

HomeAware Sensor Product Information

HomeAware Sensor Product Description

The HomeAware Sensor captures layer 2 data from WIFI and Bluetooth devices (BLE) and transmits filtered data to the cloud for classification and presence detection. The cloud notifies a user of changes via mobile app notifications and makes current and historical state information available via secure APIs to both users and third-party monitoring services.

The HomeAware Sensor consists of two system-on-chips (SoCs), each containing a single 2.4GHz multi-protocol radio. SoC-1 supports 2.4GHz 802.11 b/g/n Wi-Fi and Bluetooth Low Energy 5 (BLE). SoC-2 supports Bluetooth Low Energy v4.2.

The HomeAware Sensor operates in one of three modes: onboarding, device pairing, and normal sensing.

In onboarding mode, only SoC #1 is active. Using BLE, the sensor connects to the user's mobile device for the secure transmission of the home WIFI network SSID and password. While remaining connected to BLE, the radio attempts to connect to the home WIFI network. Upon successful WIFI connection, and communication with the cloud, the BLE link is dropped.

In device pairing mode, SoC #2 uses BLE 4.2 to advertise so that a mobile phone can pair with it. SoC #1 uses WIFI to communicate pairing status to the cloud.

In normal sensing mode, SoC #1 uses WIFI for sensing WIFI devices as well as communicating with the cloud. SoC #2 uses BLE for sensing Bluetooth devices and send to SOC #1.

There are two LEDs on the front of the unit

- Single color BLUE LED – on in onboard mode only
- Bi-color GREEN / RED LED - indicates cloud connection over WIFI status
 - Blinking green - attempting to connect
 - Solid green - connected
 - Solid red - error, unable to connect

There is one button on the right side of the unit

- Short press puts sensor into onboard mode
- Long press after power-on causes factory reset

Specification

Entity Name - HomeAware

Model Name – Halo Connect

Model Number – HC0100

Power Source – 100-120VAC 60Hz Max 6W

Connectivity – WIFI 2.4GHz 802.11b/g/n & BLE 5 (SOC #1) + BLE 4.2 (SOC #2)

Operation Temperature – 0 to 50 °C

Wall-mount Installation Height – 15 to 48 inches

Dimensions (approximate) - 62mm W x 62mm H x 26mm D (not including AC blades)



User Manual



Step 1:
Plug in your sensor
and wait for its lights
to appear



Step 2:
Prepare your Wi-Fi
password



Step 3:
Scan to download
HomeAware® app

FCC Caution:

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

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.

IMPORTANT NOTE:

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.

IC Caution::

This device complies with Innovation, Science, and Economic Development Canada licence-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.

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 n' doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC/IC Radiation Exposure Statement:

This equipment complies with FCC/ISED 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.

L'appareil est conforme aux limites d'exposition aux rayonnements spécifiées par la FCC/ISED pour les environnements non contrôlés. La distance entre le radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du fonctionnement de l'appareil.