

# ChowHUB

Smart phone controlled device  
for gate automation

## User Manual



Reuse  
Reduce  
Recycle



# Index

|  |   |
|--|---|
| A. Safety Instructions                                       | 1 |
| B. Product Description                                       | 1 |
| B1. ChowHUB Smartphone controlled device for gate automation | 1 |
| B2. Kit Contents   | 1 |
| C. Installation Guide  | 2 |
| C1. General Installation                                     | 2 |
| C2. Wire Connection Step by Step                             | 2 |
| C3. Wire Connection Open/Stop/Close                          | 3 |
| C4. Connecting to Chow!APP                                   | 5 |
| C5. Setting of Chow!APP Step by step                         | 6 |
| C6. Setting of Chow!APP Open/Stop/Close                      | 6 |
| C7. Operation page   | 6 |
| C8. Installation and connection of the door status sensor    | 7 |
| D. Troubleshooting   | 8 |

## A. Safety Instructions

### WARNING :

Please read this manual carefully before installation. TMT Automation Inc. is not responsible for improper installation and failure to comply with local electrical and building regulations. Please keep all the components of the ChowHUB and this manual for further consultation.

- Please connect the ChowHUB to the gate automation when the gate or garage door is close.
- Please connect the ChowHUB to the gate automation when the power is OFF.
- Please check if the gate automation works properly before installing the ChowHUB.
- DO NOT make any modifications to any components except it is mentioned in this manual.
- Children are NOT allowed to use ChowHUB and Chow!APP without supervised by adults.
- ChowHUB and Chow!APP can only be operated when the gate or garage door can be seen.
- Do check and make sure there is no obstacle when operating the gate or garage door.

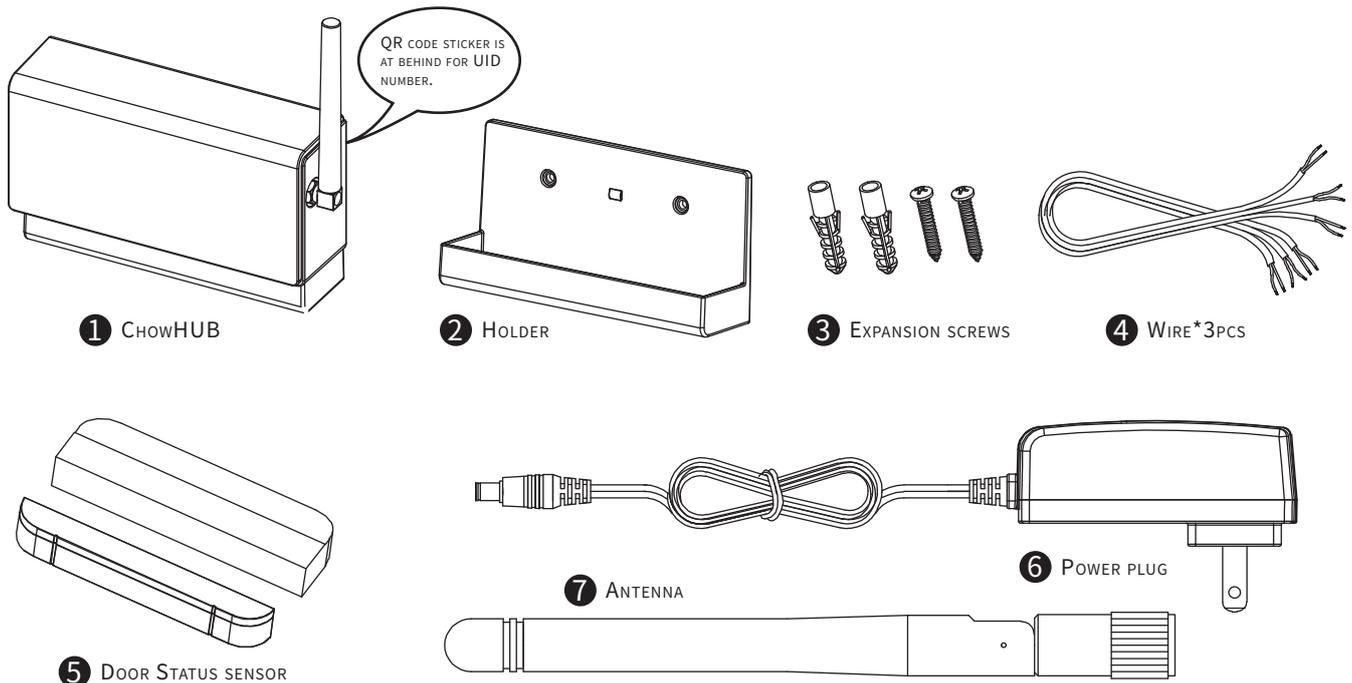
## B. Product Description

### B1. ChowHUB Smartphone controlled device for gate automation

ChowHUB is a device which can connect to an existing garage door, sliding gate and swing gate opener. ChowHUB can be controlled remotely via smartphones. ChowHUB allows multiple users to do operation, e.g. open and close the gate (or door) through Chow!APP. Installing a ChowCAM(Camera) is recommended to have a real-time image on the gate or garage door while operating the ChowHUB with Chow!APP.

### B2. Kit Contents

ChowHUB is a device which can connect to an existing garage door, sliding gate and swing gate opener. ChowHUB can be controlled remotely via smartphones. ChowHUB allows multiple users to do operation, e.g. open and close the gate (or door) through Chow!APP. Installing a ChowCAM(Camera) is recommended to have a real-time image on the gate or garage door while operating the ChowHUB with Chow!APP.

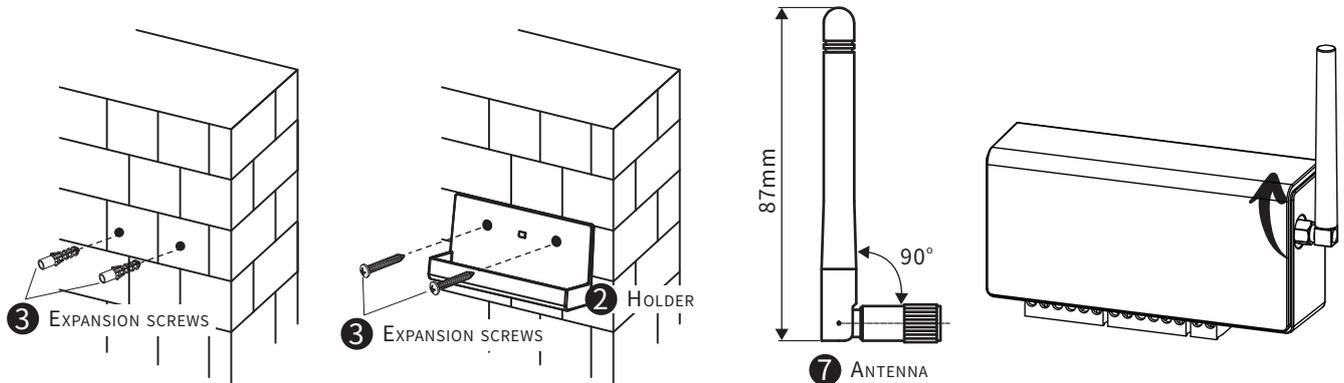


|                     |                    |
|---------------------|--------------------|
| Frequency           | 433Mhz and 2.4GHz  |
| IP rating           | IP44               |
| Working temperature | -20°C ~ 70°C       |
| Dimensions          | 56x110x35mm        |
| Power               | AC/DC, 12V/24V, 1A |

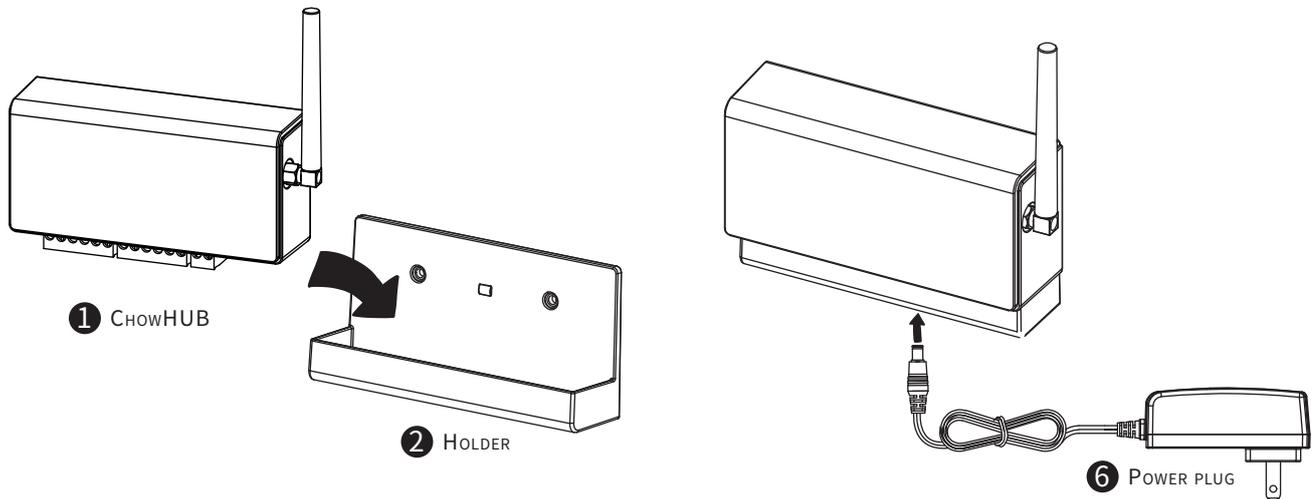
## C. Installation Guide

### C1. General Installation

1. Measure the drilling positions for the (3) expansion screws with the (2) Holder.  
Fasten the (2) Holder with the (3) expansion screws to the wall.
2. Install the (4) Antenna on the (1) ChowHUB

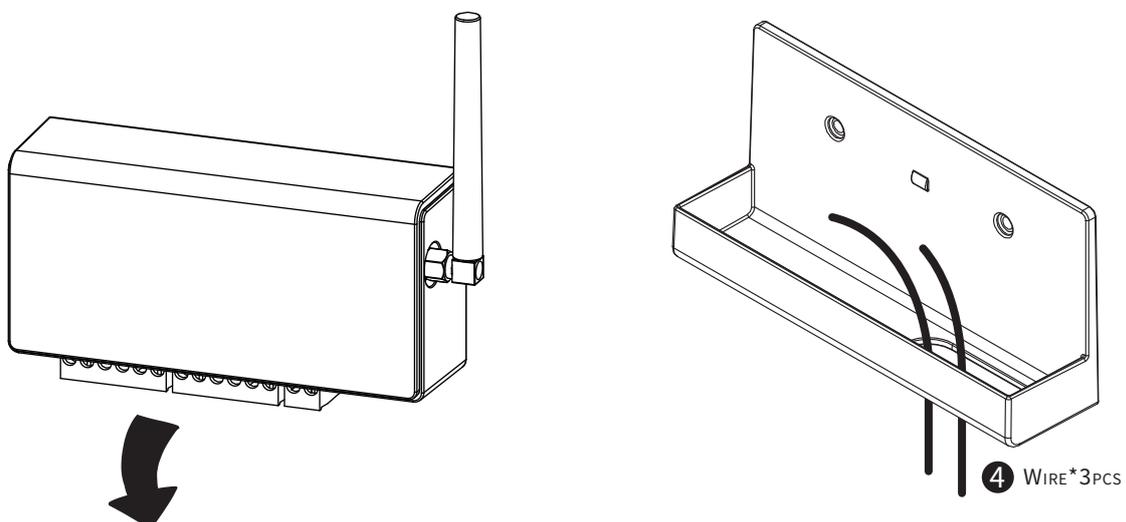


3. The (1) ChowHUB will magnetically be attached to the (2) Holder.
4. Attach the (6) Power plug to the ChowHUB. The Blue LED will blink right after it's plug in, and the ChowHUB will be ready for pairing.

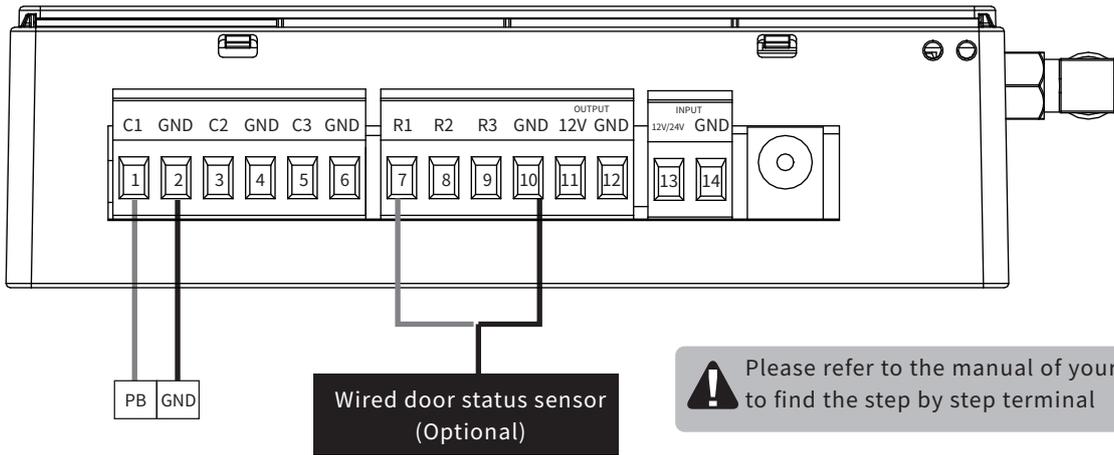


### C2. Wire Connection Step by Step

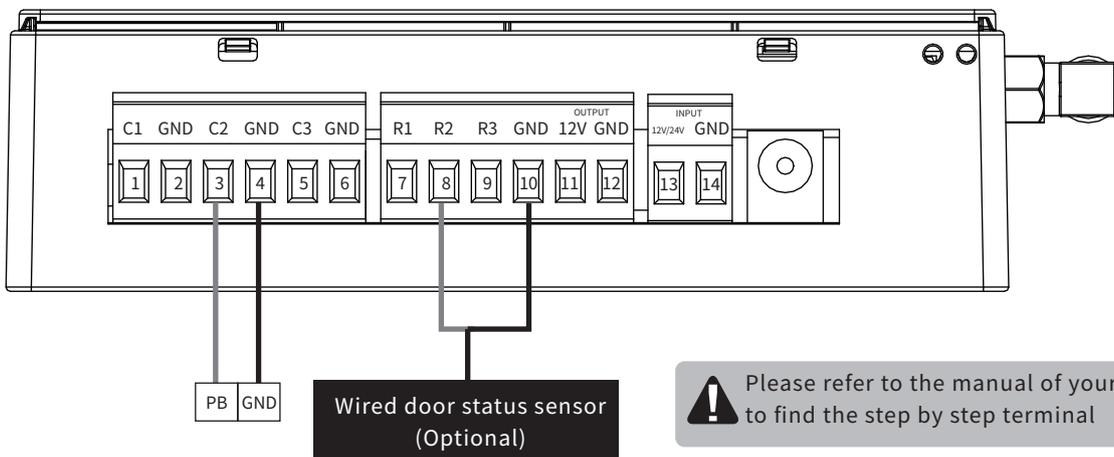
1. The wires should go through the (2) Holder. It is recommended to remove the terminal block for an easy wire connection.



2. Please connect (C1) and (GND) terminals to the step by step terminal of your gate automation. (R1) is the terminal for a wired limit switch that sends signal to your smart phone when triggered.

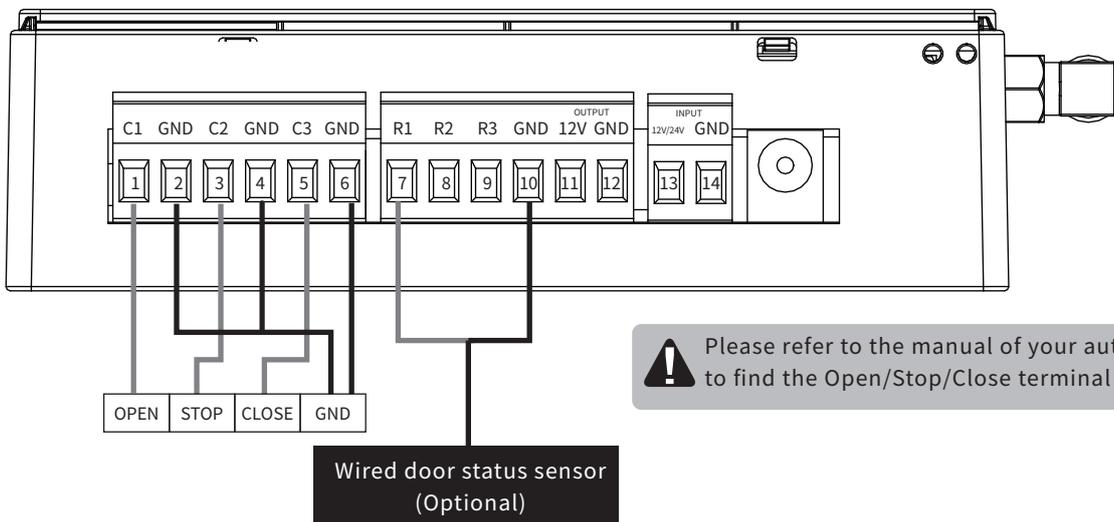


3. To control a second device. Please connect (C2) and (GND) terminals to the step by step terminal of your gate automation. (R2) is the terminal for a wired limit switch that sends signal to your smart phone when triggered.



### C3. Wire Connection Open/Stop/Close

Before connection, please make sure you gate automation system has Open/Stop/Close terminal. (R1) is the terminal for a wired limit switch which sends signal to your smart phone when triggered.



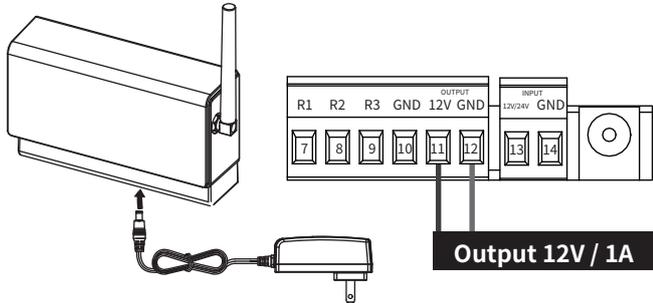


Please pay extra attention to wire connection to (6) Power plug and terminal 11 (12V/24V) / terminal 12\_GND

\*\* Please **DO NOT** connect (6) Power plug and providing power from the motor and the same time

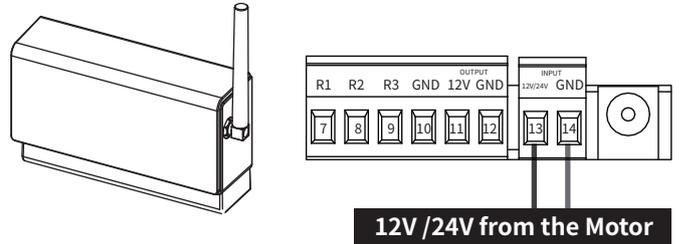
### Scenario 1

Terminal 11 and 12 provide 12V/1A when connect to (6) Power plug

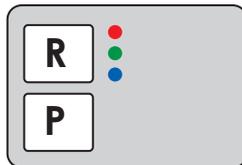
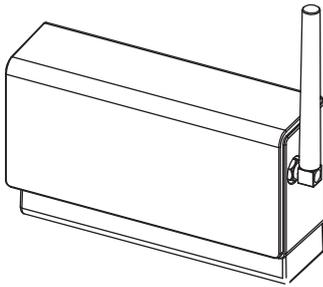


### Scenario 2

Terminal 13 and 14 become 12V/24V input terminals which can take AC or DC power from the motor



**Before connecting to the ChowHUB, please return to the factory setting.**



#### Before starting pairing

1. Press the (P) button for 5 seconds and release it.
2. Plug out and reconnect the wire to restart the Wi-Fi box.

## C4. Connecting to Chow!APP

### Connecting to Chow!APP by the first user

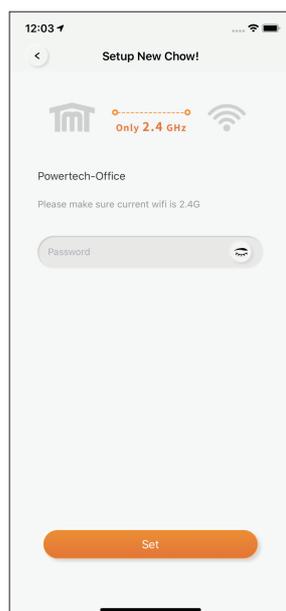
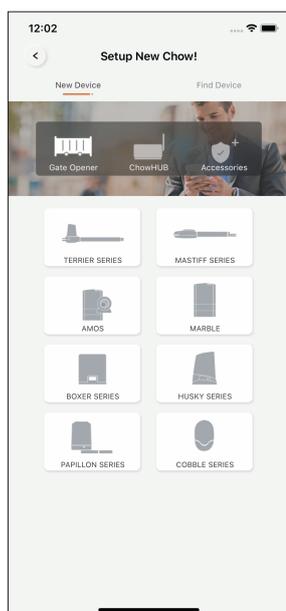


1. Connect the smartphone to a Wi-Fi network.  
\*\*ChowHUB is ONLY compatible with 2.4GHz Wi-Fi network!  
\*\*ChowHUB will be connected to the Wi-Fi network you choose.
2. Log in or sign up for Chow!APP.
3. Tap the (+) icon to add the device.
4. Tap the (ChowHUB) icon.
5. Enter the password for the Wi-Fi. DO make sure entering the correct password.
7. Tap on the ChowHUB icon on the (Find) device page

Set a PIN code for safety use. Once the PIN code is confirmed, the ChowHUB will appear on the main page for further operation.

\*\* The PIN code is required for other users to access to the ChowHUB.

\*\* The PIN code can be reset by pressing (P) and (R) button in the ChowHUB to default to the factory setting.

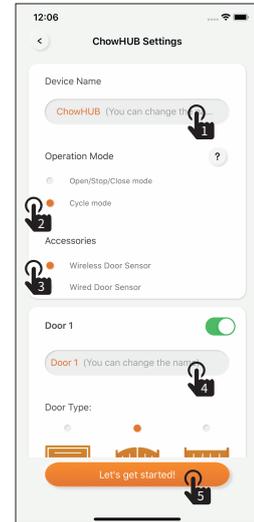


### Adding other users

1. Follow Step 1 to 4 in connecting to Chow by the first user.
2. Tap (Find device) and tap on the ChowHUB icon.
3. Entering the PIN code set by the first user.
4. Confirm the setting, and the ChowHUB will show on the main page of Chow.

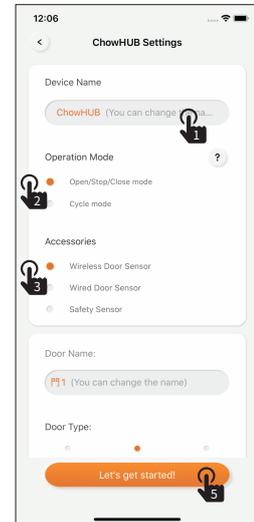
## C5. Setting of Chow!APP Step by step

1. Fill in the name of the device
  2. Select the (Cycle mode)
  3. Select (Wireless Door Sensor).
- \*\* For the connection of wireless limit switch, please refer to  
C8. Installation and connection of the Door sensor
4. Select How many device you are going to control
  5. Click (Let' s get started) to finish setting



## C6. Setting of Chow!APP Open/Stop/Close

1. Fill in the name of the device
  2. Select the (Open/Stop/Close mode)
  3. Select (Wireless Door Sensor).
- \*\*For the connection of wireless Door sensor, please refer to  
C8. Installation and connection Door sensor
4. Select the device you are going to control
  5. Click start to finish setting
  6. Click DC mode

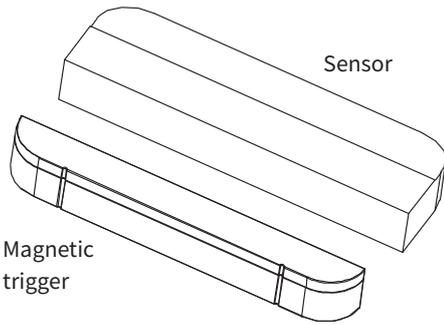


## C7. Operation page

1. Operation button
2. Switching bar for different device
3. Setting page
  - 1) Device Information
  - 2) Edit or Add devices
  - 3) Available Accessories
  - 4) Parameter Settings



## C8. Installation and connection of the Door sensor



### Door sensor

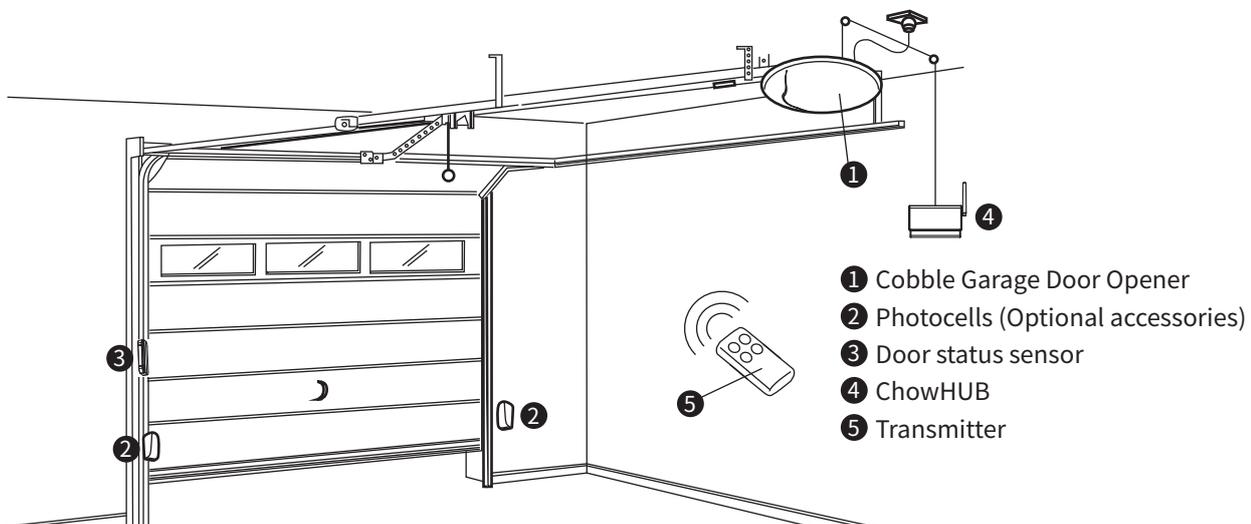
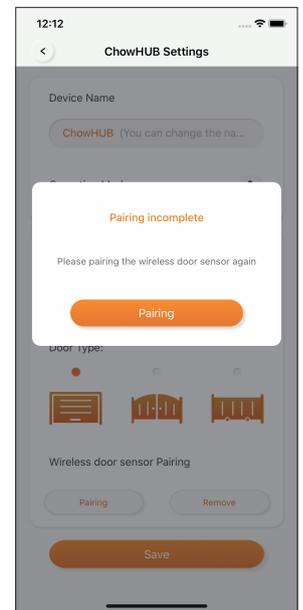
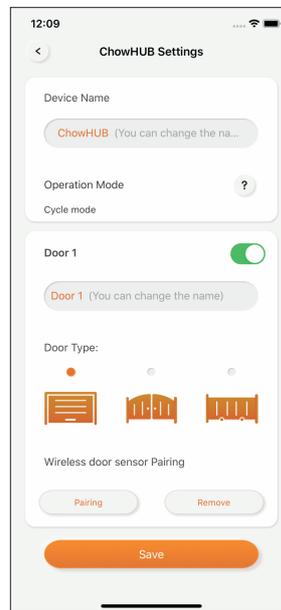
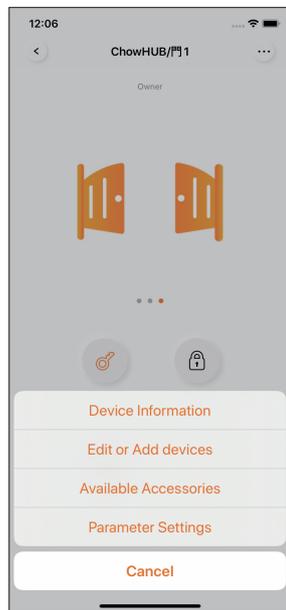
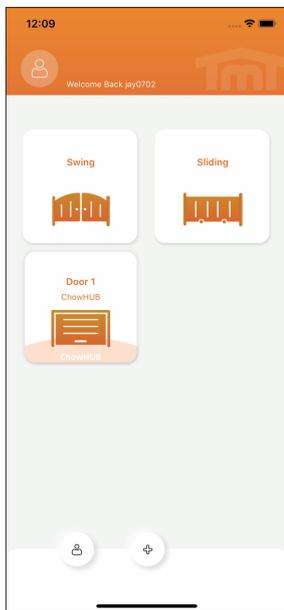
A Door sensor consist of a Magnetic trigger and a sensor. The Door sensor will send a signal when the gate opener reach the close position.

1. Pull out the isolation plate, and the LED will turn ON when the trigger close to the sensor.
2. The LED will go OFF when two parts are separated.
3. The Door sensor will send signal every hour when it is in low battery status

### 5 DOOR STATUS SENSOR

## Connect the Door sensor to Chow! APP

1. Tap the ChowHUB icon on the main page -> Entering the Setting page -> Tap the (Edit or Add devices) -> Tap the (Pairing)
2. Align the trigger and the sensor till the LED on the Door sensor is ON.
3. The App shows (Learn Successfully).
4. The Door sensor is recommended to be installed at the close position of the gate or garage door.



- 1 Cobble Garage Door Opener
- 2 Photocells (Optional accessories)
- 3 Door status sensor
- 4 ChowHUB
- 5 Transmitter



Please set stopper in the open limit position of the rack and after the setup is completed, then garage door opener can start the system learning process.

1. Install the Door sensor at the fix part of the gate or garage door.
2. Install the Door sensor when the gate or garage door is fully closed. Please note that the trigger and a sensor need to be perfectly aligned when the gate or garage door is fully closed.
3. The LED of the receiver will be ON when two parts are aligned. The sensor will send a signal to the ChowHUB.
4. A notification will be sent from the ChowHUB to your smartphone when the gate or garage door is closed.

## D. Troubleshooting

### **Situation 1\_The Blue LED is NOT Blinking when the ChowHUB connects to the Power plug**

Press the (P) button and the Blue LED will blink

### **Situation 2\_Blue and Green LED blinks alternatively when Connecting to Chow by the first user**

Entering a wrong password to your Wifi network

### **Situation 3\_Red LED blinks when Connecting to Chow by the first user**

The ChowHUB cannot identify the IP from the router. Please disconnect other device.

### **Situation 4\_ Red LED blinks when Enter the PIN code**

Entering the wrong PIN code. Please confirm the correct PIN code with the first user.

### **Situation 5\_ Green LED blinks**

The Wi-Fi signal is weak. Please adjust the antenna of the ChowHUB or adding an Wi-Fi amplifier to enhance the Wi-Fi signal.

### **Situation 6\_ Red LED stays ON**

Red LED stays ON indicates a system error. Please press the (R) button

### **Situation 7\_Default to factory setting**

Default to factory setting will be applied when you lose your PIN code for sharing the device. After defaulting, please follow the previous indications to reconnect the ChowHUB to Wi-Fi network.

1. Tap the ChowHUB icon on the main page for 3 seconds and delete the ChowHUB
2. Open the ChowHUB, press the (P) button for 5 seconds and release it. The Green LED will blink once.
3. Press the (R) button. When the Blue LED blinks, it means the ChowHUB is successfully defaulted.

### **Situation 8\_Change the PIN code**

Enter the operation page of the device in Chow -> Tap the (Device information) in the setting page -> Tap (Pin code Setting) to set a new PIN code

### **Situation 9\_Change to another Wi-Fi network**

Enter the operation page of the device in Chow -> Tap the (Device information) in the setting page -> Tap the Wi-Fi icon to change to another Wi-Fi network



