BRIEF INTRODUCTION

M12 Multifunctional House Alarm System combines GSM and microwave Doppler radar technology. With the help of various reliable sensors and GSM communication mode (call and SMS), the house owner is able to handle the security of the house conveniently

■ Functions and Features

- Built-in microwave Doppler radar sensor
- Remote control: Maximum 20pcs
    Type: Normal and special (preset SMS auto report)
- Defense zone: 20 normal zones and 9 special zones.
- All armed and partial armed.
- Alarm report: Alert SMS and auto call go to preset three mobile phone numbers.
- Monitoring: When a recipient picks up an auto call, he/she can hear what is happening in their house.
- Two-way communication: When a recipient picks up an auto call, he/she can warn whoever enters into their house.
- Power down alert/back up battery
- Alarm setup: You can set up Armed/ Unarmed by remote control or phone or SMS.
- Wireless sensor: The GSM alarm system works with PIR motion sensor, smoke detector, panic button, etc.
- Monitor center: You can set one mobile phone number to be center number. Alert SMS and auto call go to the center number.
- Password protection
- Reporting function ■ Child report
    ■ Office entry/exit report
- Multi-function key **!** : Enable auto call and SMS to Recipients.
    In emergency status, (elder people or child) press the "!" key for SOS report.
- Easy installation and operation

■ Technical Parameters

- Network GSM: 850/900/1800/1900MHz or 900/1800MHz
- Built-in GSM antenna: 2dBi
- Work Environment: ■ Temperature: -10 – +50℃
    ■ Humidity: 20% – 95%
- Microwave radar sensor: transmission power <3mw. Work range: 1-15meters.
- Wireless sensor: 433/315MHz, 1527/2240 learning code, receiving sensitivity ≤0.1uv. Work range: 80-200meters (in open area)
- Remote control: 433/315MHz, 1527/2240 learning code, operating voltage: 6V DC(CR2015 Li battery). Work range: 20-100meters.
- Backup battery: Lithium Polymer 600 -750mAh, 3.7V,
    standby: 20hours.
- Power supply: Input: AC 110～240V; Output: DC7.5V, 1A
- Main unit size: 15 x13 x 4cm
- Package size: 225 x 147 x 85 mm.
- Package G.W.: 0.6kg

■ Accessories

■ Standard Package:

Main unit(1 set)   **Remote control**   **Indoor Remote control (1pcs)**

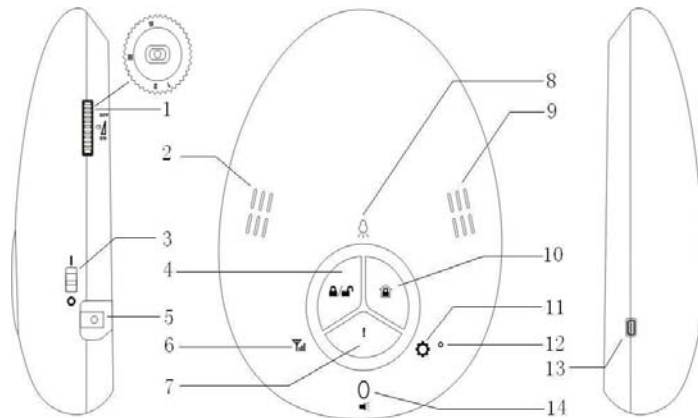**Door sensor**   **Power adaptor(1pcs)**   **Backup battery(1pcs)**

■ Optional Wireless Sensors:

Smoke detector, Gas leakage detector, PIR motion sensor, door sensor.

1. Main Unit

Main Unit Drawing

1--- Motion sensor switch/Sensitivity adjust	8---Armed/Unarmed LED
2---Siren	9---Speaker
3---Power switch	10---Partial Arm button
4---Arm/Disarm button	11---Setting up Indicator light
5---Power Input	12---MIC
6---GSM registering LED	13---Factory default port
7---SOS button	14---Alarm LED

2. Main Unit Keyboard

🔒/🔓 : Arm/Disarm button

🏠 :   Partial arm button

！ :   Multi-function key. Trigger auto call to call and SMS to Recipients.

In emergency status, press the "!" key as SOS report.

3. Remote control and Indoor Remote Control

■ ： Arm button. Press it to set up Whole Zones Armed.

🏠 ： Partial arm button.

■⌐ ： Disarm button

！ ： Multi-function key.

INSTALLATION

NOTICE:

- ℘ The terminal should be installed at a place with strong and stable GSM network.
- ℘ The terminal should never be put together with objects that might bring strong electromagnetic interference.
- ℘ The distance between the main terminal and each wireless sensor must be no longer than 100m.
- ℘ The terminal should be installed at a suitable place avoiding dusts, vibration, moisture, direct sunlight, high/low temperature.
- ℘ Please don't try to modify the inner structure of the terminal by yourself.
- ℘ This device needs to work with a valid SIM card (SMS, Caller ID, Enough balance).
- ℘ Check wireless sensor battery power regularly.
  Door/window sensor-----If low power LED is on, you need to change battery.
  Remote control-----If the work LED is dimmed, you need to change battery.

1. Choose Installation place and Mode

- ■ **Place:** Choose installation place as per microwave Doppler radar sensor detection area (dining room or balcony).
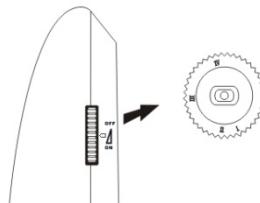
- ■ **Mode:** Wall mount or desktop installation.
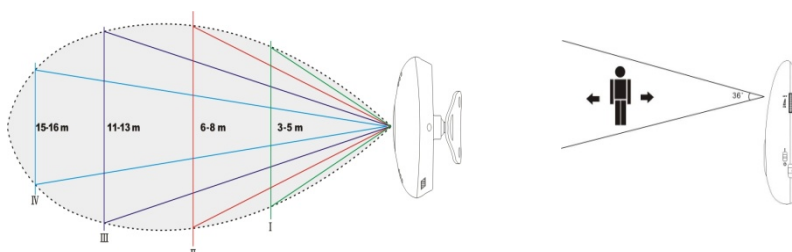
2. Installation Steps

2.1 Main unit:

1) Insert a valid SIM card into the SIM card slot on the back of the unit.

2) Put backup battery in the battery box.

3) Plug power adaptor into AC power socket and main unit DC input port.

4) Choose installation place and installation mode (wall mount or desktop)

5) Adjusting the Sensitivity knob to suitable detecting distance:

　① Choose the sensor detection range:

　　1： 3～5m
　　2： 6～8m
　　3： 11～13m
　　4： 15～16m

　② Adjust the main unit to detection area:

Horizontal detection range   Vertical detection range

2.2 Wireless sensor

Please refer to APPENDIX.

2.3 Check

After installation, turn on power. Check work LED light.

Register 📶 ------ ON: Registering or work without SIM card

Flash (every 1 sec): Successful registration

Status ☀ ------ ON: Armed status

OFF: Unarmed status

Flashing: Partial Armed status

Setup ⚙ ------ ON: when setting up alarm or sending query.

Alarm 🔊 Flashing: Alarm status, operation of ' **!** ' and power