home8care
THE VIDEO-ALERT EXPERT

Fall & Medical Alert Sensor

FDS1300

User Manual

No fall detection system can detect 100% of all falls.

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Chapter 1. Introduction

Wear the fall detector sensor around your wrist or as a pendant to send an immediate notification to family, friends, or caregivers when it detects a fall. The sensor automatically triggers a distress signal and alerts upon the detection of a fall. Press and hold the central button to trigger an emergency alarm.

KEY FEATURES

- Works with all Home8 systems
- Fall sensor automatically triggers a signal if a fall is detected
- Press and hold the central emergency button to trigger an emergency alarm
- Built-in attention buzzer
- Send App push notifications to multiple users
- Rechargeable battery
- Low battery alarm

SPECIFICATIONS

- Wireless and Security: 433 MHz Preparatory
- Wireless Range: 300ft (90m) line of sight
- Operating Temperature: 14°F ~ 122°F (-10°C ~ 50°C)
- 330 mAh rechargeable battery
- Water Resistant (IP54)
- Power Adapter: Input AC 100-240V, Output DC 5V, 1A

1.1 System Requirements

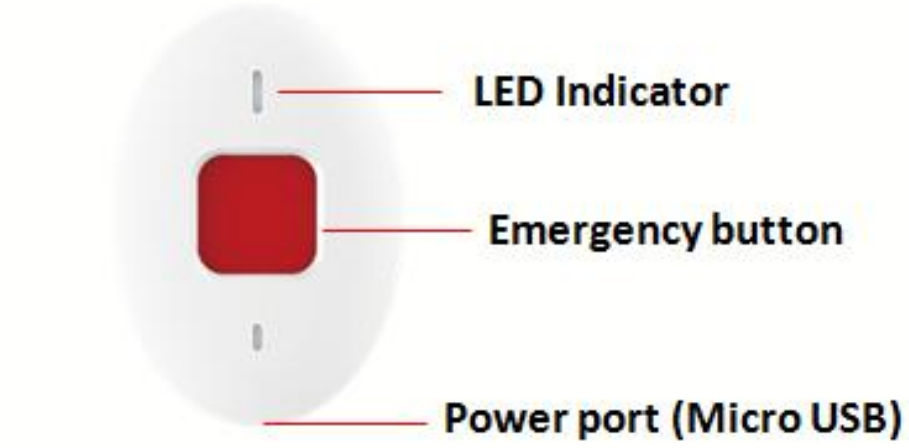
This section explains the system requirements when using the sensor.

Network	Router with - 10/100Mbps RJ45 LAN port - DHCP service
Mobile Device	An Apple iPhone, iPad, Android or Windows mobile device with: - iOS (version 8.1 above) - Android (version 4.1 above) - Windows 10 Mobile, Windows Phone 8.1, Windows Phone 8

***** See Appendix – Glossary of Terms.

Chapter 2. Hardware Overview

This section provides an overview of the Fall & Medical Alert Sensor.



Chapter 3. Fall & Medical Alert Sensor Setup

3.1 Power on the sensor

Before using the sensor, please charge it for at least 2 hours.

Note: The battery should last 7 days under normal use. To be safe, charge daily until the green LED lights-up.

3.2 Adding the Sensor to the System

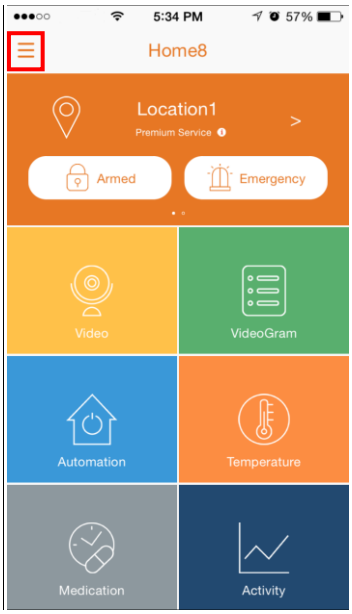
Before you begin using the sensor, it will need to be added to the system first. For details, see the subsections below.

To activate the sensor, complete the following steps.

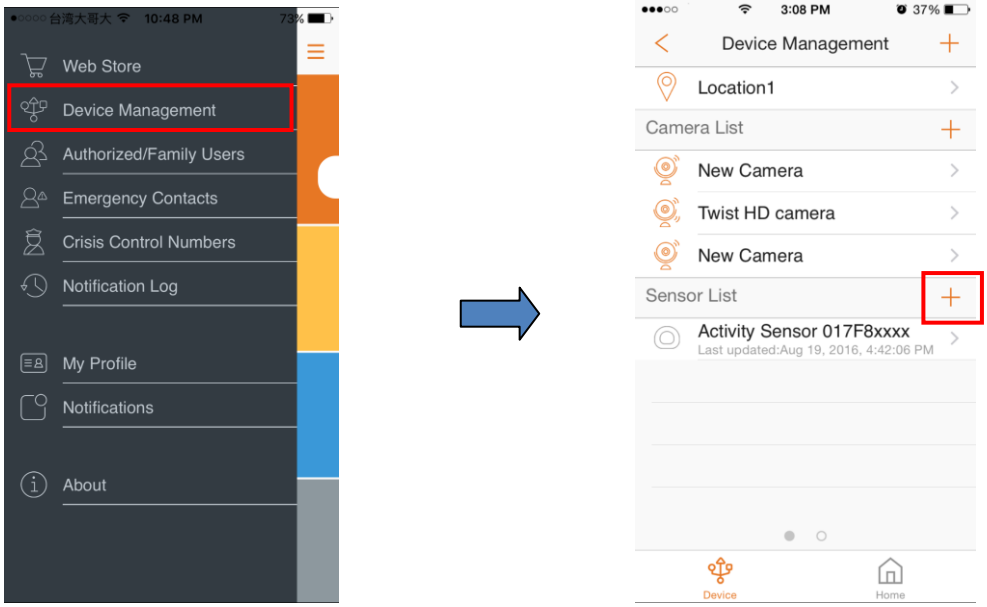
Note:

Make sure the Security Shuttle is powered on and connected to your router.

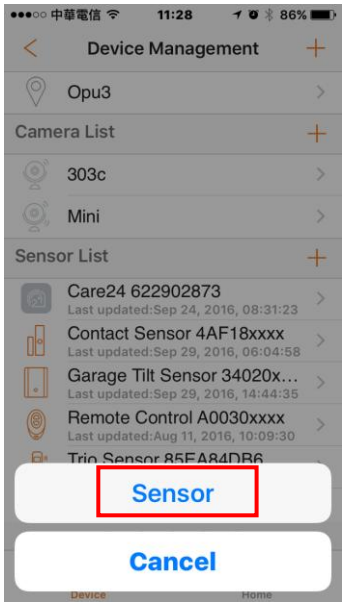
1. Tap the menu icon ☰ to show the sidebar menu.



2. Tap “Device Management”. If you have more than one Security Shuttle, you may need to swipe left more than once to find the one you wish the sensor to connect to. After selecting the Security Shuttle, tap the plus icon “+” located to the right of “Sensor List”.



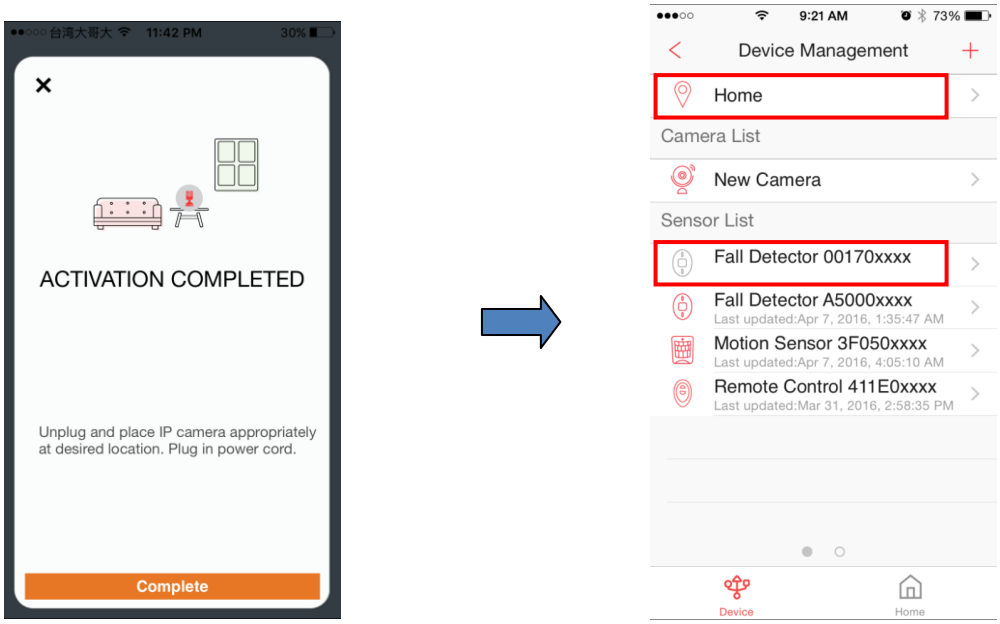
3. Select “Sensor”.



4. Follow the on-screen instructions. When finished, press “Next”.

5. After scanning the QR code located on the back of the sensor, the “sensor adding” process will begin.

6. When the activation is completed, the sensor will be added to the device management page. In the illustration shown below, the name of the Security Shuttle is “Home” and the name of the sensor is “Fall Detector 00170xxxx”.

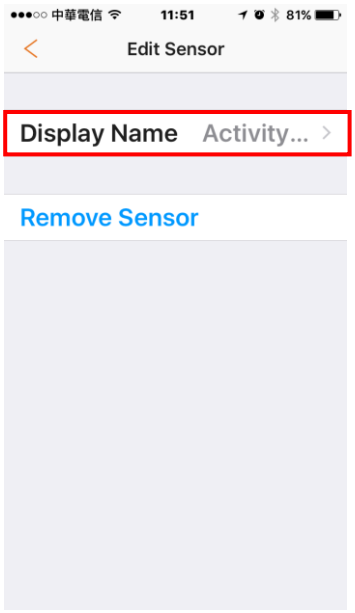


3.3 Testing and positioning the sensor

After the “sensor adding” process has been completed, you can wear the device as a pendant. We recommend maintaining the lanyard length at a comfortable position, but as short as possible. To make sure the connection of the sensor is working, press and hold the emergency button of the sensor for 3 seconds, and you should receive an“Emergency” push notification.

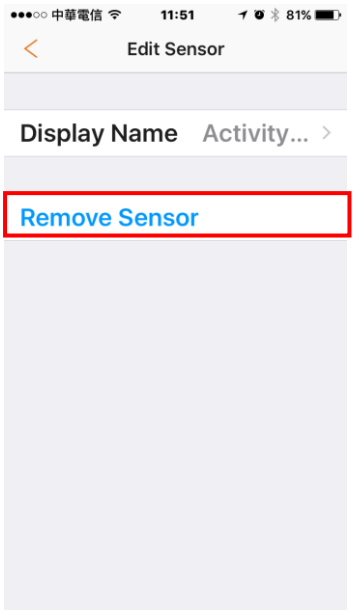
3.4 Rename Sensor

To rename the sensor, go to “Device management”, select the sensor you want to rename, and then tap “Display Name”.



3.5 Remove Sensor from System

To remove the sensor from the current Security Shuttle, tap “Remove Sensor”.



Chapter 4. Starting to Use the Fall & Medical Alert Sensor

At this stage, your sensor is now ready for use.

4.1 Detection Conditions

Our fall detection technology follows the basic principles of physics in that the sensor detects the movement of a human body's velocity – impact – stability (in whichever direction) to identify a fall.

A signal cover range test is required to determine which areas in your home will be covered and if there are any environmental conditions that will affect the signal.

The signal cover range may be adversely affected in the following situation:

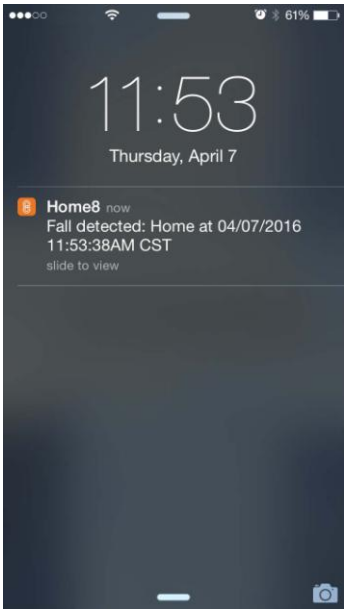
- Use in an elevator
- A body or other large mass covering the fall detector (e.g., a person falling on top of it)
- Building materials (e.g., concrete, metal, etc.)
- Submersion in liquid (Water Resistant Level is not enough to take a shower or bath)
- Person wearing the sensor r falls down slowly
- Use in outdoor or out of Wi-Fi signal coverage
- Intelligent hubs not connected to the power or Internet
- Seniors who are shorter than 4 feet, 6 inches (137 cm) tall
- Seniors who weigh less than 88 pounds (40 kg)

Alert Conditions

Alert NOT triggered	Stand up	Stand up from squatting
	Sit down	Sit down against the sofa from standing/ upper body lean forward
	Squat down	Squat down from standing
	Lay down	Lay down from sitting
	Bend over	The moment of bend over
	Bent back	The moment of bent back
	Sway	Body shaking
	Climb up/walk down stairs	Vibration when stepping
	Pendant place on the table	Table vibration
Alert triggered	Forward falls	Pendant hit/not hit the ground
	Backward falls	Pendant hit/not hit the ground
	Lateral falls	Pendant hit/not hit the ground

4.2 Fall Detection and Notification

Regardless of the arming status, the Fall & Medical Alert Sensor will automatically detect a fall down situation. Once a fall is detected, the sensor will start beeping with the LED indicator blinking red. After 10 seconds, a “Fall detected” notification will be sent to all authorized users.

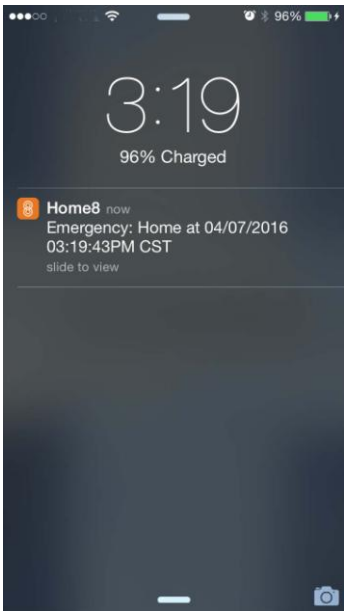


False alarm situation

Within the first 10 seconds of a detected fall down incidence, you can cancel the alarm by short pressing the emergency button. The sensor will stop beeping and no notification will be sent.

4.3 Trigger Emergency

By pressing and holding the center button for 3 seconds, an emergency alarm will be triggered and notifications will be sent to the caregivers, alerting them of the emergency situation. To cancel, press the emergency button again.



4.4 LED Indicator Status

- Charging: red LED
- Fully Charged: green LED
- Stand By: blinking green LED（15s in average）
- Alarm: blinking red LED
- Low power : blinking red and green LED

Appendix – Glossary of Terms

Arm: The cameras and other security related sensors in the system are actively monitoring the surroundings. Any suspicious activity that has been detected by the camera or sensor will prompt the app to immediately send a notification. A recording will also be performed by the camera(s) that witnessed the event.

Disarm: The cameras and other security related sensors in the system are no longer actively monitoring the surroundings. The system will not react to any suspicious activity detected by these devices. No notification will be sent.

Note: If the continuous recording function is turned on, video recording will always work regardless if the system is armed or disarmed. For more details regarding the continuous recording function, see *Section 4.8 Turn On/Off Continuous Recording*.

Event: An event is created when any camera or sensor detects an activity, or is manually triggered by the user.

Security Shuttle: Functions as a secure and intelligent hub to manage the devices and communicate with the cloud server. Currently, there are three types – **OPU1120**, **OPU2120**, and **OPU3120**.