Manuals+ — User Manuals Simplified.

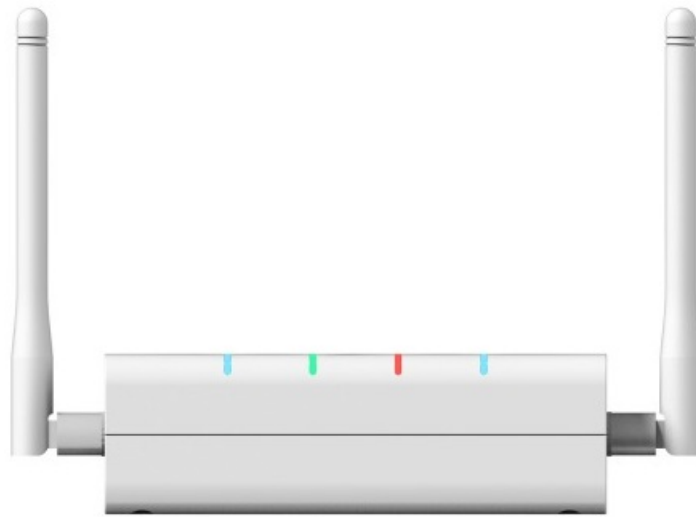# Chois Technology XWB100 CMS Gateway User Manual

Contents

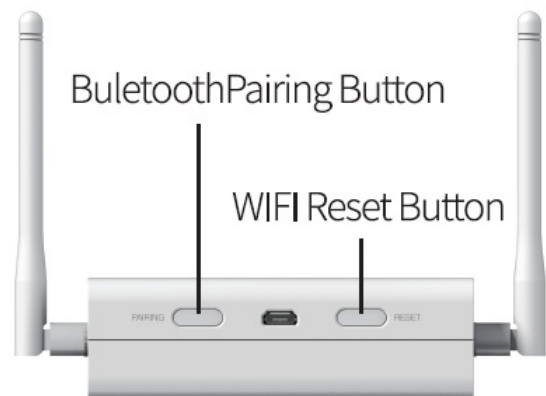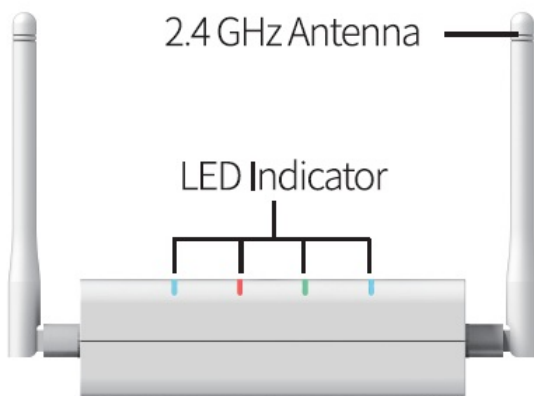**Chois Technology XWB100 CMS Gateway**

This device is for scanning bluetooth Low energy Type CMS sensor data and transferring the collected data to MQTT server via WIFI
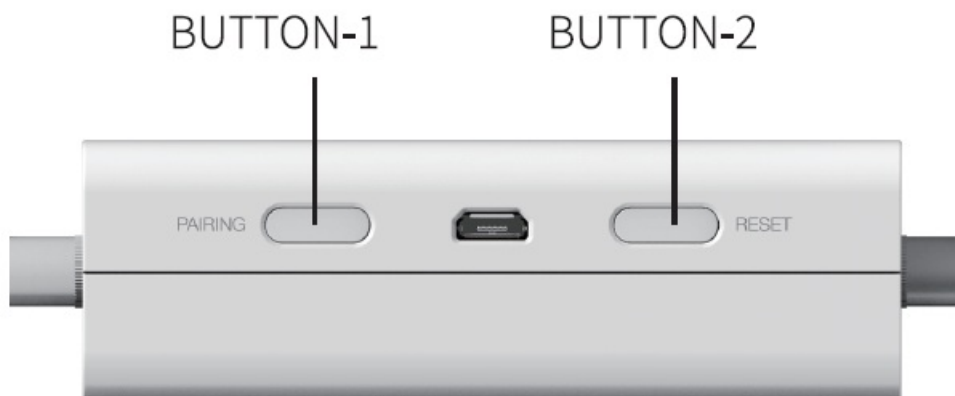
What's in the box

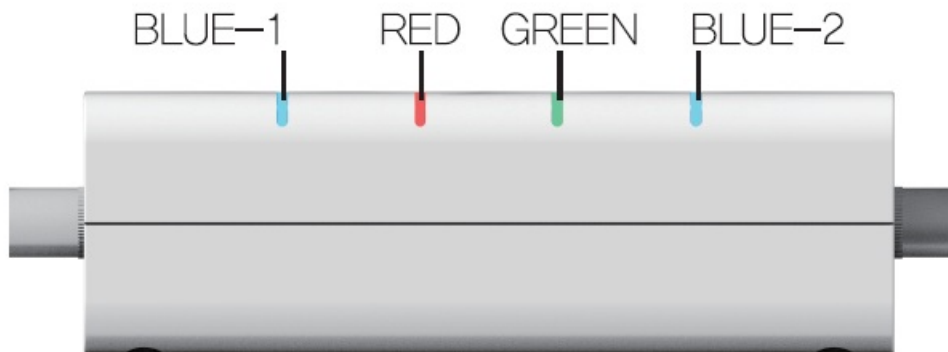CMS Gateway: 1 EA/User Manual: 1 EA/2.4GHzAntenna: 2 EA Micro USBCable: 1 EA

Part name

Button Functions

LED Indicator

- **BUTTON-1**

  Bluetooth Conrection

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

- **BUTTON-2**

  WIFI Device Reset (Hardware Reset)

- **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 Gatewa Connect the Micro USBcable power port to 5 VDCpowerAll 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 automaticall (When click the WIFI Reset button, It can be re-connected)

Trouble Shooting

1. **BLUE -1 LED** is not turning o
   – 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 WI FI router (The WI FI router must support WI FI)
   – Set CMS Gateway SSIDandpassword 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 precise 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).
Class B equipment

(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.

"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) (XWBl00)

2. Registration number: R-C-WCT-XWBlO0

3. Company: ChoisTechnology Co., Ltd.

4. Manufacturer / Country: ChoisTechnology Co., Ltd. / Korea 5) Date of Manufacture : marked on the package 6) identification code: WCT

Product specification

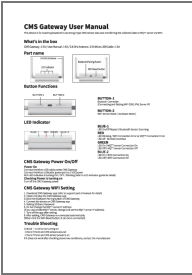| Category	content
Bluetooth	Bluetooth Low Energy 4.2 - Receiver Sensitivity : –97 dBm for BLE
WIFI	2.4 GHz Wifi support 802.11b/g/n Station WPA2 Personal and Enterprise Security
Power	Connector Type : Micro USB Input Power : 5 VDC Power Consumption : Max. 690 mW
Operating temperature humidity	Temperature : –20°C ~ +85°C Humidity : 5 % ~ 95 %
Storage temp./humidity	Temperature : –40°C ~ +85°C Humidity : 5 % ~ 95 %
Size	94 x 30 x 30 (mm)
Weight	Around 30 g

Support

CMS Gateway App
Install the app by searching 'XWBlO0 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**

Documents / Resources

Chois Technology XWB100 CMS Gateway [pdf] User Manual
XWB100, RVBXWB100, XWB100, CMS Gateway