Quick Installation Manual
LCD GSM & RFID Touch Keypad Wireless Alarm System

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http://www.usmartbuy.com

(Version 20150812)

For Android app, just search "RFID GSM Alarm" in googleplay.

For IOS app, just search "E-SYSTEM" in iphone store.
A. Alarm Understanding

1. LCD Display
2. UP
3. Left
4. Right
5. Down
6. Control home appliances
7. Set/Exit
8. Call/# Confirm
9. FRID
10. Away Arm
11. Home/Stay Arm
12. Disarm
13. SOS/Delete

Open the protection cover at back of the control host
Password
1. Operation password: This is used to operate the alarm such as arming/disarming/home-arming. Default is 1111.
2. Administrative password: This is used to program or change alarm settings. Default is 1234.
B. Manipulation Specification

1. Default zone types and definitions
   i) 1 Defense Line (Perimeter zone) – default is zone number 01 – 20: Generally is used for wireless door/window gap sensor
   ii) 2 Defense Line (Motion zone) – default is zone number 21 – 30: At home-arming status, sensors in this zone will not set off the alarm. Generally is used for wireless PIR.
   iii) 0 Defense Line (Emergency zone) – needs to be set: Once the sensor in Emergency zone is trigger, it will set off the alarm immediately whenever alarm is armed or disarmed. It is used for detecting the space like Emergency area (such as emergency distress, medical rescue, gas leakage and fire alarm, etc.), this zone keeps 24-hour monitoring. Generally is used for panic button, wireless gas sensors and wireless smoke sensors.

2. Arming
   Arming means all-around guarded when there is no person at home. All detectors are working. Once something triggers any of the detectors, the alarm sets off. After arming operation, “Away Arm” is shown on the host’s LCD.

3. Home arming
   Home arming means that when there is someone at home, for the sake of security, it is needed to make the outside doors, windows, balconies, and around detectors working. But, it is also needed to avoid the person at home from triggering the domestic detectors to alert wrongly. At this time, we choose home arming, letting some detectors work and the others not. At home arming status, all sensors in motion zone will not trigger the alarm. After Home arming operation, “Stay Arm” is shown on the host’s LCD.

4. Disarming operation
   Disarming means that when control host sets off, it can stop the alerting or makes the system on the disarmed status. After disarming, even triggering detectors can NOT make the control host alert, except the detectors in emergency zone or emergency key in the remote control.

5. Emergency alerting
   When emergency happens, press on the emergency key on the remote control fob, keypad or panic button.

C. Host Installation

   **DO NOT INSERT THE SIM CARD INTO THE CONTROL HOST WHILE THE CONTROL HOST IS TURNED ON**

   THERE IS A PROTECTIVE FILM ON CONTROL HOST. THERE COULD BE SOME SCRATCHES ON THE FILM AND IT CAN BE REMOVED.

1. Normally the sensors in the standard box have been coded (learned) to the host. For additional sensors, please refer to the user manual or sections below for how to code (learn) sensors to the host
2. Make sure the SIM card PIN code and password are turned off
3. Insert the SIM card in to the slot at the back of the host and metal contact of the SIM card must be down
4. Connect small wired siren to back of the host. Red wire to “BELL+” and black wire to “BELL -”
5. Connect the power at back of the host
6. Turn on the switch at the back
7. Wait initialization for 60 seconds
8. Then, call the SIM card number in the control host and see if the control host can answer the call. Otherwise, please check if the SIM card has been installed properly

D. Local Arm/Home Arm/Disarm/Emergency Alarm

1. Arm
   i) By wireless remote key fob: Press the “Away” button, “Away Arm” is shown on the control host’s LCD
   ii) By keypad on the control host: press “Away Arm”, “Away Arm” is shown on the control host’s LCD
   iii) By using RFID tag to touch RFID reader once on control host

2. Home arm
   i) By wireless remote key fob: Press the “Home” button, “Stay Arm” is shown on the LCD
   ii) By keypad on the control host: press “Stay Arm”, “Stay Arm” is shown on the LCD

4. Emergency Alarm
   i) By wireless remote key fob: Press the Emergency button on the remote control, alarm is set off
   ii) By keypad on the control host: Press and hold “SOS” key, alarm is set off

3. Disarm
   i) By wireless remote key fob: press the “Disarm” button, “Disarm” is shown on the LCD
   ii) By keypad on the control host: Press “Disarm” and enter user password (default is 1111) → Press the control host will beep twice to indicate successful operation
   iii) By using RFID tag to touch RFID reader twice on control host
E. How to Enter into Control Host Program Status

Before operating the alarm function setting, user needs to make sure the control host has entered into the program status:

Press $\rightarrow$ Input Administrative Password (default: 1234) and press $\rightarrow$ Press ▲▼ to select submenu and press $\rightarrow$ to enter into the submenu

F. Program (Learn) Sensor to the Control Host

Normally, the sensors in the big box have been programmed (learned) to the host. For additional sensors, please refer to the sections below for how to program sensors (learn sensors) to the host.

*It is recommended that to turn off all PIRs first and do not other sensors. Then only turn on the sensor which needs to be learned. After each successful learning, please turn off the learned sensor and turn on the next sensor which needs to be learned.

i). Program remote key fob to the control host:

Zone 00 can learn 10 remote key fobs

After entering into “Program&delete” → Press $\rightarrow$ key to delete two digits zone number → Input zone number 00 → Select “Program” and press $\rightarrow$ “Programming” is shown on the LCD → Press the button on the remote twice successively → “success” is shown on the LCD to indicate the successful operation

After that press $\rightarrow$ and turn off programmed sensor and start from ① again to program another sensor.
ii). **Program door/window gap sensor to the control host:**

Normally, zones 11 to 20 are used for door/window gap sensor. Each zone can learn 4 sensors.

Remove the battery protective tag from the door sensor to enable the battery →

After entering into “Program&delete” → ① Press OK key to delete two digits zone number → Input new two digits zone number (can be any zone number between 11 to 20) → Select “Program” and press OK → “Programming” is shown on the LCD → Trigger the door sensor by using magnetic contact **twice** successively (do not press the button on the door sensor or press the anti-tamper switch at back of the door sensor) → “success” is shown in the LCD to indicate the successful operation

After that press OK and do not trigger programmed sensor and start from ① again to program another sensor.

iii). **Program panic button to the control host:**

**Zone 01** is used for panic button. Each zone can learn 4 sensors

After entering into “Program&delete” → ① Press OK key to delete two digits zone number → Input zone number 01 → Select “Program” and press OK → “Programming” is shown on the LCD → Press the panic button **twice** successively → “success” is shown on the LCD to indicate the successful operation

After that press OK and do not trigger programmed sensor and start from ① again to program another sensor.
iv). Program smoke detector to the control host:

Normally, zones 01 to 10 are used for smoke alarm. Each zone can learn 4 sensors.

Remove the back bracket and open the cover to install the battery →

After entering into “Program&delete” → ①Press  
key to delete two digits zone number → Input new two digits zone number (can be any zone number between 01 to 10) → Select “Program” and press  
“Programming” is shown on the LCD → Trigger the smoke detector twice (i.e. Press and hold the Test Button until the buzzer sounds, then repeat again.) → “success” is shown in the LCD to indicate the successful operation.

After that please press  and do not trigger programmed sensor and start from ① again to program another sensor.

v). Program PIR motion sensor to the control host

Normally, zones 21 to 30 are used for PIR sensor. Each zone can learn 4 sensors.

Open the PIR’s cover:

Install the battery and wait 5 seconds for initialization.

After entering into “Program&delete” → ①Press  
key to delete two digits zone number → Input new two digits zone number (can be any zone number between 21 to 30) → Select “Program” and press  
“Programming” is shown on the LCD → Trigger the PIR twice (i.e. Make the red indicator on the PIR flash 2 times by moving in front) → “success” is shown in the LCD to indicate the successful operation.
After that please press \( \mathcal{OK} \) and remove the battery from programmed sensor and start from ① again to program another sensor.

vi). Program RFID tag to the control host

Zones 35 to 38 are used for RFID tag. Each zone can learn 4 tags.

After entering into “Program&delete” \( \rightarrow \) ①Press \( \mathcal{OK} \) key to delete two digits zone number \( \rightarrow \) Input new two digits zone number (can be any zone number between 35 to 38) \( \rightarrow \) Select “Program” and press \( \mathcal{OK} \) \( \rightarrow \) “Programming” is shown on the LCD \( \rightarrow \) Use RFID tag to touch on control host twice \( \rightarrow \) “success” is shown in the LCD to indicate the successful operation

After that please press \( \mathcal{OK} \) and start from ① again to program another sensor.

F. Program (Learn) Siren to the Control Host

1. Outdoor siren
   - Make sure all PIRs have been turned off and do not trigger any sensors and do not use remote key fobs
   - Connect the external power to the siren
   - Do not press the anti-tamper switch at the back
   - Turn on the switch for internal backup battery as shown in the picture below
   - Press and hold the learning SET button as shown in the picture below and release the learning button after one beep
   - LED on the siren flashes and siren enters into 15 seconds learning status
   - During 15 seconds learning status, press and hold “SOS” button on the control host and release after alarm goes off
   - The LED on the outdoor siren flashes 2 times with 2 beeps to indicate the successful learning
   - Disarm the alarm by using the keypad on the host
2. Solar powered bell box

- Make sure all PIRs have been turned off and do not trigger other sensors and remote key fobs
- Do not press the anti-tamper switch at the back
- Turn on the switch for internal battery at back of the solar bell box and the LEDs inside the siren flash once
- Wait for 10 seconds for initialization
- Press the small black learning button at back of the bell box once
- LEDs in the bell box light up and box enters into 15 seconds learning status
- During the 15 seconds learning status, press and hold the SOS key on control host keypad and release after alarm goes off
- Disarm the alarm by using the keypad on the control host
- Bell box makes 2 beeps and inside the LEDs flash 5 times to indicate the learning is successful
G. Unregister/Deactivate Sensors to the Control Host

1. Sensor

Select “Program&delete” and press \(\text{OK}\) to delete 2 digits zone number \(\rightarrow\) Enter new 2 digits zone number \(\rightarrow\) Select “Delete” \(\rightarrow\) press \(\text{OK}\)

After entering into “Program&delete” \(\rightarrow\) Press \(\text{SEL} \rightarrow\) key to delete two digits zone number \(\rightarrow\) Input new two digits zone number \(\rightarrow\) Select “Delete” by using \(\text{▼}\) and press \(\text{OK}\) \(\rightarrow\) “success” is shown in the LCD to indicate the successful operation.

Please note: all sensors registered on that zone will be deleted.

2. Reset outdoor siren

- Press and hold the Learning Button as shown in the picture above
- Release the Learning button after the second beep.

After reset, the outdoor siren is disconnected from the host.

3. Reset solar powered bell box

- Press and hold Learning button and release after 3 short beeps

H. Recovery & Reset

1. Password Recovery

Press and hold S3 button at back of the control host and release after a long beep. After that, the administrative password will be set to 1234 and operation password will be set to 1111.

2. Control host reset

Press \(\text{SEL} \rightarrow\) Input Program Password (default: 1234) and press \(\text{OK}\) \(\rightarrow\) Select “Reset” by using \(\text{▲▼}\) and press \(\text{OK}\) \(\rightarrow\) to enter into the menu \(\rightarrow\) Press \(\text{◄} \rightarrow\) to select On \(\rightarrow\) press \(\text{OK}\) to confirm.

After reset, all information will be reset to default setting, include alarm phone No., SMS information setting, arm delay setting, zone attribute, and delete all sensors. Default user password is1111 and program password is1234