

PROSPACE Hub 3.0

Technical Description

Date: 02 January 2019

Descriptions: The HUB3.0 is used to receive RF 433Mhz signals sent by other separate PIR sensors/devices – and thereafter transmit the data to internet via embedded 3G module (with 3G simcards from local telco) or via WiFi.

Technical Specification	<p>GSM Band</p> <ul style="list-style-type: none">• GSM 850 MHz• E-GSM 900 MHz• GSM 1800 MHz• GSM 1900 MHz <p>UMTS Band</p> <ul style="list-style-type: none">• Band II 1900 MHz• Band V 850 MHz <p>WiFi</p> <ul style="list-style-type: none">• 802.11 b/g/n
Environment	To be deployed in sheltered environment not exposed to rains and direct sunlight. (e.g.- offices)
Power Rating	5V, 3A
Dimension	118mm (L) x 118mm (W) x 25mm (H)

User manual – How to deploy:

1. Power-on the hub3.0 by connecting its adapter to normal power socket readily available in any buildings.
2. The hub3.0 will then start collecting/receiving signals from nearby PIR devices.
3. To read the RF data collected, below the 2 ways:
 - a. Connect WiFi to HUB3.0 to transfer data to Internet.
 - b. Insert 3G simcard into the Hub3.0 and connect to mobile broadband/3G

FCC statement

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 that is received, including any interference that may cause undesired operation.

RF exposure warning :

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

This device is acting as slave and operating in the 2.4 GHz (2412 ~2462 MHz) band.

Ad Hoc function is supported but not able to operate on non-US frequencies. Do not use the device with the environment which below minimum -30 °C or maximum over 50°C .

NOTE: 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.
- 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

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