

# 【Quick Installation Guide—RF Gateway and Fall Down Detector】

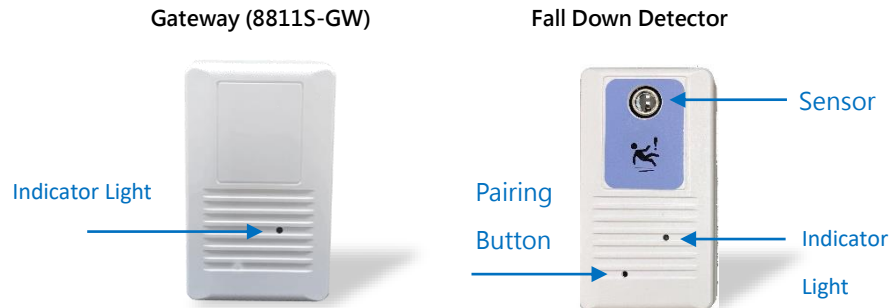
## ➤ Preparation

Equipment Required: SmartPhone or Laptop, WiFi Router

Application: Web Browser (Microsoft Edge/ Google Chrome/ Safari...)

9abcx-rf is only a sensor, so it must be combined with gateway 8811 to work

## ➤ Product Photo



## ➤ Gateway Installation

- 1.1. Install Gateway : Power on the Gateway, the Indicator Light turns Red.
- 1.2. Indicator Light flashes red and green for next installation (AP-Mode)
- 1.3. Turn on WiFi Setting on SmartPhone/Laptop and connect to Gateway SSID. The format is like "SBI-GW-XXXXXXXXXXXX", and password "12345678" .
- 1.4. Turn on web browser and enter "<http://10.42.0.1:8000>" (AP-mode connected address)

### GW Function



## ➤ Setting

- 1.1 RF pairing Process the pairing process for Gateway and Sensor

Press "RF pairing" on web browser and take a fine needle to press the pairing button at the bottom left of the Detector around 2-5 seconds. The Indicator light flashes green then take out the fine needle. The pairing process is done after the indicator light turns solid green for seconds. The sensor number starts from {0}, followed by {1,2...7}. (Up to 8 ). Check it by "Find Sensor" -> "Online Sensor" after 30 seconds after pairing. (Section 1.6)

- 1.2 Remove all RF devices Remove all the pairing between Gateway and Sensors

Press "Remove all RF" on web browser and all the pairing between Gateway and Sensors are invalid.

- 1.3 WiFi Setting Connect Gateway to WiFi router and connect it by [http:// <gateway IP>:8000](http://<gateway IP>:8000). (Client mode). Select the WiFi SSID and enter password of your router. It takes 3-5 minutes for WiFi setting. The Indicator Light turns to Blue after the WiFi setting is completed. (Blue for Internet accessible; Red means Internet non-accessible)

### Wifi Setting

- 1.4 API server address setting Modify the server address

You can configure the server address for data upload by this option.

(<http://server IP>). To upload the Gateway heartbeat and event record.

Please find the API document provided by SBI for more detail.

### Set api server addr

- 1.5 Read slip trigger log Read the fall down event record

You can check the time record table of fall down event from this option. It will keep the last 50 data. The data will be completely removed and re-recorded after Gateway power

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on again.

## 1.6 Find Sensor Check all the pairing list and status of Gateway and Sensors

Online sensor: The sensor list for pairing to Gateway and online. Ex: **Sensor {0}**

Offline sensor: The sensor list for pairing to Gateway and offline. **NULL** means none.

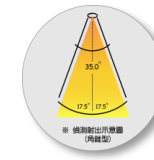
Not paired: The sensor list that are not paired with Gateway. (**Sensor 1 to 7**)

### Sensor status

--Online sensor: 0

--Offline sensor: NULL

--Not paired: 1 2 3 4 5 6 7



### \*Reminder~

The sensor needs to be installed at a distance of 40~50 cm from the ground to produce a 35 degrees detection range. (Pyramid) °

▲ Schematic diagram of sensor light emission (side view/top view)

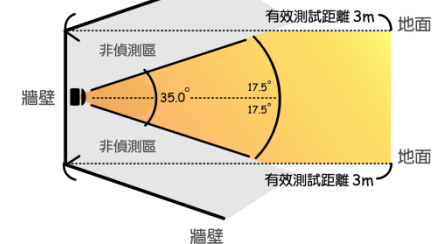
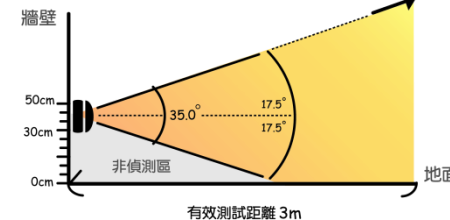
## ➤ Fall Down Detector Installing and Testing

1. Please place the sensor to the place where you prefer. Such as bathroom, bedroom or bedside etc. (\*Note : Illustrate it by bathroom)
2. Find a suitable wall for installing the detector under the detected area. (refer to below photo)
3. Install location: Find the position where the wall is 40-50 CM away from the ground. (mark)
4. Attach the top of sensor to the mark and install completed.

★ **Reminder : Be sure to process pairing before installation.**

★ **The distance should not exceed 1 meter while pairing.**

5. The fall down detector will perform self-environment calibration after re-power. The indicator light will start to flash. It keeps on for test starting. And the indicator light turn off after testing done. It takes around 2 minutes. Please keep the detected area empty under calibration.
6. Make sure the indicator light turns off and ready for testing. A person walk into the detected area and falls down (LED flashes red light), lying down and last for about 30 seconds without sharp movement). The indicator light will stay on Red and the fall down event is triggered by sensor.



### 備註 :

- The standard USB cable for fall down detector is 80 cm length. If that is not suitable for usage and it is recommended to purchase a dual-connected USB extension cable on the market.
- Here is download site for our user manual:  
Chinese website: <http://www.smartbridge-info.com>  
English website: <http://www.smartbridge-tech.com>

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## [ Warning ]

Herty, Smart Bridge Information Inc. declares that this 8811S-GW&9202N-RF is in compliance with the essential requirements and other relevant provisions of Of Directive 2014/53/EU.

In accordance with Article 10(2) and Article 10(10), this product allowed to be used in all EU member states.

Use the 8811S-GW&9202N-RF in the environment with the temperature between 15 degree and 33 degree in Celsius.

Adapter shall be installed near the equipment and shall be easily accessible.

The plug considered as disconnect device of adaptor

Adaptor Model: PG062-0501000EB

Input AC: 100-240V 50/60Hz 0.3A    Output: DC 5.0V, 1A

Manufacture: Pgttec Technology Co., Ltd.

Address: 3<sup>rd</sup> Floor, Building A, Yinhai Industrial Park, Nanming Road, Guangming District, Shenzhen, China

E-mail: [tonyliu@hkpgttec.com](mailto:tonyliu@hkpgttec.com)

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.