

ChowHUB

Smart phone controlled device
for gate automation

User Manual



Reuse
Reduce
Recycle



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A. Safety Instructions

WARNING :

Please read this manual carefully before installation. 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.

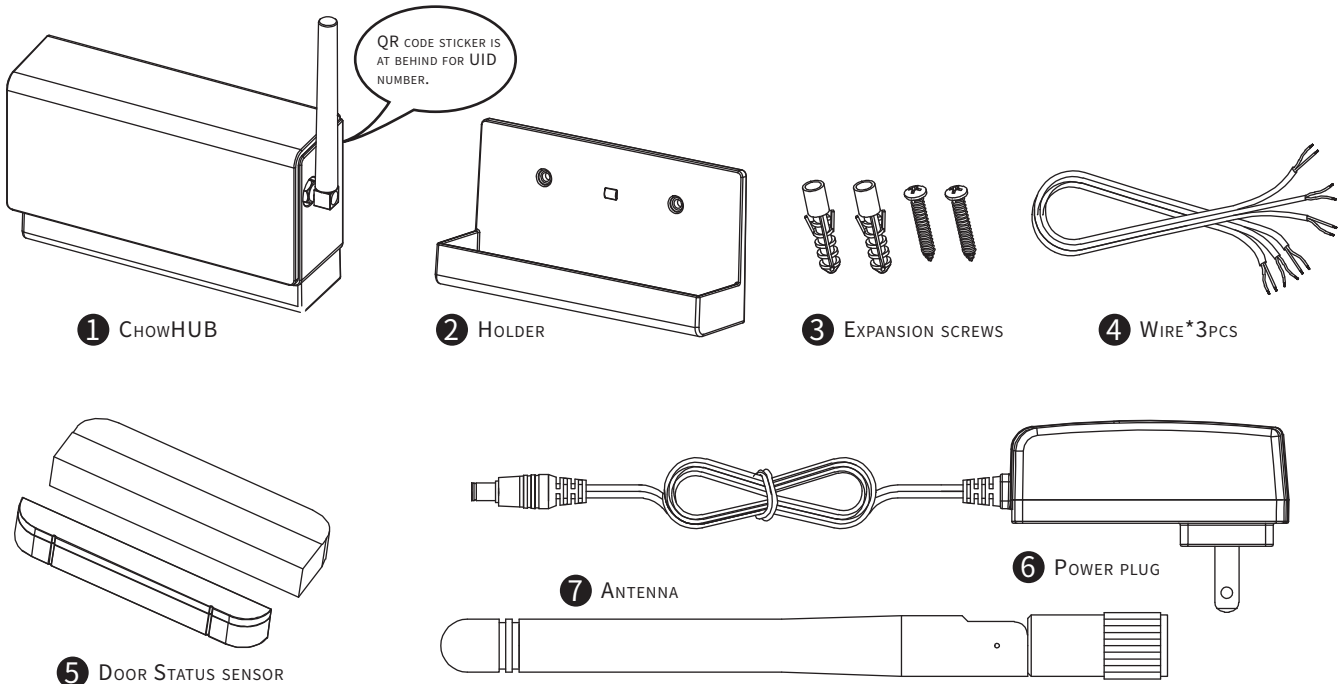
B. Product Description

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.

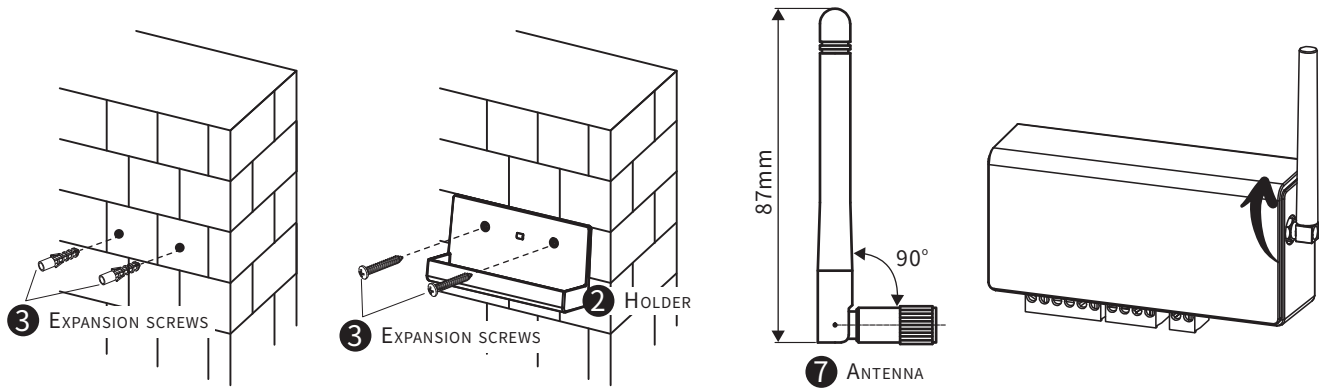


Frequency	433Mhz and 2.4GHz
IP rating	IP44
Working temperature	-20°C ~ 70°C
Dimensions	56x110x35mm
Power	DC 12V/1A

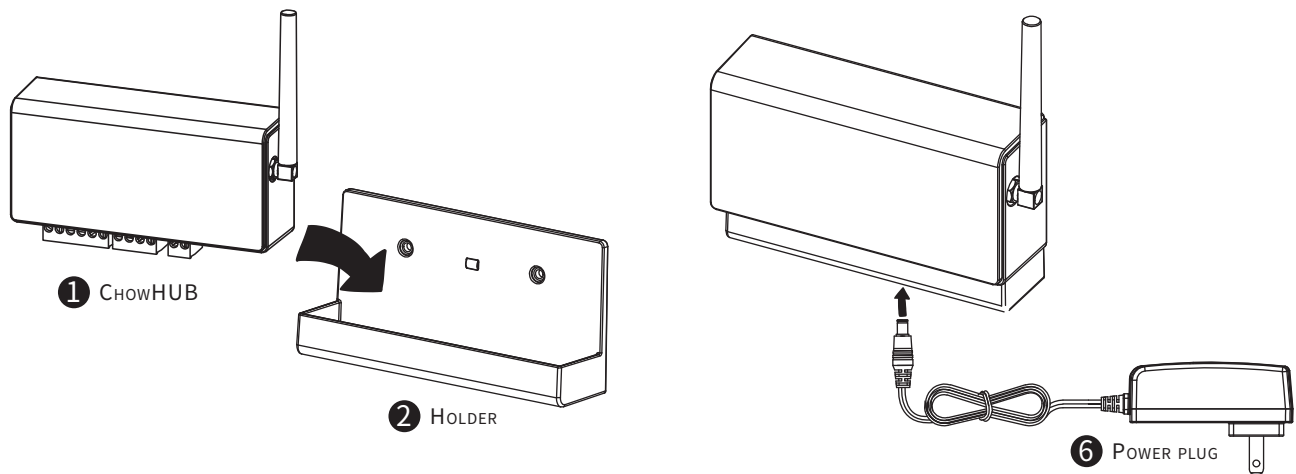
C. Installation Guide

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

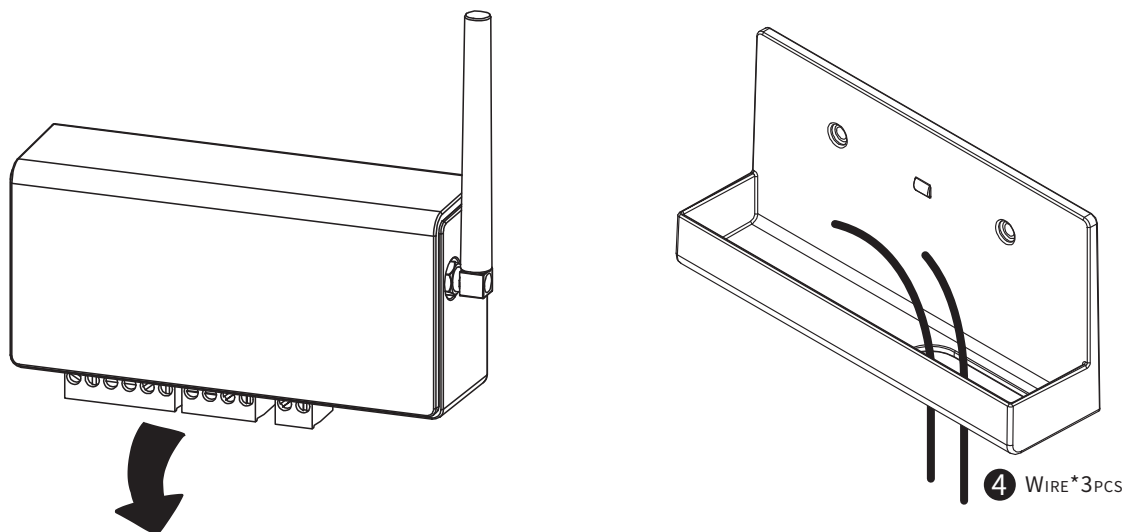


3. The (1) ChowHUB will magnetically be attached to the (2) Holder.
4. Attach the (6) Power plug to the ChowHUB. The Blue LED will blink right after it's plug in, and the ChowHUB will be ready for pairing.

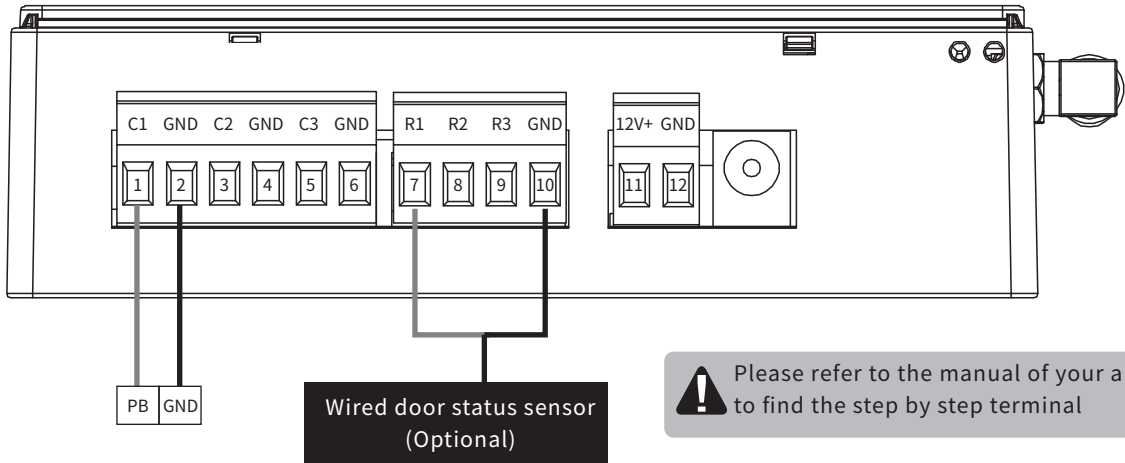


C2. Wire Connection Step by Step

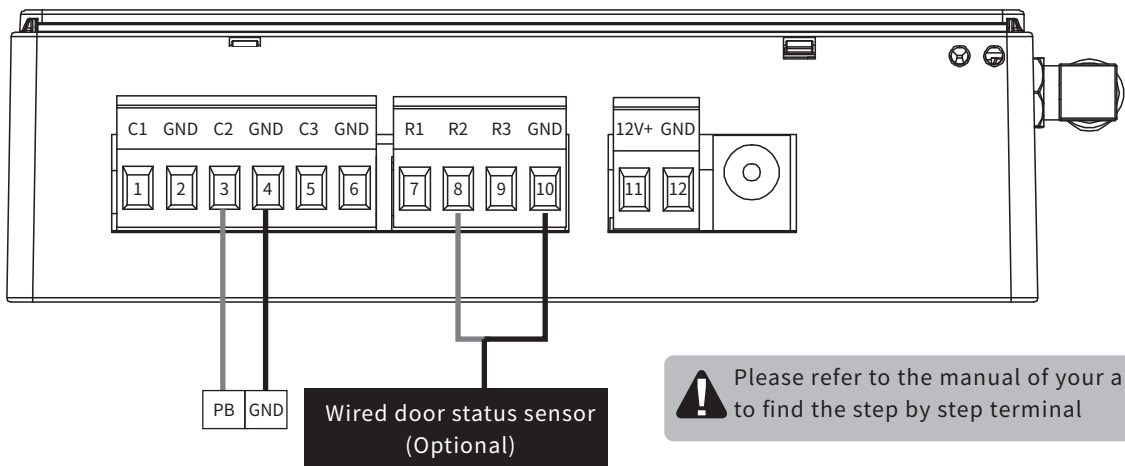
1. The wires should go through the (2) Holder. It is recommended to remove the terminal block for an easy wire connection.



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.

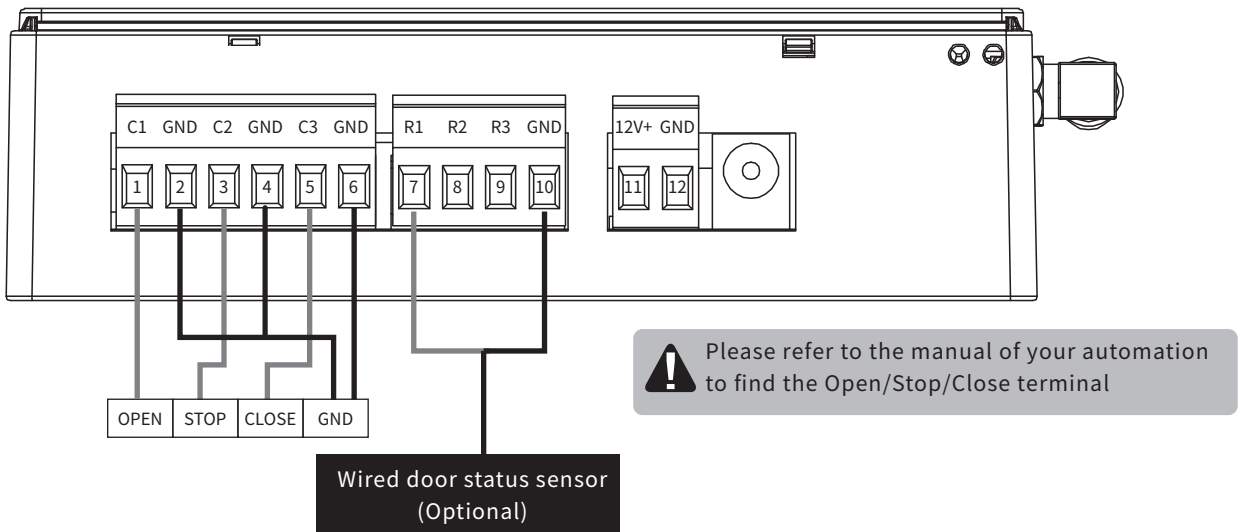


3. To control a second device. Please connect (C2) and (GND) terminals to the step by step terminal of your gate automation. (R2) is the terminal for a wired limit switch that sends signal to your smart phone when triggered.



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.

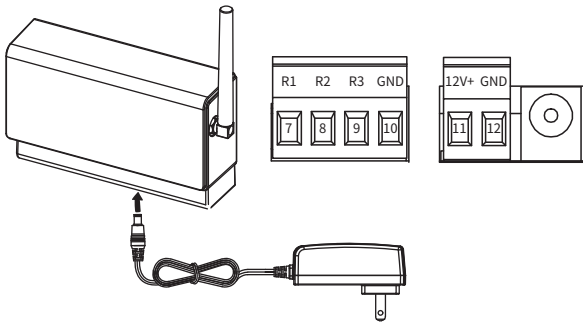




Please pay extra attention to wire connection to (6) Power plug and terminal 11_12V / terminal 12_GND
 ** Please DO NOT connect (6) Power plug and 12V power from the motor at the same time

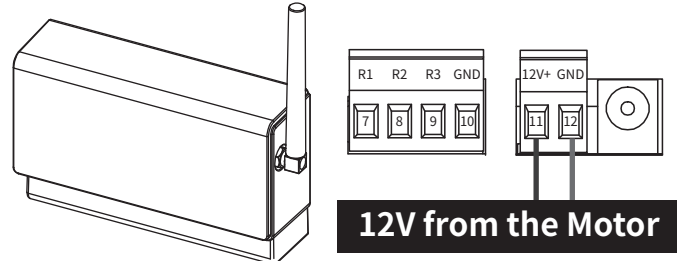
Scenario 1

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



Scenario 2

Terminal 11 and 12 become 12V input terminals which can take 12V power



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

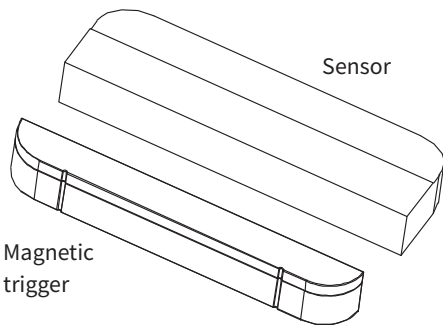


C7. Operation page

1. Operation button
2. Switching bar for different device
3. Connect to the ChowCAM. The ChowCAM should be connected to Chow!APP
4. Setting page
 - 1) Device Information
 - 2) Edit or Add devices
 - 3) Parameter Settings



C8. Installation and connection of the Door sensor



Door sensor

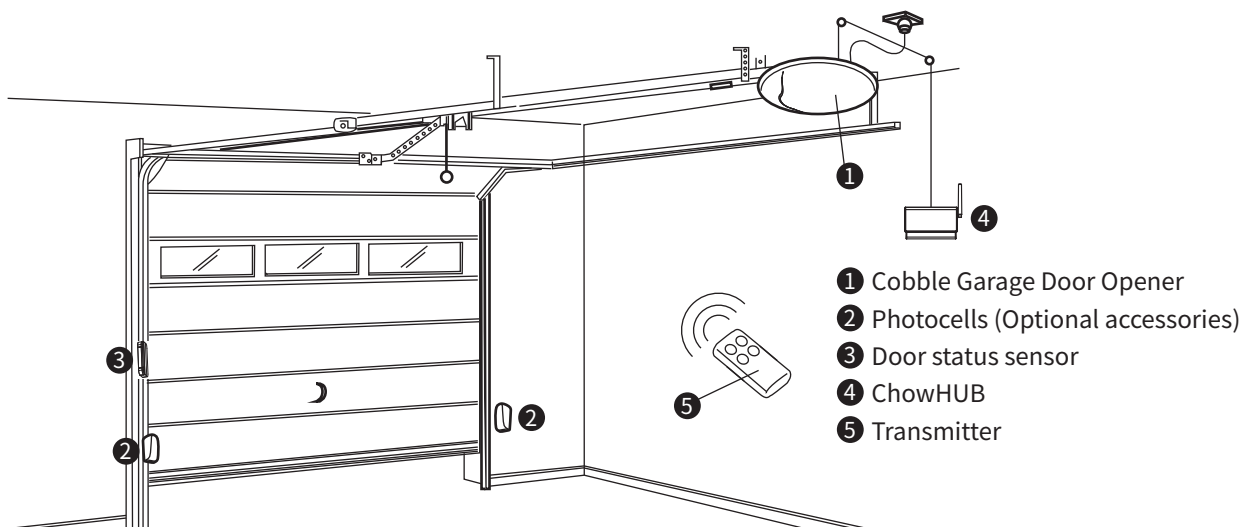
A Door sensor consist of a Magnetic trigger and a sensor. The Door sensor will send a signal when the gate opener reach the close position.

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.



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. LED indications and buttons

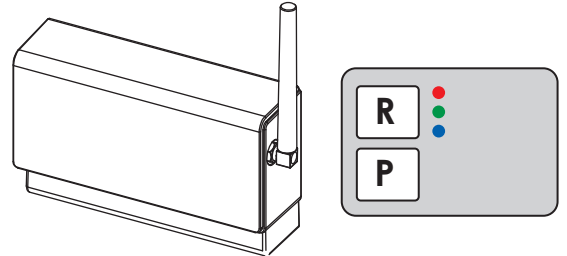
R button: A “Reset” button for the Wi-Fi board.
Press the R button when the ChowHUB is disconnected

P button: A “Pairing” button for the Wi-Fi board
Press P button to enter the pairing mode, and the Blue LED will start to blink.

Blue LED: The blue LED is an indicator for Wi-Fi connection. The blue LED blinks means the ChowHUB is waiting for pairing procedure. The blue LED is ON when ChowHUB is connected to Wi-Fi network.

Green LED: The green LED is an indicator for Wi-Fi signal. The green LED blinks indicates weak Wi-Fi signal.

Red LED: The red LED blinks means a system error.



E. 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

