

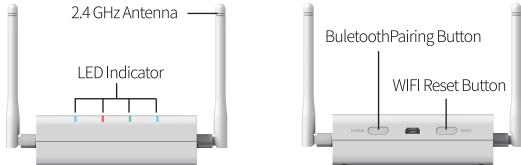
# CMS Gateway User Manual

This device is for scanning bluetooth Low energy Type CMS sensor data and transferring the collected data to MQTT server via WIFI.

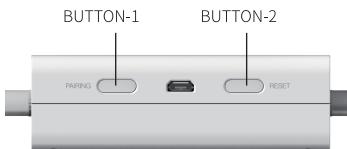
## What's in the box

CMS Gateway: 1 EA / User Manual: 1 EA / 2.4 GHz Antenna : 2 EA Micro USB Cable : 1 EA

## Part name



## Button Functions



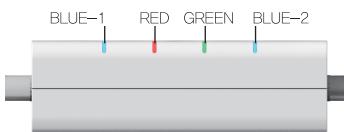
### BUTTON-1

Bluetooth Connection  
(Connecting and Setting WIFI SSID, PW, Server IP)

### BUTTON-2

WIFI Device Reset ( Hardware Reset )

## LED Indicator



### BLUE-1

LED On/Off Repeat / Bluetooth Sensor Scanning

### RED

LED Blinking / WIFI Connection Error or MQTT Connection Error  
LED off : Normal Condition

### GREEN

LED On / MQTT server Connection On  
LED Off / MQTT server Connection Off

### BLUE-2

LED On / WIFI Connection On  
LED Off / WIFI Connection Off

## CMS Gateway Power On/Off

### Power On

Connect the Micro USB cable portto CMS Gateway

Connect the Micro USBCable power port to 5 VDCpower

All 4 LED indicator is turning ON / OFF / Blinking (refer to LED indicator guide for detail)

### Checking Power is turning on

Turn off the CMS Gateway power

## CMS Gateway WIFI Setting

1. Download CMS Gateway app (refer to support part of manual for detail)
2. Install and play the CMS Gateway app
- 3.Click the Bluetooth Pairing button of CMS Gateway
4. Connect the device on CMS Gateway app
5. Setting SSIDand Password
6. Do not change the MQTT server IP address  
(If you use private MQTT server, change and set the MQTT server IP address)
7. Turn off the app after setting
8. After setting, CMS Gateway re-connected automatically  
(When click the WIFI Reset button, It can be re-connected)

## Trouble Shooting

- 1) BLUE – 1 LED is not turning on
  - Check if there are CMS sensors around
  - Check if there are CMS sensor power is on

If it does not work after checking above two conditions, contact the manufacturer

2) BLUE – 2 LED is blinking  
 - Check the power of WIFI router (The WIFI router must support WIFI)  
 - Set CMS Gateway SSID and password to connect to WIFI router (Refer to CMS Gateway WIFI setting for details)

3) GREEN LED off  
 - MQTT server connection error – contact the manufacturer  
 - When use private MQTT server, set MQTT server operation and CMS Gateway MQTT server IP (refer to setting method 2)

4) RED LED On  
 - Click WIFI Reset button (If the same error is repeated even after repeated attempts, contact the manufacturer)

## Cautions

### 1) Warning

If any abnormality is found in the device, immediately stop the operation of the device and ask the manufacturer for inspection.

### 2) General precautions

- Be careful not to let anyone other than the user touch the device.
- Be careful not to damage the device.
- Be careful not to let liquid or foreign substances enter the device.
- If heat is detected in the device, be sure to ask the manufacturer for inspection.

### 3) interaction

This CMS Gateway is used in conjunction with CMS sensor, 2.4 GHz WIFI and MQTT server, so operation may not be smooth depending on the location and power status of CMS sensor and 2.4 GHz WIFI or MQTT server.

### 4) Notes on application

Use for any purpose other than the intended use is prohibited, and inquiries to the manufacturer or place of purchase for any abnormality of the device

### 5) Prevention of safety accidents

- Do not repair or disassemble at will

- This device is made of precision parts, so be careful not to expose to direct sunlight, impact, and dust.

## Conformity certification labeling

This product has been certified according to the regulations of the Korea Communications Commission(KC).

<b>Class B equipment</b> (home broadcasting and communication equipment)	This device is a household (Class B) electromagnetic compatibility device, mainly intended for home use, and can be used in all areas.
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"Since this wireless facility has the possibility of radio interference, it cannot provide services related to human safety."

1) Device(model) - low power wireless devices (Wireless device for wireless data communication system)(XWB100)

2) Registration number : R-C-WCT-XWB100 3) Company : ChoiTechnology Co., Ltd.

4) Manufacturer / Country : ChoiTechnology Co., Ltd. / Korea 5) Date of Manufacture : marked on the package

6) Identification code : WCT

## Product specification

Category	content
Bluetooth	Bluetooth Low Energy 4.2 <ul style="list-style-type: none"> <li>- Receiver Sensitivity : -97 dBm for BLE</li> </ul>
WIFI	2.4 GHz Wifi support <ul style="list-style-type: none"> <li>802.11b/g/n Station</li> <li>WPA2 Personal and Enterprise Security</li> </ul>
Power	Connector Type : Micro USB <ul style="list-style-type: none"> <li>Input Power : 5 VDC</li> <li>Power Consumption : Max. 690 mW</li> </ul>
Operating temperature humidity	Temperature : -20°C ~ +85°C <ul style="list-style-type: none"> <li>Humidity : 5 % ~ 95 %</li> </ul>
Storage temp./humidity	Temperature : -40°C ~ +85°C <ul style="list-style-type: none"> <li>Humidity : 5 % ~ 95 %</li> </ul>
Size	94 x 30 x 30 (mm)
Weight	Around 30 g

## Support

CMS Gateway App

Install the app by searching 'XWB100 Config' in Google Play for Android and App Store for iPhone.

If a problem occurs while using the product, or if you have any issues that need to be improved, please contact us at the contact information below and we will be happy to consult you.

E-mail: choistec@choistec.com

Homepage: www.choistec.com

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 RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

FCC ID: RVBXWB100

Model: XWB100

Responsible Party: ChoisTechnology Co., Ltd.

#S-1404 SongdoTechnopark IT Center, 32, Songdogwahak-ro, Yeon-su-gu, Incheon, Korea (21984)