

# Two-way Portable DIY WIFI Alarm System User Manual



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# WiFi Alarm System

This WiFi alarm system is a plug & play device, well designed with cellular and pure white case. It is totally through WIFI transmission with fast speed and no need any extra fee. It can expand to 40pcs wireless accessories and 10pcs remote control. The intuitive different color LEDs light up for status of arming,disarming, alarming. The all-in-one mobile apps allows users to remotely control the system anytime, anywhere. It protects your home with every corner.

## Content

Please remove all supplied contents from packaging as below. If there are anything missing, please return to your place of purchase.



Control Panel



Plug(Replaceable)



PIR+Door/  
Window Sensor



Remote Control



Plastic Plugs & Screws



User Manual

## ★ Features



90dB siren, 30-300s alarm duration



Totally wireless DIY installation



3 colors LED indicator



10 Remote control names



Entry/Exit delay



2 hours back-up battery

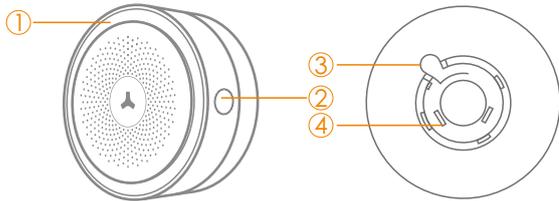


40 zones names



Multiple users & device management

## General View/LED Indication



### 1. LED Indicator

Red LED Flashes Once: Enrolling

Green LED On: System disarmed

Blue LED On: System armed in away mode.

Blue LED Flashes: System armed in stay mode.

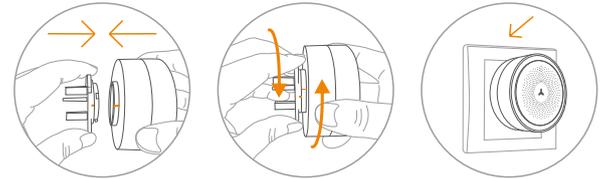
Note: LED indicator flashes quickly when WIFI network is off.

### 2. Enroll Button

3. Plug Handle ( Press the handle, counter clockwise rotate to change the plug)

### 4. Interchangeable Plugs

## Installation



## Notice:

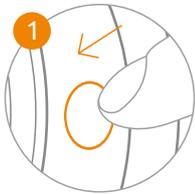
1. The back-up battery is only for emergency use, AC power should be the main supply.
2. Do not hit or drop the device in case of damage component inside.
3. The system should be tested regularly, so that all fault can be fixed in time.



# Wireless Accessories Enrolling and Clearing

## Wireless Accessories Enrolling

1. Press the enroll button once.  
System enters enrolling status when red LED indicator normally on.  
(Slightly press it again to exit)
2. Connecting Remote Control to Control Panel:  
Press any button on the remote control.
3. Connecting Door Sensor to Control Panel:  
Depart the transmitter and magnet
4. Red LED flashes once, the enrollment is successful;  
Red LED flashes twice, the accessory has been enrolled before.  
Red LED flashes 3 times, the storage is full.



**!** Note! Wireless siren is not included as wireless accessory. For specific details, please refer to the manual of siren. User can not trigger accessory's tamper switch button to enroll into system.

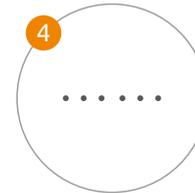
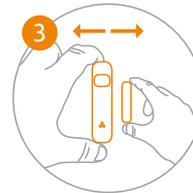
## Delete Enrolled Wireless Accessories

Press and hold the multi-function button to 5 secs until one beep is heard, all enrolled wireless accessories will be deleted.

## Add Wireless Accessories by Mobile App.

Switch to accessories interface, you can manage the accessories name and type.

1. Tap on "+" to add more accessories, follow the enrolling instruction.
2. Connecting remote control: Press any button on the remote control.
3. Connecting Door Sensor to Control Panel: Depart the transmitter and magnet.
4. Connecting more accessories.





## Zone Setup

After accessories added, you can choose zone types and change zone name for quick positioning after sensors are triggered.



### Normal Zone

Sensors set in normal zone(immediate alarm zone), once triggered in arming state, the system will receive the signal and activate the alarm immediately.



### Single Delay Zone

If exit/entry delay time is set, accessories in single delay zone will be delayed for arming/disarming. But accessories in normal zone, home mode zone, and 24H zone will not be delayed.



### Stay Mode Zone

Stay mode is known as "part arm". When system is stay armed, the accessories in home mode are disarmed. This allow users to move freely at home. But the accessories in normal zones will activate an immediate alarm when triggered.

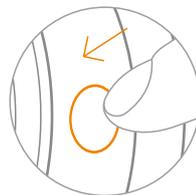


### 24 Hour Zone

No matter what state the alarm system is in, the accessories in 24 Hour zone are triggered, the control panel will get the signal and alarm immediately.



## Multi-function Button Operation (System should be powered on)



### 1. Turn on the System

Press the multi function button for 3 seconds or power on.

### 2. Enter connecting network status

Slightly press the button **3** times, the red LED flashes 3 times to enter connecting network status.

### 3. Turn off system

Slightly press the button **10** times to turn off system.



## Download Apps

Please enter keyword "Ontips Pro" on your smart phone to download the apps from the App store or Google Play.

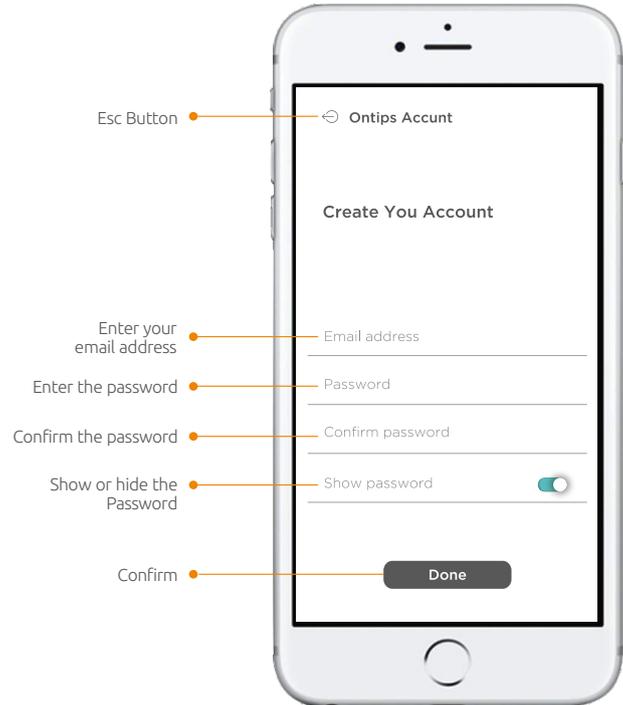


Search the keyword "Ontips Pro"



## Create an Account

Please create an account when you use the mobile apps first time, tap on "Create an Account" and follow these steps to create an account for your devices. Tap on "Done" to start login and setup after creating your account.



Esc Button

Enter your email address

Enter the password

Confirm the password

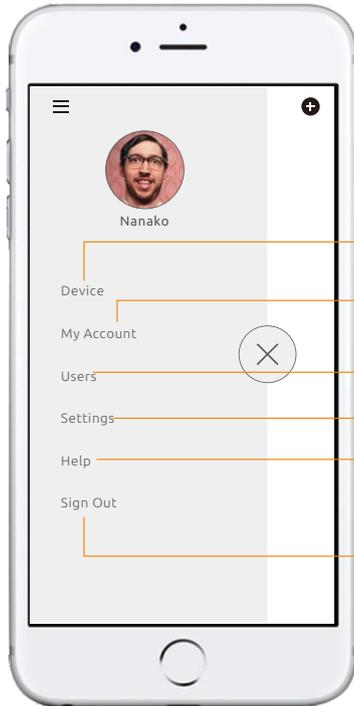
Show or hide the Password

Confirm



## User Setting

Tap on "☰" to start setup.



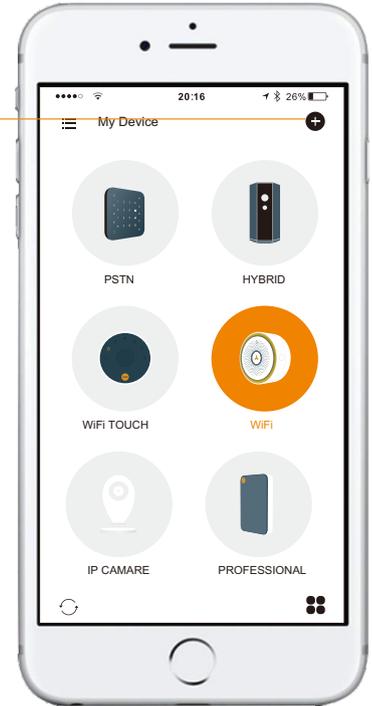
- Check the current devices and add multiple devices
- User profile(user name/ image/email etc)
- Share your device with others
- Time schedule/Emergency call/Notification sound
- Help center/ Contact support
- Sign out



## Add Device

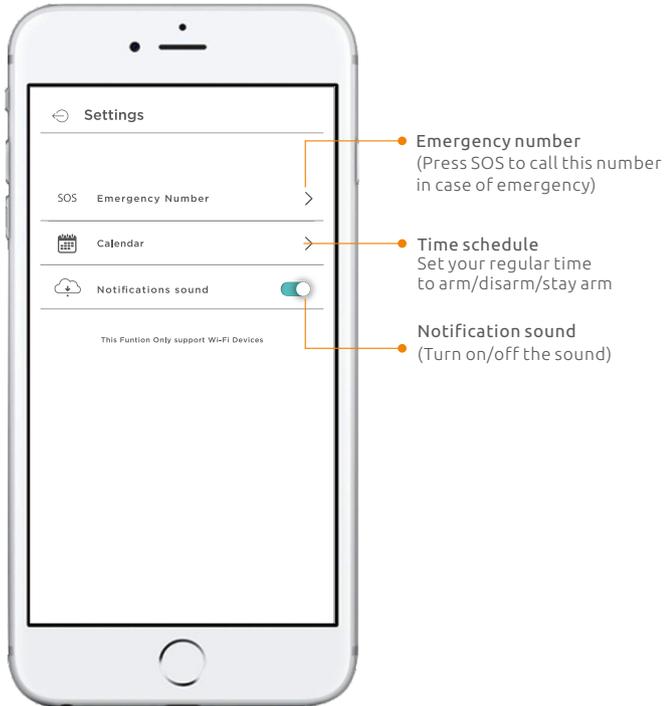
Tap on "⊕" to add new devices, choose the device you want to add and start setup.

Add device



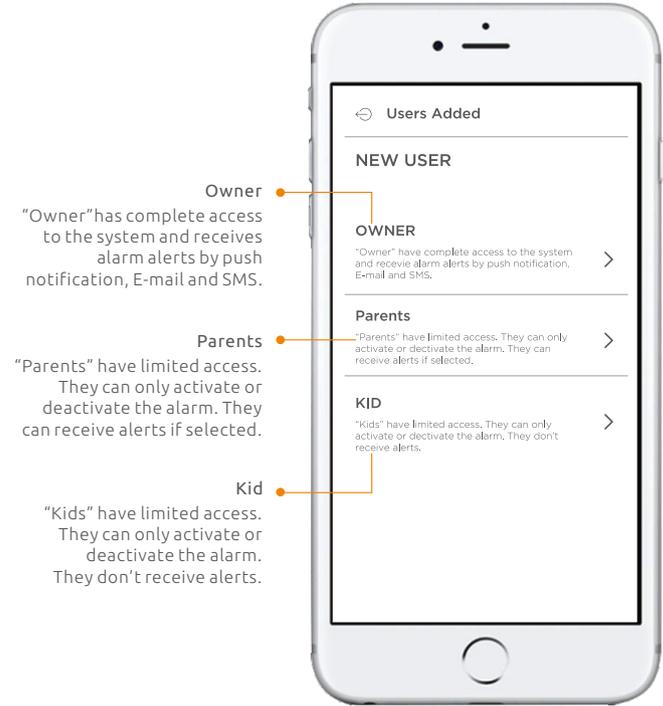
## Quick Setting

Tap on "Settings" to set your time schedule, and notification sound.



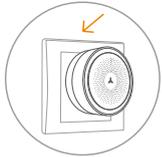
## Users Management

Tap on "Users" , add the new users according to different access authority.



## Link Installation

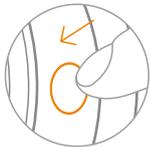
1. Plug it into a power outlet.



2. Add device.



3. Press the multi-functional button for 3 times.



4. Enter the WiFi account and password.



5. Leave for mobile phone setting.



Setting

6. Select Wi-Fi which names "SmartAlarm\_XXXX" .



Note! Please make sure the device and mobile phone are connecting to the same wifi network.

7. Back to Ontips pro app.

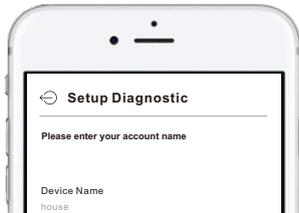


Ontips pro

8. Device is connecting, please wait.



9. Please enter your account name.



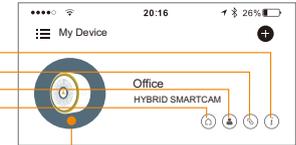
10. If you want to rename your device, enter device menu, and tap on " i " to proceed.



## Alarm System Interface

" Device " ----> Tap on " Device Name " ----> Enter alarm system operation interface.

- Change Device Name
- Device Link Status
- User Status (Admin or Shared)
- Alarm Status



System setup

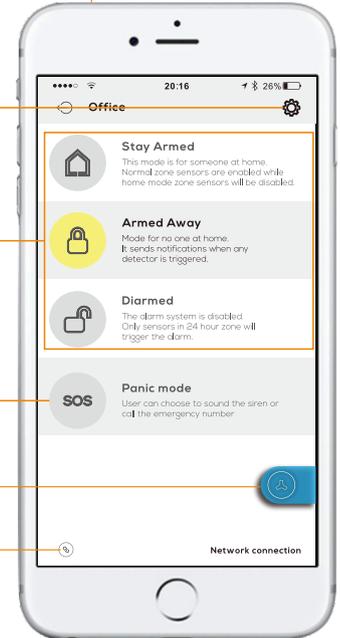
Alarm system operation

Panic mode

User can choose to sound the siren or call the emergency number

Accessories management  
Add/ Delete/Edit accessories

Current communication mode





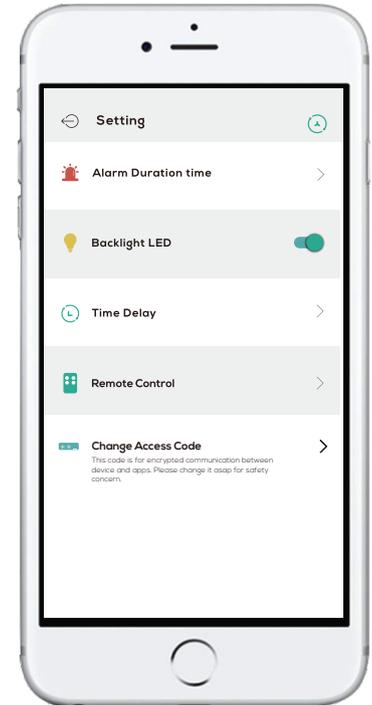
## Accessories Management

Tap on "" icon enters into accessories menu, users can enable/disable, add/delete different accessories. It's highly recommended to set the zone name to recognize the location when it's alarming. For zone types, please refer to P7.



## System Setup

"Device"--->"Device Name"--->Enter Alarm System Interface--->, Enter System Setting





### Alarm Duration Time

User can set the siren duration to be 30 secs, 3 mins, 5 mins .



### Backlight LED

User can turn the LED on or off.



### Exit/ Entry Delay

Set exit/entry delay time for accessories in single delay zone. It allows users to leave or enter home within the programmed time without activating an instant alarm. Once entry/exit delay time is set, when system is armed, in case of delay time less than 10 seconds, control panel will beep once every second. While delay time more than 10 seconds, control panel will beep once every 2 seconds, the sound will increase in tempo for the last 10 seconds for the "hurry up" notification. Once an entry is detected, it will allow the user to enter and disarm the system within the programmed entry time



### Change Keyfob Name

Change your keyfob (remote control) name, then you will easily know who's operating your system. Up to 10pcs remote control can be added.



### Change Access Code

This code is for encrypted communication between device and apps. Please change it asap for safety concern.

## Included Accessories



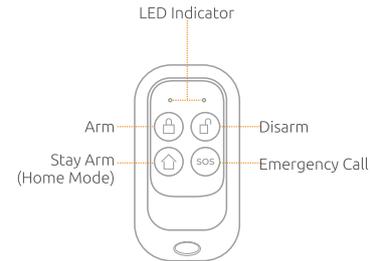
### Wireless Remote Control

The compact and elegant remote control is easy to carry. It is designed to fit on a key chain, a purse, a pocket or to be hidden in the car sun visor. This remote control act as multi-purpose key for arming, disarming, arming stay, and emergency call.

#### LED Indication:

**LED Flashes:**  
Transmitting the signal to control panel.

**Low LED Light:**  
Low battery, please replace the battery immediately.



### Mute Mode

Press stay arm button, then press arm or disarm button within 3 seconds to enter into arming or disarming state in mute mode without disturbing someone.

## Button Manual

### Arm

Press the **arm** button to arm the system before leaving your home, arming LED (left) flashes once, the siren beeps once to enter the arming state. Any detectors triggered will activate the system to alarm immediately. The system simultaneously send notification to mobile phone if "Keyfob Arming/Diariming Alert" is enabled. Once Exit delay function is set, system will be delayed arming accordingly. When you arm the system, in case of delay time less than 10 seconds, control panel will beep once every second. While delay time more than 10 seconds, control panel will beep once every 2 seconds, the sound will increase in tempo for the last 10 seconds for the "hurry up" notification.

### Disarm

Press **disarm** button before entering your home disarming LED (right) flashes once. Then you are able to move freely in your home without triggering the alarm. In the event of alarm, you can press this button to disarm the system and silence the siren.

### Stay Arm (Home Mode)

Press the **stay** button, arming LED (left) flashes once, the siren beeps once, system is in stay arm mode. The accessories in home mode are disarmed, this allows the user to move freely at home, while the rest of the system is fully armed, the accessories in normal zones will activate an immediate alarm when triggered.

### Emergency Call

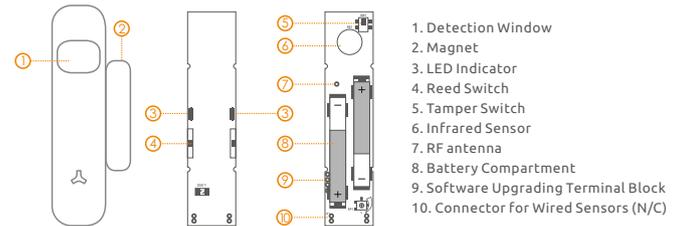
Once there's an emergency situation, no matter what state the alarm system is in, press **SOS** button once for help, both LED flashes once, the system immediately goes into an alarm condition and notify your family.

## Included Accessories



### Wireless PIR Motion Detector & Door/Window Sensor

#### Appearance:



**Note!** The door sensor is set in Normal Zone1 as default. It will cause an immediate alarm if the magnet departs from the transmitter more than 2cm in arming state.



#### LED Indicator:

LED flashes once every 2 seconds: PIR warming up  
LED flashes once every 3 seconds: Lower battery, please replace the battery (AAAA LR61)  
LED flashes once every 1 second: Detecting alarm/tamper alarm

#### Tamper Switch:

Once the case is opened, the tamper switch will be triggered.

## Connecting Sensor to Control Panel:

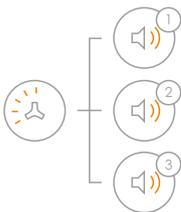


1. Press the enroll button of control panel, the control panel enters into enrolling status, the LED lights up in red. (Press again the enroll button within 20 seconds to exit enrolling state.)



2. Connecting PIR sensor to control panel: power on or trigger the PIR sensor.

Connecting door sensor to control panel: depart the transmitter and magnet. (Enrolled by PIR, the default zone is home mode 1, enrolled by door sensor, default zone is normal zone 4).



1 System beeps once, the LED light flashes once, the enrollment is successful.

2 If system beeps twice and the LED light flashes once, the accessories have been enrolled before.

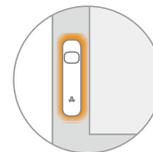
3 If three beeps are heard and LED light flashes once, the storage is full.

(Note! Please don't press tamper switch to enroll or enroll accessory in low battery status.)

## PIR Working Mode:

### Testing Mode:

When powered on, PIR starts to warm up, LED backlight flashes for 40 seconds to enter the testing mode. In this mode, it will enable the LED indicator to light and control panel to alarm every time once a movement is detected. After the 20th detections, it enters into sleeping mode. And door sensor enters working mode.



### Sleeping Mode:

The sleeping time of PIR approximately 3 minutes to save power. No movement detected within 3 minutes, the PIR detector goes back to the working mode. Once PIR is triggered, the PIR will light in red and alert alarming. PIR will re-enter into sleep mode after 3 times detections during the working mode. Any movement detected within 3 minutes, the PIR will not light in red and the alarm will not be activated. And it will extend the sleep time by another 3 minutes.

### Walk Test:

1. After warm-up, PIR enters into working state.
2. Walk across detection area and watch the LED indicator to make sure it flashes once when detecting the movement and send signal to the alarm panel.



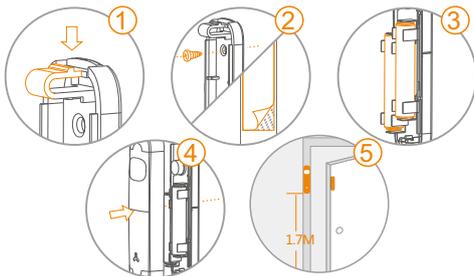
## Door/Window Working Mode:

The Door/Window Sensor can be installed on doors, windows and any other objects that open and close. The sensor transmits signal to control panel when the magnet mounted near the sensor is moved away. The tamper protection ensures that sabotage attempts to move the sensor will result in an alarm activation.



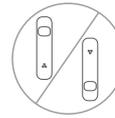
## Installation:

1. The sensor should be installed in entry or exit which intruder can easily enter.
2. Sensors can be installed on door or window that open and close. Make sure the installed position have been already cleaned.
3. Remove the paper strip of the double-sided tape on the back of transmitter and magnet. Carefully mount the transmitter on the door frame and the magnet on the door.
4. Or you can fix the rear base on the place by using the screws for both transmitter and magnet.
5. Magnet can be placed on both left or right side of transmitter.
6. The sensor is more sensitive to cross-movement than to direct movement. The performance of the detector is optimal when detection direction is across the walking direction of intruders.

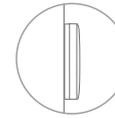


## Detection Mode & Area:

Front View



Side View

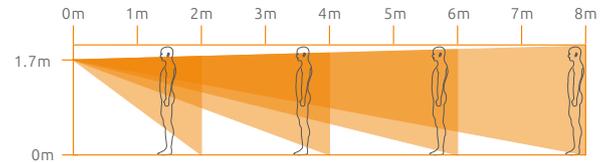


Top View



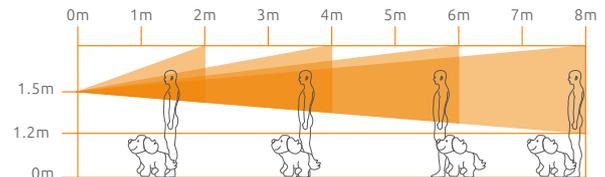
## Normal Mode:

It's recommended to mount it at the height of 1.7m from the ground. Detection range is 90 degree, with 8 meters range.



## Pet-immunity Mode:

It's recommended to mount it at the height of 1.5m from the ground and put the lens upside down for pet immunity. Detection range is 90 degree, with 8 meters range. Height limit for animal is 1.2 meters.



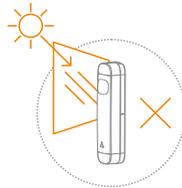
## Connect the Wired Output Interface :

There are two terminal blocks can connect any N.C output wired sensor.



### Notice:

1. Avoid mounting the detector close to places where heat changes fast or air stream flows frequently. (ie. Air conditioner, tube light, oven, waver, refrigerator etc.)
2. Avoid it facing to window which can be easily interfered by complicated environment. (ie. sunlight, crowds, or flowing cars etc.)
3. If two detectors are installed in the same detection scope, please adjust the location to avoid interference and false alarm.
4. Place the transmitter in the desired location, mount the magnet no more than 1cm away from the transmitter.
5. Avoid mounting sensors in areas with a large quantity of metal and electric wiring.
6. The product can reduce the possibility of accident, but the user is advised to take all necessary precautions for the safety and the protection of the property.



## Specifications

Product Name :	Two-way Portable DIY WIFI Alarm System
Control Panel's Power Supply :	Input: AC 110~240V/50~60Hz
Built in Battery:	600mh/3.7V
Internal siren :	90dB
Allowed Amount of Expandable Wireless Accessories	10pcs remote controls 40pcs wireless accessories
Radio Frequency	FHSS/ 433MHz / 315MHz
Housing Material	ABS plastic
Operation Condition:	Temperature: -10°C~55°C Humidity: ≤ 80%(non-condensing)
Size (Dx H) :	Φ80×41.7cm



## Specifications

Power Supply:	DC 3V (2pcs of AAAA, LR61 Battery)
Standby Current:	≤50μA
Transmit Current:	≤39mA
Wireless RF Frequency:	FHSS/ 433MHz / 315MHz
Operation Condition:	Temperature: -10°C~55°C Humidity: ≤ 80%(non-condensing)
Detector Dimensions (LxWx H) :	21 x 90 x 18mm
Magnet Dimensions (LxWx H) :	10 x 45 x 11mm



## Specifications:

Power Supply:	DC 3V (1pc CR2032 button cell batteries)
Transmit Current:	≤6mA
Wireless Transmit Distance:	≤80m (in open area)
Transmitting Frequency:	FHSS/ 433MHz / 315MHz
Housing Material:	ABS plastic
Operation Condition:	Temperature: -10°C~55°C Humidity: ≤ 80%(non-condensing)
Dimension(L/W/H):	35x70x12 mm



## Frequently Asked Questions

### 1. Is it possible to expand more accessories for this alarm system?

Yes, 40pcs sensors and 10 remote controls can be expanded according to users' need. Full range of accessories will be offered including PIR motion sensors, door sensors, vibration sensors, flood sensors, keypads, sirens and premiere protection beams & fences, environmental sensors like smoke detectors, please refer to details of Accessories.

### 2. What happens in case of alarm?

The system will alarming immediately, and Wi-Fi alarm sends you the push notification directly to your mobile apps.

### 3. What internet connection do I need for Wifi system?

All contemporary Wi-Fi standards on 2.4 GHz are supported. The speed of the Internet can have effect on the performance of the system. It is recommended to use a fast and well-functioning Internet connection for optimum performance.

### 4. Do I have to pay for a app?

All available Ontips Pro apps are free to download (App Store or Google Play). The complete functionality is free.

### 5. How to download the apps for WiFi alarm system?

Go to App Store or Google Play to download the application by entering the keyword of "Ontips Pro".

**6. Are Ontips Pro mobile apps with all mobile phones?**

On all smartphones with a recent version of an iOS or Android operating system, apps are available for download and use. For this functionality, depending on the system, a mobile connection or mobile Internet / Wi-Fi connection is necessary.

**7. What's the maximum range between the control panel and accessories?**

It's 80 meters in open area. The walls might shorten the distance, it's recommended to install the accessories at the right place, and move the panel to adjust a better signal receiving. If the house is too large, it's better to add a signal repeater to boost the coverage.

**8. Will my alarm system work in the event of a power failure?**

Yes, They system has rechargeable back-up batteries which can support it working for 2 hours. When the power is recovered, the battery will be recharged.