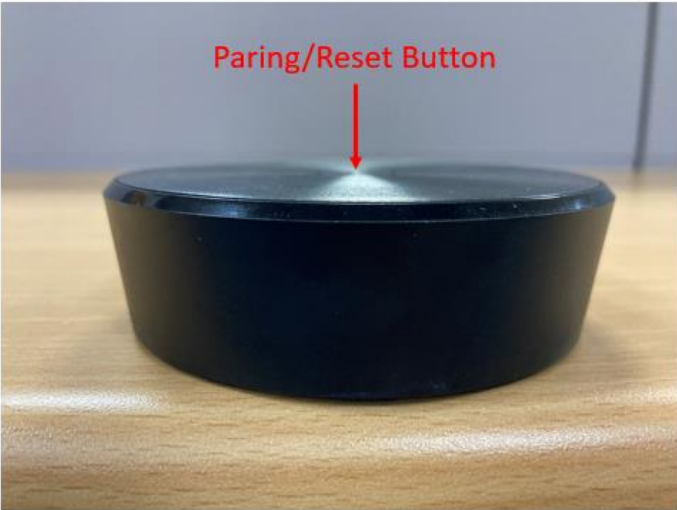


HUB Gen2

User Manual

Model : HUB02

Overview



LED Explanation

| Light Color | Explanation | Note |
|--------------------|----------------------|--------------------------------|
| Purple Light | Warm-up | take 10 ~20's |
| White Light | Ready For Operation | |
| White Light Flash | Pairing Mode | Press button for 3 times |
| Blue Light Flash | Transmitting command | |
| Red Light Flash x3 | Factory Reset | Press and hold button for 12's |

Specification

| NO | Item | | Specification |
|----|--|--------------------------------|--|
| 1 | Power source (External Power Adapter) | | Input Power: 100-240Vac ~ 50/60Hz |
| | | | Output Power: 5Vdc, 1A |
| 2 | Radio type | Proprietary RF | Proprietary 2.4 GHz: 2 Mbps, 1 Mbps |
| | | Wi-Fi standard | IEEE 802.11b/g/n 2.4GHz, CSMA/CA IEEE 802.11a//n/ac 5GHz, CSMA/CA |
| | | Wi-Fi Transmission rate | IEEE 802.11a/b/g/n/ac, wireless data rate can reach up to 433Mbps |
| | | Bluetooth | 5, IEEE 802.15.4-2006, 2.4 GHz transceiver |
| | | Bluetooth Transmission rate | Bluetooth 5: 2 Mbps, 1 Mbps, 500 kbps and 125 kbps IEEE 802.15.4-2006: 250 kbps |
| 3 | Interface | | Ethernet 1 x 10/100 Mbps LAN Port |
| | | | USB Type-C charging Port |
| | | | RS-485 TIA/EIA-485A standard, Phone Jack Port |
| 4 | Operating system | | Embedded Linux |
| 5 | Memory | | SPI NAND Flash 1Gbit |
| 6 | Operation temperature | | 0°C ~45°C |
| 7 | Operating humidity | | 20% to 90% relative humidity, noncondensing |
| 8 | Storage temperature | | -10°C ~65°C |
| 9 | Dimension (mm) | | Ø93.9mm*27.8mm |
| 10 | Weight (g) | | 70g |

Safety Statement

Federal Communication Commission Interference Statement

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 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.

FCC Caution:

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

(Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Safety Statement

IC statement

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

ISED statement (France):

L'émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.


Safety Statement

◆ Frequency range:

| | FCC | IC | CE |
|--------------------------|-----------------|------------------------------------|-----------------|
| Wi-Fi 2.4 GHz | 2412 – 2462 MHz | 2412 – 2462 MHz | 2412 – 2472 MHz |
| Wi-Fi 5 GHz (Band 1 & 2) | 5180 – 5320 MHz | 5180 – 5320 MHz | 5180 – 5320 MHz |
| Wi-Fi 5 GHz (Band 3) | 5500 – 5700 MHz | 5500 – 5580 MHz 5660 – 5700 MHz | 5500 – 5700 MHz |
| Wi-Fi 5 GHz (Band 4) | 5725 – 5850 MHz | 5725 – 5850 MHz | N/A |

EU: max. EIRP: 20 dBm (2.4 GHz) / 23 dBm (5 GHz)

◆ CE Warning

| | | | | |
|---|--------|----|----|----|
|  | | | | |
| AT | BE | BG | CZ | DK |
| EE | FR | DE | IS | IE |
| IT | EL | ES | CY | LV |
| LI | LT | LU | HU | MT |
| NL | NO | PL | PT | RO |
| SI | SK | TR | FI | SE |
| CH | UK(NI) | HR | | |

Indoor use only for WLAN 5150-5350MHz.