the delay alarm time, the buzzer will alert by "DiDi" sounds, once the delay timeout the buzzer will stop to sound.
10. After you **reset or learning remote control or wireless sensors,** please remember to **restart** it, otherwise, can not work properly.
11. The SMS commands that you will certainly use in the K3 Panel are the following:

6.1 Setup K3 Panel SIMCard Number(System Time)

The K3 Panel can automatically setup the system time by itself, no need to setup it by manual any more. But should setup the SIMCard number firstly. This parameter must setup again after changed SIMCard or new unit or reset to factory default setting . See below:

pwd+L+SIMCard Number+#

E.g.: the simcard number that inserted in the K3 panel is 008613501111111, then can send

1234L008613501111111# to the K3 panel.

Inquiry the setting: **pwd＋LL＋#**, after the K3 Panel received, will return: MyTel: XXXXXXXXXX.

6.2 Setup New Password

> **pwd+P+newpassword**

if successful, the unit will return: **new password,This is the New Password, please remember it carefully.** The password is 4digits.

For example, the original password is 1234, you want change it to 6666, then you can send the command below: **1234P6666**

6.3 Setup Authorized number(If you GSM Operator use different number format for SMS and Dial out, then please see Notice 6, must setup as includes country code and not includes country code two formats.)

> **Pwd+Serial Number+A+Function 1 Code+#+Function 2 code+#+Telephone Number+#**

Serial Number = 1~6.

A is the identification character of this command.

Function 1 Code =1,2,3. It is for alarm receiving attribute setting.

=1 stands for when alarm occurrence, the K3 Panel will dial to generate two way voice communication as well as send SMS to this number.

=2 stands for when alarm occurrence, the K3 Panel only send alarm SMS to this number, doesn't dial.

=3 stands for when alarm occurrence, the K3 Panel only dial this number to generate two way voice communication, doesn't sends SMS.

Function 2 Code =1,2,3. It is for accessing K3 Panel attribute setting.

=1 stands for when this number dial to the K3 Panel, will be rejected after the first ring, meanwhile, the K3 Panel will be changed to Stay Mode and not return SMS. This is very useful when the user come back home or office to change the K3 Panel to Stay mode with a FREE call from its mobile phone!   When the user leave the home or store or office, dial the K3 Panel again, the K3 Panel will be changed to away armed mode and call back once immediately to ensure the armed operation is successful.

Tips: *When any number with this value call in the K3 Panel, the K3 Panel will change from Stay to Armed or Armed to Stay, if the K3 Panel in Disarmed mode, then the first time call in will change theK3 Panel to Stay mode.*

=2 stands for when this number dial to the K3 Panel, will be picked up automatically and enter into two way voice communication.

=3 stands for this number cannot access the K3 Panel by dial in, will be hang up. Nor listen neither change to Stay or Arm Mode.

Telephone Number: authorized number, max. 18 characters,

E.g.: if you want to setup 13512345678 as the third authorized number, and the password is 1234, country code is 0086, when alarm occurrence this number can receive both SMS and incoming from the K3 Panel, when dial to the K3 Panel from this number, can change the K3 Panel to Stay or Armed mode. Then you can send **12343A1#1#008613512345678#** to the K3 Panel. Will return:

Tel1: Empty
Tel2: Empty
Tel3: 008613512345678-1-1 -1-1stands for function 1 code =1 and function 2 code =1 value.
Tel4: Empty
Tel5: Empty
Tel6: Empty

Tips:

The K3 supports wireless detector battery low voltage alert function, if detected the wireless detector battery is low voltage, the K3 will send SMS "zone name + Low Voltage Alert!" to the first SMS number. At present, only PIR-100B and EM-90 supports low voltage alert function.

6.4 Inquiry the Authorized number

pwd+A+#

After received this command, the K3 Panel will return the SMS as abovementioned.

E.g.: If you want to know the authorized number list, and the password is 1234, then you can send **1234A#** to check it.

6.5 Remove the Authorized Number

pwd+Serialnumber+A+#

Please overwrite it with another number that you wish to change it or removed it by SMS Command.

6.6 Modify the wired zone dry contact digital input type (Default is NC)

pwd+NC+#

Modify the digital input to NC (Normal Close) type, if the sensor you used with this unit is NC, then you should set the unit as NC type.will return : **Zone00 NC**.

Pwd+NO+#

Modify the digital input to NO (Normal Open) type, if the sensor you used with this unit is NO, then you should set the unit as NO type. will return: **Zone00 NO**.

6.7 Modify the SMS Alarm Content

pwd+B+ZoneNumber+# +SMS Alarm Content+#

If setup successful, will return the SMS Alarm Content.

B is the identification character of this command.

Zone Number=00~17, 00 stands for the wired zone. 01~17 stands for the 17 wireless zones.

SMS Alarm Content: When alarm occurrence, the K3 Panel will send the SMS Alarm Content to the authorized numbers by SMS. Max. 40 characters.can not be empty, otherwise the K3 Panel will return :

SMS Alarm Content cannot be set as empty!

E,g.: if you want to receive SMS Alarm content of the wireless zone 05 is intruder breaking the windows, and password is 1234, then you can send SMS **1234B05#intruder breaking the windows#**.

6.8 Inquiry the SMS Alarm Content Setting

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pwd+B+Zonenumber+#

If setup successful, will return the zone number's SMS Alarm Content.

6.9 Setup the Zone Attribute

pwd+D+Zonenumber+#+Attribute Code+#

If setup successful, will return the zone number's Attribute code.

D is the identification character of this command.

Zone Number=00~16, 00 stands for the wired zone. 01~16 stands for the 16 wireless zones.

Notice: Zone 17 was assigned as the monitoring movement zone, can not change the attribute, special for monitoring senior get up bed in time or not.

Attribute Code=0~9, stands for how does the K3 Panel will performance when this zone activated.

=0, stands for entrance, when armed the K3 Panel, this zone will delay 30 seconds to enter into Armed mode, for leaving the home or office. When come back the home or office, will delay 20 seconds to alarm in order to the user can change it to Stay or Disarm the K3 Panel.

=1, stands for outer zones , in Armed or Stay mode, when triggered will cause alarm.

=2, stands for inner zones, in Stay mode if triggered will not cause alarm; in Armed mode, if triggered will cause alarm.

=3, stands for spot alarm zone, in Stay mode if triggered only cause the siren to sound. Neither dial out nor send SMS out; in Armed mode if triggered will cause alarm.

=4, stands for 24hours emergency zone with sounds. In any mode if triggered will cause alarm immediately with siren sounds.

=5, stands for 24hours emergency silent zone. In any mode if triggered will cause alarm immediately, the siren will not sound.

=6, stands for Armed Button, trigged it to make the K3 Panel change to Arm Mode.

=7, stands for Stay Button, triggered it to make the K3 Panel change to Stay Mode.

=8, stands for Disarm Button, triggered it to make the K3 Panel change to Disarm mode.

=9, stands for door bell button, triggered it to cause the buzzer to sound 8times.

Tips:

1) When the attribute code setup as 6,7,8,9, the siren will not sound.

2) More than one zone attribute can be setup in one SMS Command but don't exceed the SMS character limitation , e.g.: if want to setup the attributes of wired zone, 01 wireless zone, 02wireless zone, 03 wireless zones, 08 wireless zone, the password is 1234, then please send
1234D00#0#D01#1#D02#4#D03#6#D08#9#

6.10 Inquiry the Zone Attribute

pwd+D+#

If send successful, will return the zone attributes: **00-1;01-0;02-2;……;16-7.**

6.11 Setup Zone 17 Monitoring Movement Zone

The K3 Panel supports monitoring movement zone, it is special for monitoring senior get up bed in time or not, if not get up in time, the K3 Panel will arise alarm. This is very useful for monitoring the senior get up bed or not while her/him living alone. Please follow below:

a. Leaning a Wireless PIR Motion detector to zone 17, and install it at the bedroom entrance.

b. Setup the movement period time. The SMS command is pwd+Q+Start time+#+End Time+#. Example: 1234Q06:00#09:00#, if at this period, the senior hasn't gone out the bedroom, the PIR motion detector will not be activated by the senior, it will arise an alarm to indicate that the senior hasn't got up the bed. The K3 panel will send preset SMS and dial the authorized numbers.

c. If you want to disabled the monitoring zone, please send pwd+Q00:00#00:00# to the K3 Panel.

Notice: If the K3 panel at AWAY mode, this function will automatically disabled.

6.12 Setup the Siren Sound time(Default is 180seconds)

pwd+E+xxx+#

If setup successful, will return **Siren ON + xxx + Seconds**
E is the identification character of this command.
Xxx=000~999, unit is second, 3 digits. Default is 180 seconds.
E,g,: if you want to setup the siren sound 60seonds when alarm occurrence, and password is 1234, then please send **1234E060#**

Tips:

Only the zone attribute code setup as 0,1,2,3,4 will cause the siren sound while alarm occurrence. And the siren will sound about 20 seconds then interrupt about 2 seconds,

6.13 Setup the Alarm Delay Time(Default is 000second)

pwd+F+xxx+#

If setup successful, will return **Alarm Delay + xxx + Seconds**
F is the identification character of this command.
Xxx=000~999, unit is second, 3digits. Default is 000 second.
Tips: *Only the zone attribute code setup as 1,2,3 will delay to cause alarm while alarm occurrence.*

6.14 Setup the Arm Delay Time(Default is 30seconds)

pwd+G+xx+#

If setup successful, will return **Armed Delay + xx + Seconds**
G is the identification character of this command.
Xxx=00~99, unit is second, 2digits. Default is 30 seconds.

Tips:

1) *Only the zone attribute code setup as 1,2,3 will delay to enter into Arm mode when Arm the K3 Panel;*

2) *If Armed the K3 Panel by remote control, after press the Armed Button, and press its SOS button within 2 Seconds the K3 Panel will enter into Armed Mode immediately, will not delay.*

6.15 Enable to Alert the first Authorized Number when other number armed or disarmed the K3 Panel(Default is Disable)

pwd+H+#

If setup successful, will return **Send Operation Code to 1st Number**
H is the identification character of this command.

Tips: *If enable this function, when the Authorized Number that Function 2 Code=1 (can dial in to change the status from Stay to Arm) call in the K3 Panel, will send SMS to the 1st Authorized Number. If any other number armed or disarmed the K3 Panel, it will send SMS to the 1st Authorized number. The SMS content is* **Armed By + Telephone number** *or* **Disarmed by +Telephone number.**

Disable this function SMS Command is **pwd+J+#**

6.16 Required the K3 Panel callback

pwd+K+#

If send successful, the K3 Panel will call back the user immediately. It is special for the Authorized Number that Function 2 Code=1 (can dial in to change the status from Stay to Arm) to two way voice communication.

6.17 Setup External Power Status Alert Feature(Default is 30 minutes)

pwd+M+xx+#

If send successful, will return SMS.

M is the identification character of this command.

Xx= 00~99.   Default is 30. Unit is minute

Xx=00, stands for when external AC Power goes off will send SMS **AC Power Goes off** to all authorized numbers or send SMS **AC Power Goes ON** when AC Power goes on.   If setup successful, will return **AC Power Goes off Send SMS Immediately.**

Xx=01~99, stands for when external AC Power goes off more than 01~99 minutes will send SMS **AC Power Goes off 01~99minutes** to all authorized numbers or send SMS **AC Power Goes ON** when AC Power goes on. If the AC Power goes off less than 01~99 minutes then goes on, will not send SMS. If setup successful, will return **AC Power Goes off Send SMS After 01~99minutes.**

6.18 Setup Siren Response Feature to Arm Operation

pwd+xx+# return SMS.

Xx= ON or xx=OFF.   Default is off.

Xx=ON, stands for when armed the K3 Panel by remote control successful, the siren will sound 2seconds. If setup successful, will return **Set Ok.**

Xx=OFF, stands for when armed the K3 Panel by remote control successful, the siren will NOT sound. If setup successful, will return **Set Ok.**

Tips: *if armed or disarmed by phone call or SMS, the siren will not make sounds to response.*

6.19 Setup Automatically report Status function

pwd+T+xx+#

XX=00~99, unit is hour, stands for the interval time to report the K3 Panel status to the first SMS Alert Number. default is 00, means disable report function. If no SMS number, this function will be invalid. The return SMS is the same as by **8.4 Inquiry Status and GSM Module IMEI Code**

6.20 Setup Temperature Alarm value.

The K3 Panel can setup high/low alarm value, when the temperature exceeds the preset value more than

10 minutes, it will send SMS to alert the users. The SMS command is below:

**pwd+T+#+L***+#+H***+#**

L*** stands for the low temperature value, can set as minus, e.g.: -15, must be 3 digits.

H***stands for the high temperature value, can set as minus, e.g.: 030, must be 3 digits.

6.21 Reset the K3 Panel to Factory Default

The K3 Panel can be reset to the factory default by following operation: Switch off the K3 Panel, then press the UP and Down Button at the same time(See below), Switch on the K3 Panel, about 3Seconds later, the K3 Panel will display RSE-, then loose the RESET button, means the reset operation successful. **And please restart the K3 Panel again.**
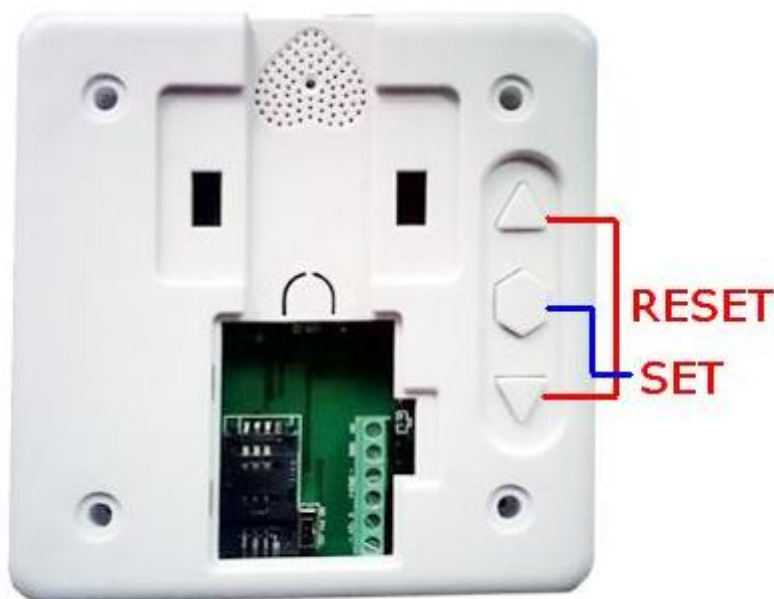
After this operation, all the registered wireless detectors and wireless panic buttons and Remote Controls will be removed from the K3 Panel, and all of the settings will be reset to the factory default.

7.   Zone Settings and Connections

7.1 Contacting the Wired Sensor or Other Alarm Panel to K3 Panel

The K3 Panel equips one dry contact (Normal Close or Normal Open type) digital input port, the user can connect the wired detector or other alarm panel to it. When the digital input triggered by wired detectors or other alarm panel, it will alarm.

1) **Setup the wired detector type, SMS Alert Content and zone attributes.**

    Please refer to 6.7~6.10.

2) **Contacting the wired Detector to K3 Panel**

    The wired detector has two connectors, please contact one of them to the DIN port, another contact to the GND port. And setup the Digital input be the correct NC or NO type by SMS Commands. (Tips: if you don't know the NC or NO type of the Detector, please try to change the setting to NC or NO type by SMS Commands to after you finished connections.)
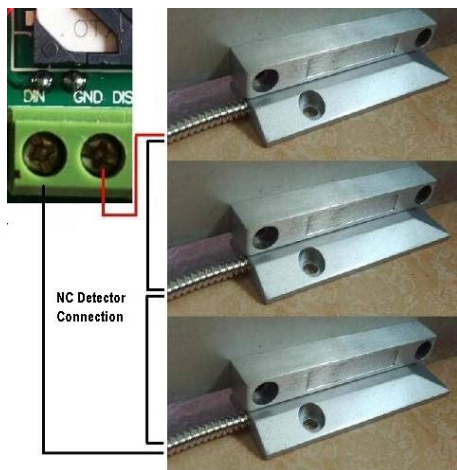
Wired Scroll Door Contact

If you need to contact more than one wired to the K3 Panel, please ensure all of the wired detectors are the same output type (Normal Close or Normal Open Types), any one of these detectors triggered, the panel will alarm.

If the wired detectors are NC type, then the connection must be in series, see below:

NC Detector Connection

NO Type Connection

if the wired detectors are NO type, then the connection must be in parallel, see above.

3) **Contacting other alarm panel output to K3 Panel**

The user can connect the other Alarm panel's digital output to the K3 Panel's Digital Input as a wired detector, so the user can update its alarm panel as GSM SMS Alarm. The connection please reference wired detector connection.

7.2 Registering/Removing the wireless sensor, remote control, wireless buttons to the K3 Panel

Tips:

   a. After registered the wireless sensor, remote control or wireless buttons, must restart the K3 Panel;

   b. The packed wireless detectors registered in the K3 Panel already, no need to relearn it again.

The K3 Panel is learning code, more safe and easy to add new wireless remote keys and wireless detectors, it supports 3 remote controls and 17 Wireless Zones, it can accept one learning code wireless detector in each zone, and accept unlimited PT2262/2272 fixed code wireless detectors in each zone. The K3 Panel integrated verity programmable zone attributes, includes Away(normal), At House or Stay, Entrance Zone, 24 Hours Sound Zone, 24 Hours Silent Zone, Local Zone, SOS Zone, Door Bell Zone and Monitoring movement zone. The SMS Alarm Content of each zone is programmable by user through SMS Commands.

Please follow below step by step to learning the wireless detectors or remote controls or wireless buttons to the expected zones.

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1) **Writing Installation Schedule**
   Please write down your schedule in below table, it will make you clearly what sensor in which zone and with what attribute, e.g.: using a wireless door contact for entrance, using the photoelectric beams for wired zone in outdoor fence, and using a wireless smoke detector for fire alarm and so on. Please see the Affix table.

2) **Setup the wireless detector SMS Alert Contents and zone attributes.**

   Please refer to 6.8~6.11.

3) **Enter Leaning Mode**
   At standby mode, press the SET button for 3 seconds, will enter learning mode, display R1 - - -, then loose the button. Press the SET button for 3 seconds again, will exit learning mode. After learned detectors successful, it will alert by a long Di--- sounds.
   Notice:
   a. *When learning one detector to the K3 Panel, the other wireless detectors must be in OFF status, otherwise will confuse the learning operation.*
   b. *In learning mode, you can press the Up or Down buttons to choose the previous or next zone.*

4) ***Learning the Wireless Detector or Remote Control to K3 Panel.***
   When the K3 Panel enter the learning mode, it will display R1－－－, stands for waiting to learning the first remote control. At this time, can press any button of the first remote control, the K3 Panel will learn the code automatically. If successful, it will alert by long "Di----" sounds, means the remote control was learned to the first position, press Down button to learn the second remote control. If the position was occupied by a remote control already, it will display R1USE. At this time, you can press the SET button again to remove it and lean a new remote control to replace it. If you dislike to learn any remote control to this position, then please press down button to next zone position.
   By the same way, you can learn or remove the wireless detectors to the K3 panel.
   *Notice:*
   a) Remote Control and Wireless Detectors activated method:
   For remote control, press any key then can activate it, no need to press all of them.
   The wireless door contact can be triggered by dispatch the two parts when installed battery inside;
   The wireless PIR Motion Detectors can be triggered by pass though its front when switched on;
   The wireless panic buttons can be triggered by press its button;
   The wireless gas leakage or wireless water leakage and wireless smoke detector equips Test Button, press the Test Button then can trigger them.
   The other wireless detectors please reference its user instructions.
   *b) When the wireless PIR Motion detection is PIR-100B, please remember setup the PIR-100B to **Test Mode** while learning to the K3 Panel, after learned to the K3 Panel, then please setup to **Normal Mode** by change the Black PIN Jumpers in the PCB, please see the PIR-100B user manual.*
   c) The differences of PIR Motion Curtain Motion and Ceiling motion detector are the detection direction areas.
   d) When the wireless Detectors is PT2262 fixed IC code, please setup its wireless code by use some Jumpers to configured it randomly, recommend 4~6 jumpers, see below:
   1) Removing the back cover carefully;
   2) Locate the IC boards black jumpers, labeled A0-A7 and D0-D3, please see below figure.
   3) Configured the A0~A7 and D0~D3 different from each wireless detectors. If configured the A0~A7 and D0~D3

are the same, the system will treat them as the same one sensor. So if you want to add more than one wireless detector to any zone, please configure the jumpers as the same in the wireless detectors.

4) *Also, please check the Resistors value is 3.3M Ohm, there're 3 Jumpers, 1.5M, 3.3M, and 4.7M. if you select incorrect value, the wireless distance usually very short or cannot learn to the K3 Panel.*
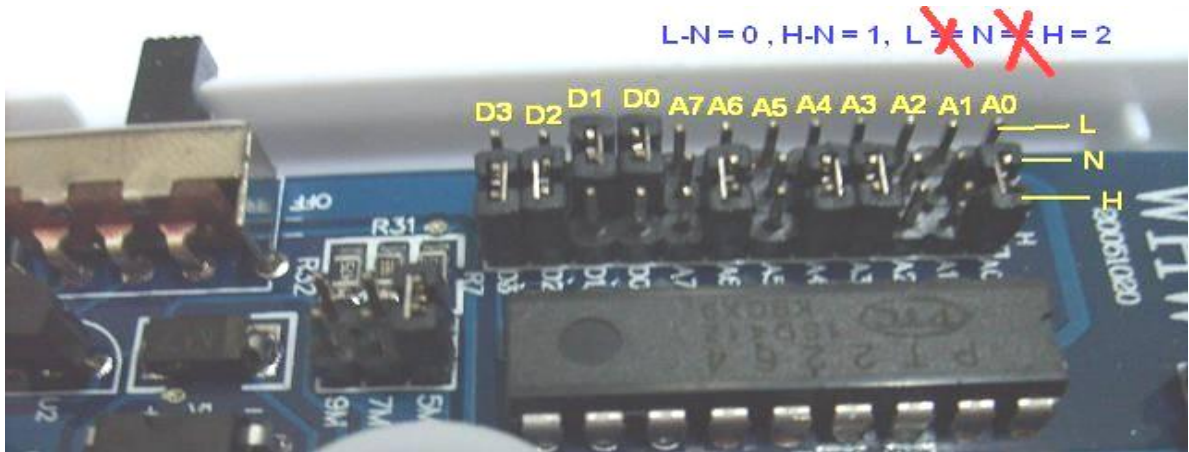
5) **Removing wireless accessories.**
   After learned the wireless accessories to the K3 Panel, it can be replaced by learning a new wireless detector to its position to in stand of it or remove it directly. If you want to remove the wireless detector in specified position, please move to that zone position, then press SET button, it will Display R1 - - - , or xx - - - stands for removed the wireless detector already.

6) **Some popular wireless detectors**

| PIR Motion Detector | Dual-Element PIR Motion Detector | Ceiling PIR Motion Detector | Fall Down SOS Button |

| Door Contact | Garage Door Contact | Photoelectric Beams Detector | Microwave Dual PIR Detector |

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Gas Leakage Detector

Smoke Detector

Water leakage overflow detector

Necklace Waterproof Panic Button

Emergency Button

Wireless Signal Repeater

8. Operating Instructions

Tips!

1. The user can arm/disarm/Stay (Partial armed) by Remote Control, Wired Button, Wireless Button, Dial in, and, SMS, Another, the user can switch on or off the Siren by SMS Commands.

2. Mode explanation

   Armed: Away, In this mode, any detector triggered will cause alarm. It be used for away the home and need to protect all of the home or office or store,etc.

   Stay: Partial armed, at home, in this mode, only the outer zones and emergency zones triggered will cause alarm, the inner zone triggered will not cause alarm. It be used for partial armed, e.g.: some people at home, and need to monitoring the outer security.

   Disarmed: Except the 24 Hours emergency zones triggered will cause alarm, all of the other zones triggered will not cause alarm. Usually for maintain or other special requirements.

3. Alarm Occurrence

   1) When alarm occurrence, the K3 Panel will send out Alarm SMS Content firstly, then automatically dial the authorized numbers one by one, if picked up the call, the K3 Panel will stop to sound and enter to listen mode, can not speak. If nobody picked up or rejected, the K3 Panel will dial all of the authorized numbers 3 times in cycle then stop to dial any more. Meanwhile, the K3 Panel will enter to previous status.

   2) Only the zone attribute code setup as 0,1,2,3,4 will cause the siren sound while alarm occurrence. And the siren will sound about 20 seconds then interrupt about 2 seconds, the time according to the setting.

   3) Once any zone triggered, the corresponding LED will always on till Disarm or Restart the K3 Panel.

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8.1 Operation by Remote Controls
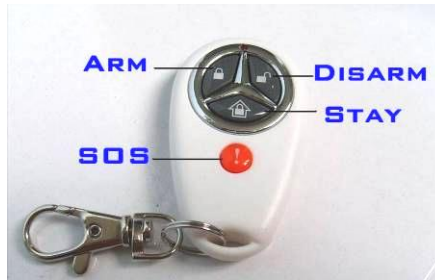
Press the button "■" on the remote key or Press the wireless or wired Arm button, the K3 Panel enters arm status (delay time according to the setting), Under this status, any detector triggered, the K3 Panel will alarm, if answered the call, the siren will stop and can listen in the alarm area by phone.

Tips: *If you use the remote control to arm the K3 Panel, you press the Arm Button, then press the SOS button within 2 Seconds, the K3 Panel will enter Armed mode immediately, no delay.*

Press the button "■" on the remote control, or press the wireless button, the K3 Panel disarms immediately. Under this status, any detector triggered, the K3 Panel will not alarm. Except the zone attribute is the 24-Hour Emergency Zones.

Press the button "⌂" on the remote control or the wireless or wired Stay button, the K3 Panel enters Stay(Partial Armed) status, the zones attribute had been set as outer zone and 24 hours emergency zone triggered will cause alarm, but the zone attribute had been set as inner zone triggered will not cause alarm.

Press Emergency button (SOS) "**!**" on the **remote control**. The K3 Panel will cause emergency alarm. The siren will not sound, but will alert the pre-set phone number immediately. The Alarm SMS Content is **Remote Key SOS Help!**

Tips: *The Alarm SMS Content for the remote control SOS button can not be modified.*

8.2 Armed or Stay WITH a FREE call from authorized phone!

The K3 Panel supports armed or Stay by a free call from authorized phone, after you setup the authorized number Function 2 Code as 1, then the user can use this phone number to Arm or Stay the K3 Panel by free charge call in. Please reference *6.2 Setup Authorized Number* to setup it.

When the K3 Panel in **Disarmed** mode, any number with the authorized right call in will change it to Stay mode;

When the K3 Panel in **Stay** Mode, any number with the authorized right call in will change it to Armed(Away) mode, and call back immediately as confirmation **Armed**.

When the K3 Panel in **Armed(Away)** Mode, any number with the authorized right call in will change it to Stay Mode.

This function is very useful while you leave or come back home.

8.3 SMS Commands for Arm(Away) or Disarm or Switch On/Off Siren.

The User can Arm/Disarm/Switch on or off the siren by sending SMS to the K3 Panel. The SMS Commands are below:

Notice:

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The system will carry out the commands immediately (with no delay) after the K3 Panel receive this SMS command.

8.3.1 Armed(Away)

xxxxAA	Example
"xxxx" stands for the password (4 digits).	1234AA
Return SMS	
Armed	When the Password is 1234

8.3.2 Disarm

xxxxBB	Example
"xxxx" stands for the password (digits).	1111BB
Return SMS	
Disarmed	When the Password is 1111

8.3.3 Switch On the Siren

xxxxCC	Example
"xxxx" stands for the password (4 digits).	1111CC
Return SMS	
Siren ON.	When the Password is 1111

8.3.4 Switch OFF the Siren

xxxxDD	Example
"xxxx" stands for the password (4 digits).	1111DD
Return SMS	
Siren OFF.	When the Password is 1111

8.4 Inquiry Status and GSM Module IMEI Code

xxxxEE

"xxxx" stands for the password (4 digits).

Return SMS

Armed or Disarmed

AC Power ON or AC Power off.

GSM Value is 17　or other value

IMEI Code: xxxxxxxxxxxxxxxxx

8.5 Android Apps Instructions

The user can operate the K3 Panel by Android Apps. For Android Apps, please download from our official website,

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9. Technical specifications

Rated Voltage: 12VDC 1 A (12V~14VDC)

Standby Consumption: 30~35mA (Not charging battery)

Working Consumption: 400mA(Siren working)

Working temperature: -10℃～+60℃

Storage temperature: -20℃～+60℃

Relative humidity: 10-90%, No condensation

GSM frequency: 850/900/1800/1900MHz

Communication protocol: GSM PHASE 2/2+ (include data service)

Wired Zones: 1 (Dry Contact, NC or NO)

Wireless Encode: Learning code, compatibles fixed encode.

Wireless Zone: 17 (can accept one learning code wireless detector in each zone, and accept unlimited PT2262/2272 fixed code wireless detectors in each zone)

Remote Control: 3

Wireless Frequency: 433Mhz   Wireless Distance: 100m in open air.

Backup Rechargable Battery: 3.7V@900~1200mAH lithium batteries

Net Weight: 0.50Kg

10. Warranty

1) This system is warranted to be free of defects in material and workmanship for one year.
2) This warranty does not extend to any defect, malfunction or failure caused by abuse or misuse by the Operating Instructions. In no event shall the manufacturer be liable for any alarm system altered by purchasers.

11. Affix Table

Table 1. K3 Panel Installation Schedule

Before install the K3 Panel, please write down the installation plan firstly, it is very useful for saving your test and installation time. After installed successful, then tear down this Schedule for review in further.

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	K3 Panel Installation Schedule				
Zone No.	**Default Value of Zones**		**User Defined Value of Zones**		**Sensor/Place(E.g Windows) Description**
	SMS Alarm Content	**Attr. Code**	**SMS Alarm Content**	**Attr. Code**	
00	Wired Zone Alarm!	2			
01	Entrance Alarm!	0			
02	Wireless Zone 2 Alarm!	2			
03	Wireless Zone 3 Alarm!	2			
04	Wireless Zone 4 Alarm!	2			
05	Wireless Zone 5 Alarm!	2			
06	Wireless Zone 6 Alarm!	2			
07	Wireless Zone 7 Alarm!	2			
08	Wireless Zone 8 Alarm!	1			
09	Wireless Zone 9 Alarm!	1			
10	Wireless Zone 10 Alarm!	1			
11	Wireless Zone 11 Spot Alarm!	3			
12	Smoke Detector Alarm!	4			
13	Water Leakage Alarm!	4			
14	Gas Leakage Alarm!	4			
15	Panic Help Alarm!	4			
16	Emergency Silent Alarm!	5			
17	Monitoring Area No Action Alarm!	Fixed			

K3 Panel Authorized Number Schedule

SIMCard Number in the K3 Panel: _____

Serial Number	**User Name**	**Phone Number**	**Authorized Type**					
			Alert when Alarm Occurrence			**Access the K3 Panel**		
			SMS&Call	**SMS**	**Call**	**Stay/Arm**	**Talk**	**Refuse**
1								
2								
3								
4								
5								
6								

Notice: Please mark V if for enable and X for disable.

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Table 2. K3 Panel Program and Operation SMS Command List

S.N.	Function Description	SMS Command Format	Example
...	**K3 Panel SMS Command List(Caps Lock)**		
1	Arm(Away)	pwd+AA	1234AA (Password is 1234)
2	Disarm	pwd+BB	1234BB
3	Switch On The Siren	pwd+CC	1234CC
4	Switch OFF the Siren	pwd+DD	1234DD
5	Inquiry Status,GSM Signal, IMEI	pwd+EE	1234EE
6	Setup New Password	pwd+P+newpassword+#	1234P6666.
7	Setup Authorized number	pwd+Serial Number+A+Function 1 Code+#+Function 2 code#Telephone Number+#	[See 6.3]
8	Inquiry the Authorized number	pwd+A+#	
9	Remove Authorized Number	pwd+SerialNumber+A+#	
10	Modify wired zone type as NC	pwd+NC+#	Default is NC
11	Modify wired zone type as NO	pwd+NO+#	
12	Modify the SMS Alarm Content	pwd+B+ZoneNumber+#+ SMS Alarm Content+#	1234B05#intruder breaking the windows#
13	Inquiry the SMS Alarm Content	pwd+B+Zonenumber+#	1234B01#
14	Setup the Zone Attribute	pwd+D+Zonenumber+#+Attribute Code+#	[See 6.9]
15	Inquiry the Zone Attribute	pwd+D+#	
16	Setup the Siren Sound time	pwd+E+xxx+#	1234E060#,(Default:180S)
17	Setup the Alarm Delay Time	pwd+F+xxx+#	1234F999#,(Default:000S)
18	Setup the Arm Delay Time	pwd+G+xx+#	1234G09#,(Default: 30S)
19	Enable Alert the 1st Authorized No.	pwd+H+#	
20	Disable Alert the 1st Authorized No.	pwd+J+#	Default
21	Required to callback	pwd+K+#	
22	AC Power Goes OFF Alert at once	pwd+M+00+#	
23	AC Power Goes OFF Alert after 01~99 minutes	pwd+M+xx+#	Default is 30minutes
24	Siren Response to Arm Operation	pwd+ON+#	Default
25	Siren NOT Response to Arm Operation	pwd+OFF+#	
26	Automatically report Status function	pwd+T+xx+#	00～99hours,default is 00, means disabled.
27	Setup K3 Panel SIMCard Number	pwd+L+SIMCard Number+#	
28	Setup Zone 17 Monitoring Movement Time period	pwd+Q+Starttime+#+EndTime+#	
29	Disable Zone 17	pwd+Q00:00#00:00#	
30	Setup Temperature Alarm value	pwd+T+#+L***+#+H***+#	

-----End----