

# SS2508-W

## Garage Roller Shutter & Pedestrian Door Controller



For your safety, please read all instructions carefully.  
Keep this manual for future reference.

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## 1. Product Overview

SS2508-W is an IoT-protocol-based garage roller shutter controller that supports both traditional motorized roller shutters and modern high-speed doors. It features independent relays to control opening, closing, stopping, and pedestrian pass-door functions, while also supporting an external exit button.

### Safety Warnings:

1. Always disconnect the main power supply before performing any wiring.
2. Traditional roller shutters involve high-voltage risks. Installation by a professional electrician is strongly recommended.

## 2. Specifications

|                       |                                |
|-----------------------|--------------------------------|
|                       | SS2508-W                       |
| Dimensions            | 49 (H) x 102 (W) x 23(D) mm    |
| Power supply          | 12V DC                         |
| Design and material   | ABS                            |
| Humidity              | Less than 80% RH               |
| Operating Temperature | -20°C to 50°C                  |
| Operating Current     | Maximum 100 mA, Typically 40mA |

## 3. Terminal Block Definitions and LED Indicators

| LED C ● (Type)                                                                                         | LED B ▲ (Action)                                                                                      | LED A ■ (Status)                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Red : RS485</li> <li>Green : MQTT</li> <li>Blue : BT</li> </ul> | <ul style="list-style-type: none"> <li>Red : Up</li> <li>Green : Down</li> <li>Blue : Stop</li> </ul> | <ul style="list-style-type: none"> <li>Red : Power</li> <li>Green : Pedestrian Door</li> <li>Blue : WiFi(Connecting / Connection Failed: Flashing)</li> </ul> |

左側



右側

Exit Button

## 1. Right Side Control and Power Terminals

| Name        | Features           | Notes                                      |
|-------------|--------------------|--------------------------------------------|
| COM         | Lock COM           | Relay Output                               |
| NO          | Lock NO            |                                            |
| IN1         | Input 1            | can be connected to a door magnetic sensor |
| Exit Button | Exit Button        | Exit Button                                |
| RS485-A     | RS485-A            | Camera Connection: RS485 Interface         |
| RS485-B     | RS485-B            |                                            |
| +12V        | Power Positive (+) | DC 12V Power Supply                        |
| GND         | Power Negative (-) | Ground (GND)                               |

## 2. Left Garage Roller Shutter Output Terminals

| Name      | Features        | Standard Roller Shutter Wiring           | High-Speed Shutter Wiring                |
|-----------|-----------------|------------------------------------------|------------------------------------------|
| Up        | Up / Open       | Connect to manual switch "Up" terminal   | Connect to manual switch "Up" terminal   |
| Down      | Down / Close    | Connect to manual switch "Down" terminal | Connect to manual switch "Down" terminal |
| COM(Stop) | Motor Stop Line | Connect to motor stop wire               | Not Connected                            |
| Common    | Switch Common   | Connect to manual switch stop wire       | Connect to manual switch common terminal |
| Stop      | Stop            | Not Connected                            | Connect to manual switch "Stop" terminal |

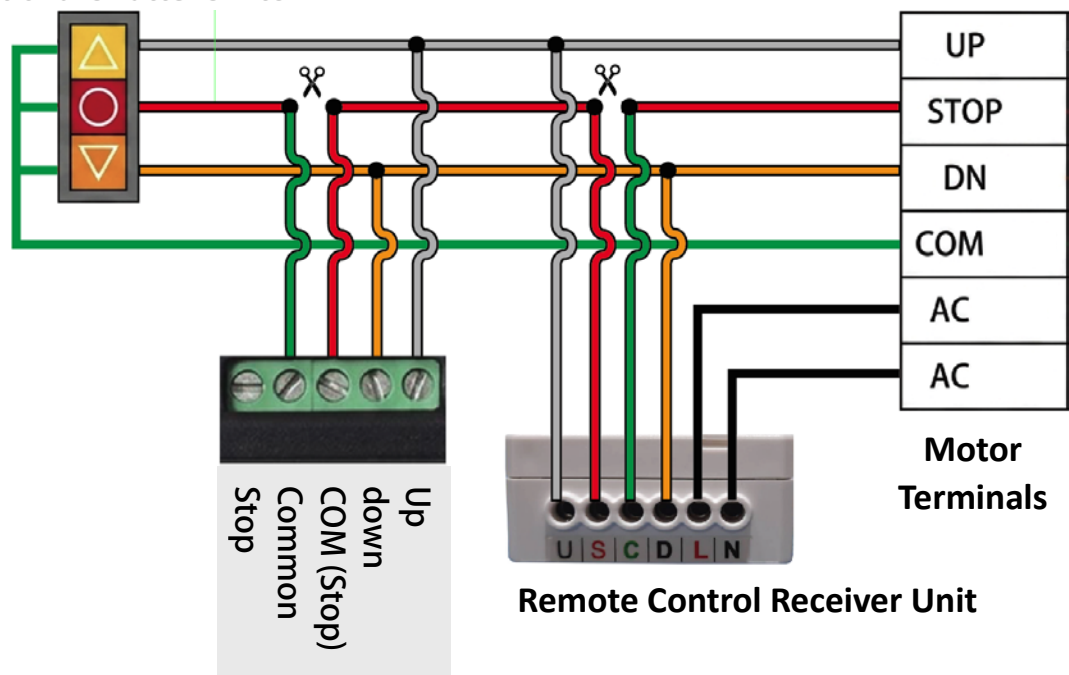
## 4. Installation Mode Description

### 1. Conventional Garage Roller Shutter (Powered / Live Type)

**Wiring Key Point:** The stop wire between the motor side and the manual switch side must be cut.

**Wiring Method:** Connect the controller's Up and Down lines in parallel with the original switch. Cut the stop wire as shown in the diagram, then connect the motor-side stop wire to "COM (Stop)" and the switch-side stop wire to "Common".

Conventional Shutter Switch



SS2508-W

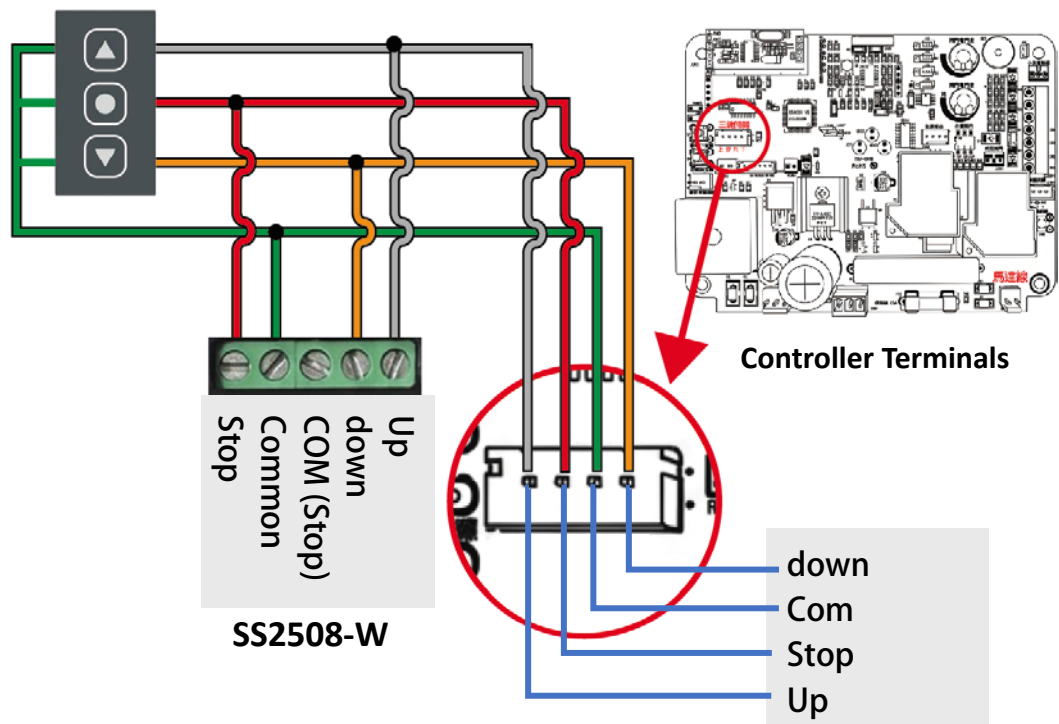
High Voltage Hazard: Conventional roller shutters carry high voltage risks. Installation should be performed by a qualified electrician.

## 2. High-Speed Garage Roller Shutter (Dry Contact Type)

**Wiring Key Point:** Typically signal-controlled with no high voltage involved.

**Wiring Method:** Simply connect the controller outputs in parallel with the control terminals of the main shutter unit.

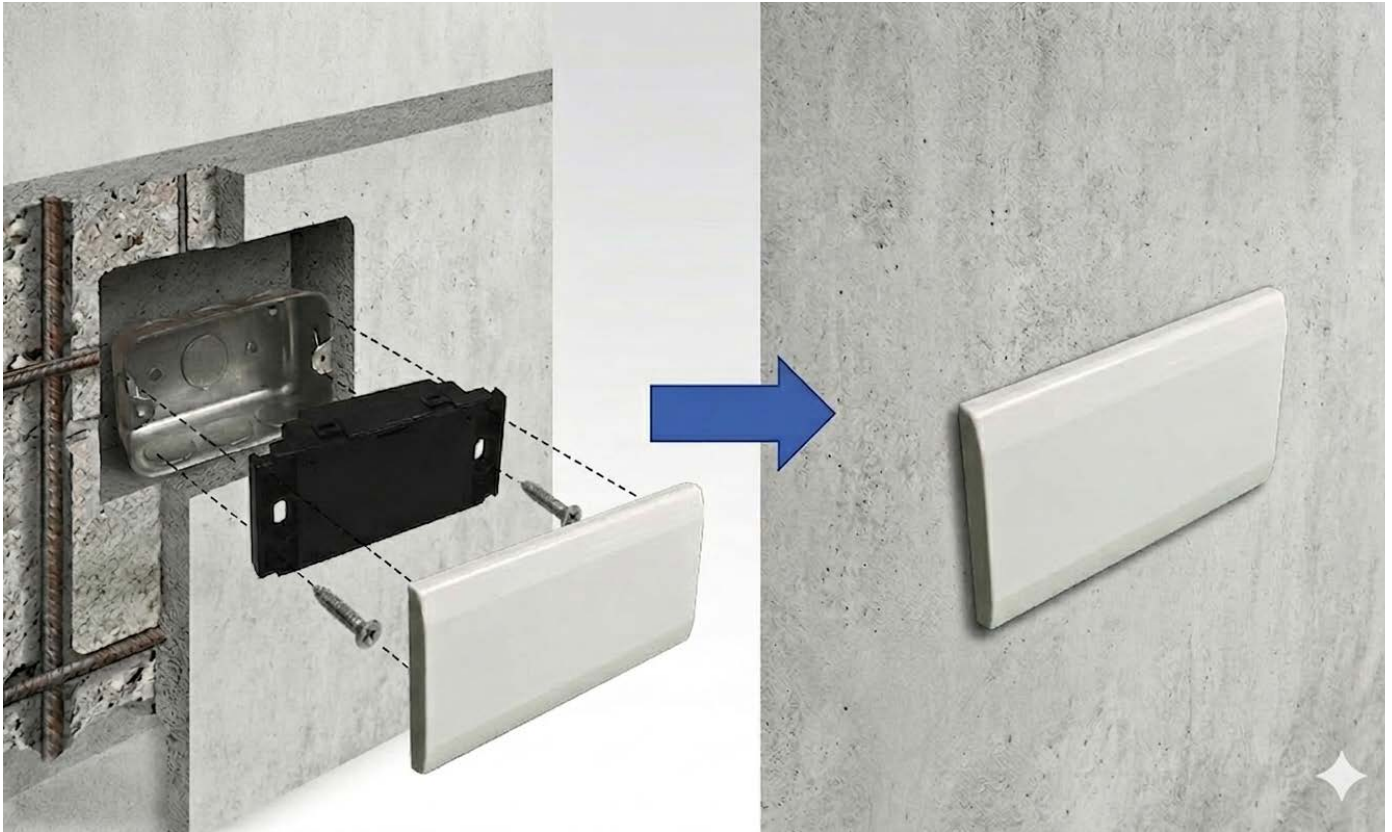
### High-Speed Shutter Switch



## 5. Installation Guidelines

In addition to direct surface mounting on walls, the controller can also be reverse-mounted into a pre-embedded junction box (flush box) to conceal the wiring inside. Combining it with a Panasonic WTDF6891W cover plate achieves a cleaner and more seamless appearance.

### Installation Diagram



## 6. Wi-Fi Setup Guide

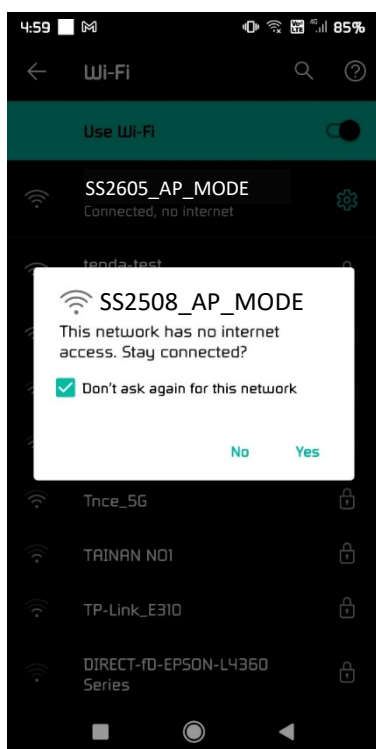
Follow the steps below to complete the Wi-Fi connection setup.

### 1. Automatic Pairing Mode

Upon powering on, the Garage Roller Shutter will automatically enter pairing mode for 5 minutes.

### 2. Connect your phone to the Garage Roller Shutter 's Wi-Fi

Search for the Wi-Fi ID **SS2508\_AP\_MODE** in your phone's Wi-Fi settings, and enter the password **89792119** to connect.

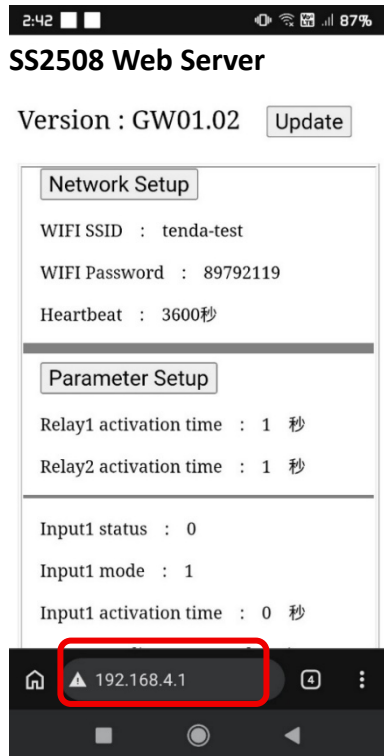


**NOTE:** The Wi-Fi ID format is [Device Model]\_AP\_MODE.

Your phone may display a notification stating that this Wi-Fi network has no internet connection; please select Keep Connection (or Connect Anyway).

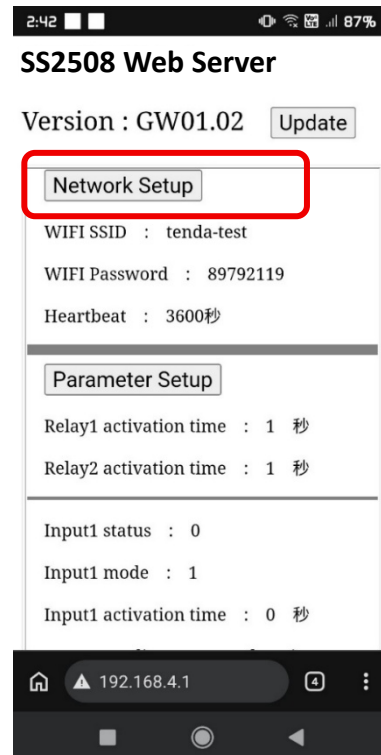
### 3. Open the Garage Roller Shutter Settings Page

Open a web browser and enter 192.168.4.1 in the address bar to access the device settings page.



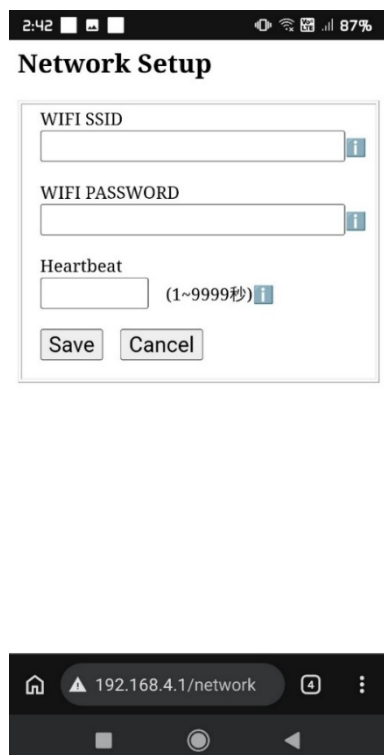
### 4. Enter Wi-Fi Settings

Locate **Network Setup** and click (or tap) to enter the Wi-Fi settings page.



### 5. Enter Wi-Fi Information and Save

Enter your **Wi-Fi SSID** and **Wi-Fi PASSWORD**, set the **Heartbeat** value (default is 3600), and tap **Save** when finished.



### 6. Automatic Device Connection

After completing the setup, the smart lock auto-connects to the configured Wi-Fi network. Refresh the webpage to confirm its connection status.



## 7. Web Cloud Control Guide

### 1. Please open a web browser first.

Please open a web browser (**Chrome or Safari**) and go to [iot.gainwise.com.tw](http://iot.gainwise.com.tw), or scan the QR code with your phone to access the website.



### 2. Please Select a Language



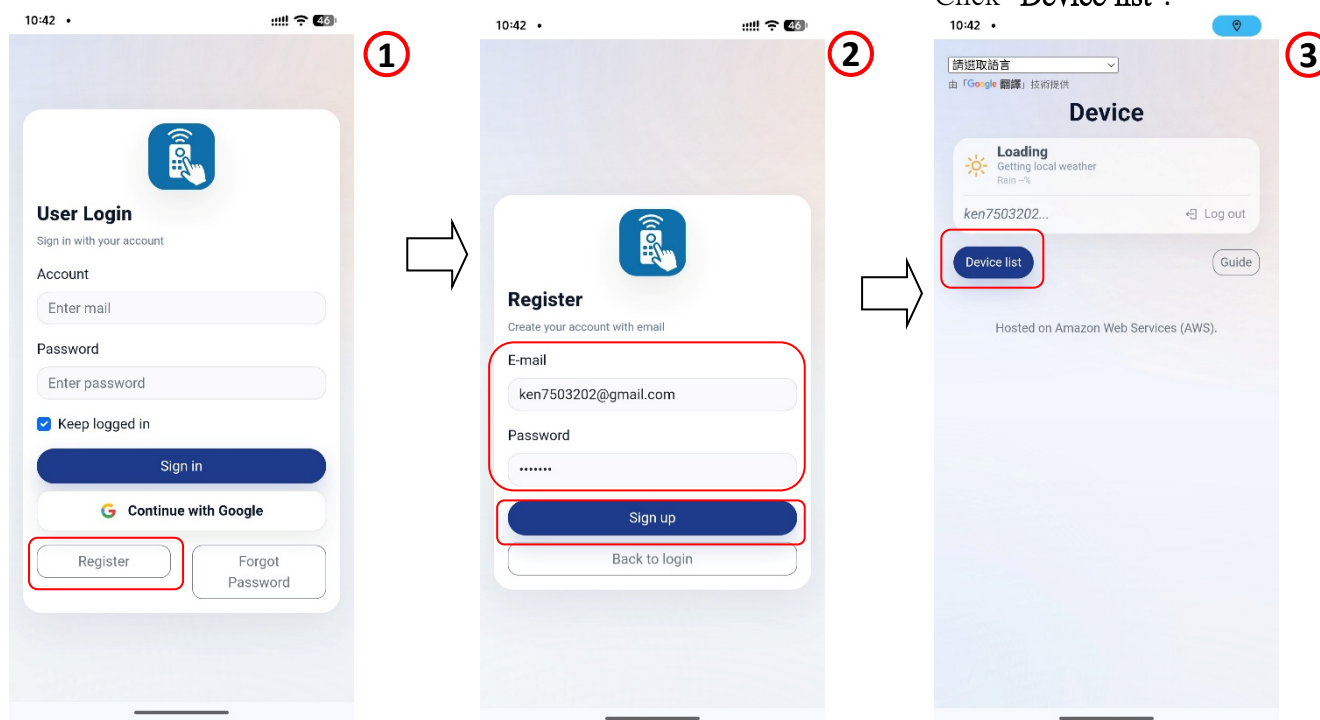
### 3. Register an Account

Click "Register"

Enter your Email and Password, then click "Register" to create your account.

Upon completing registration, you will be automatically logged in.

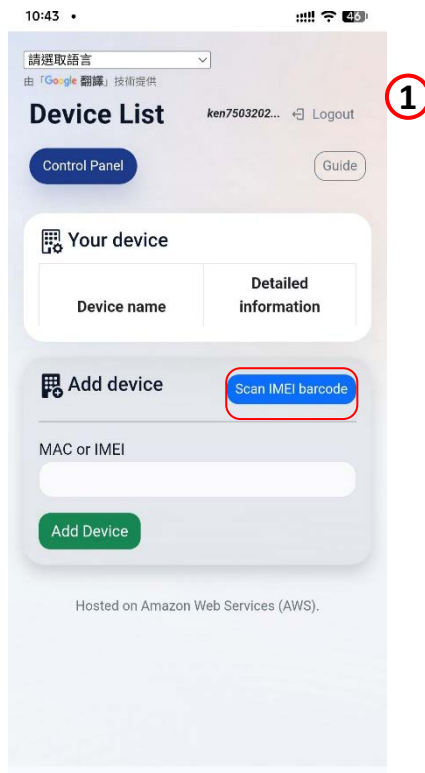
Click "Device list".



#### 4. Add Garage Door Controller

click "Scan IMEI Barcode"

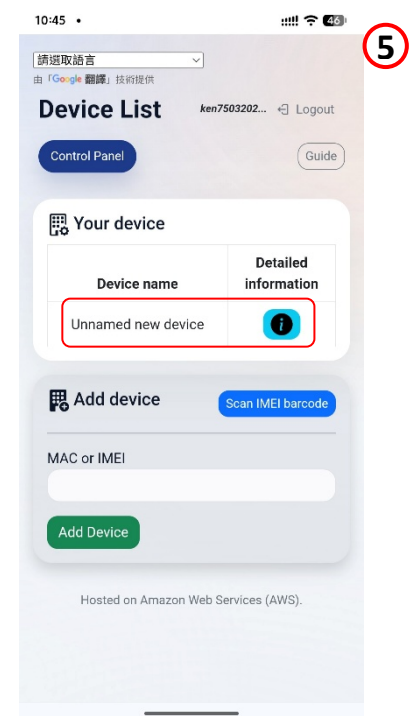
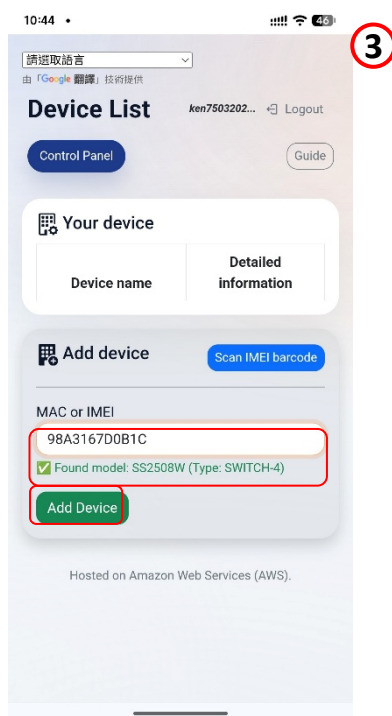
Scan the device IMEI barcode.



Click "Add Device"

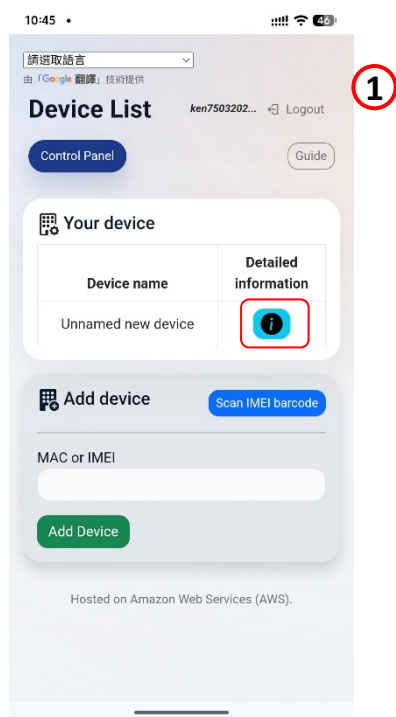
When the "Added Successfully" message appears, click "OK".

Device Added Successfully.

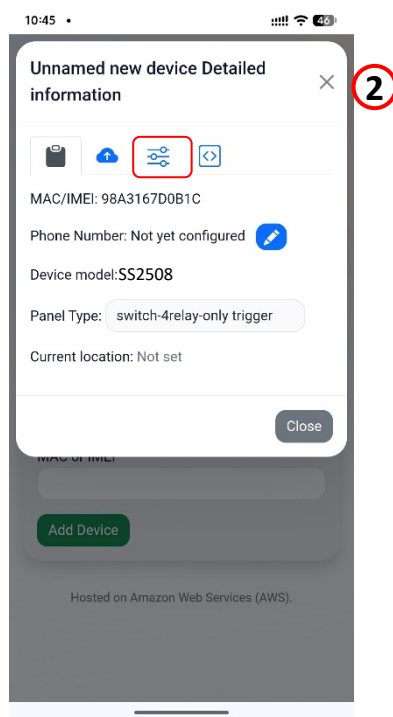


## 5. Set Garage Door Location

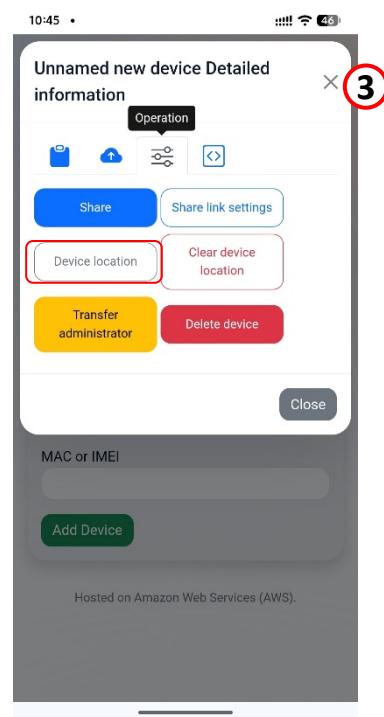
Click "Detailed information".



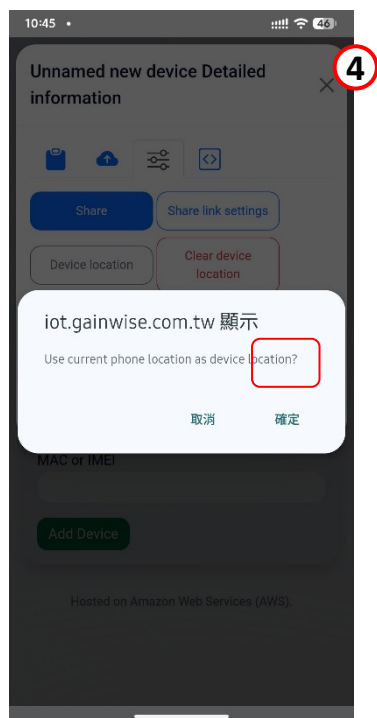
Click "Operation".



Click "Device location".



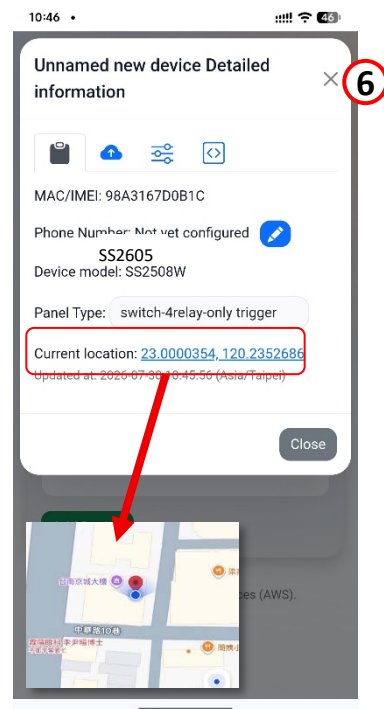
Click "OK".



Device Location Saved



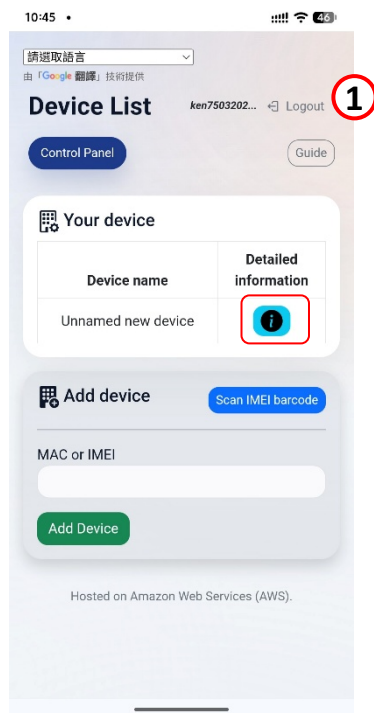
Go back to "Details" and check current coordinates.



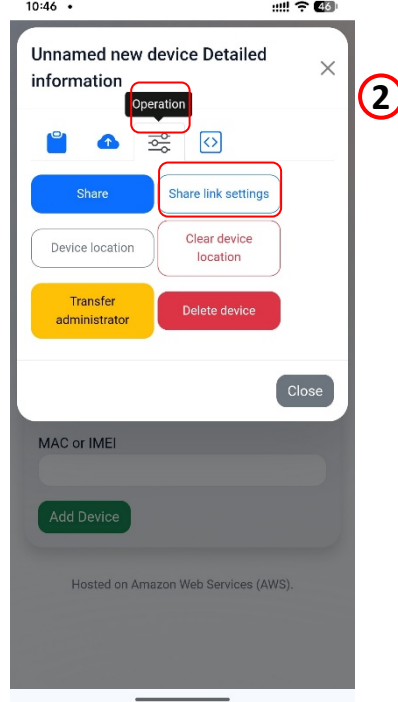
**NOTE:** This feature saves GPS coordinates to prevent remote unauthorized use of the QR Code. The virtual keypad will only function when used within this designated area.

## 6. Device Control Sharing

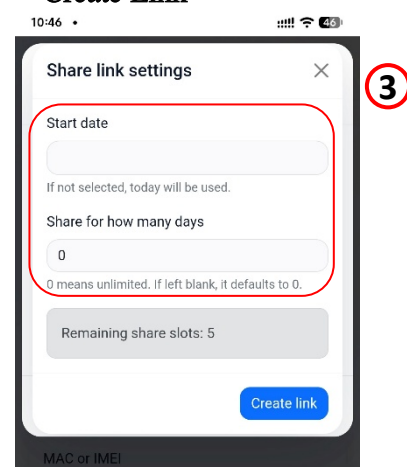
Click "Detailed information".



Click "Operation" and then "Share Link Settings".



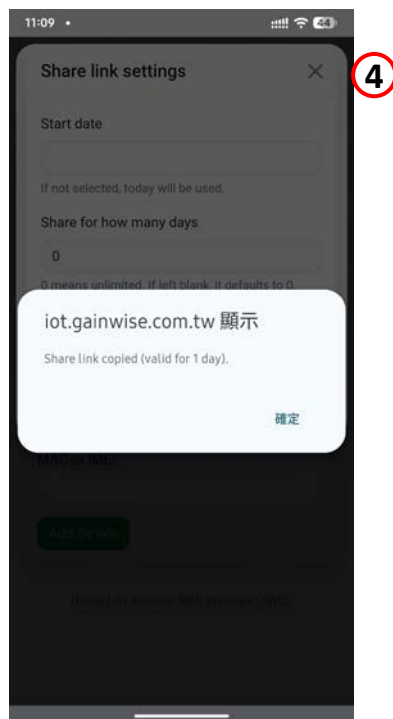
Select the start date and the number of days to share, then click "Create Link".



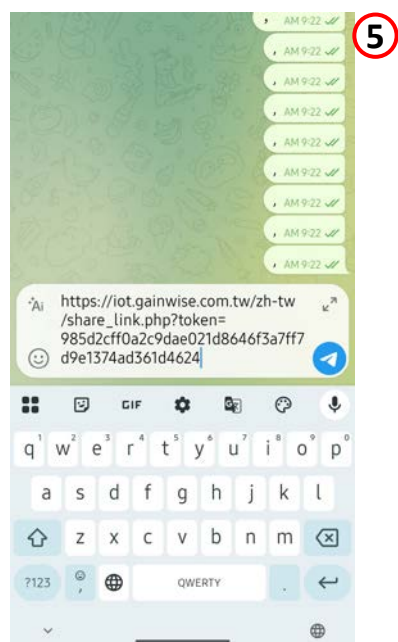
### NOTE:

1. If no date is selected, it defaults to the current day.
2. Entering "0" for the number of days indicates no expiration limit.
3. The gray box indicates how many additional users can be shared with.

The link is valid for 1 day.



Paste the link into the chat box you want to send to the recipient.



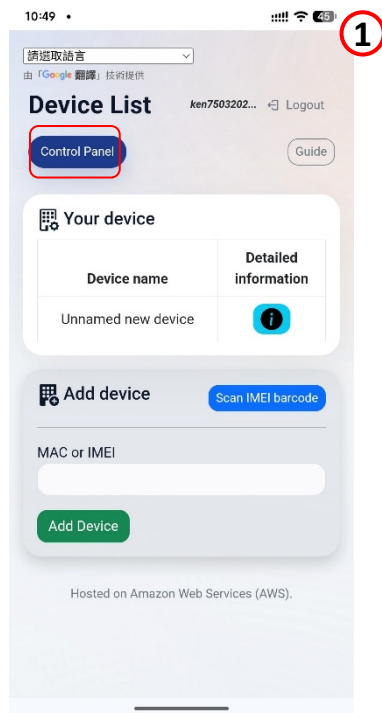
### NOTE:

Clicking the share link redirects you to the login page.

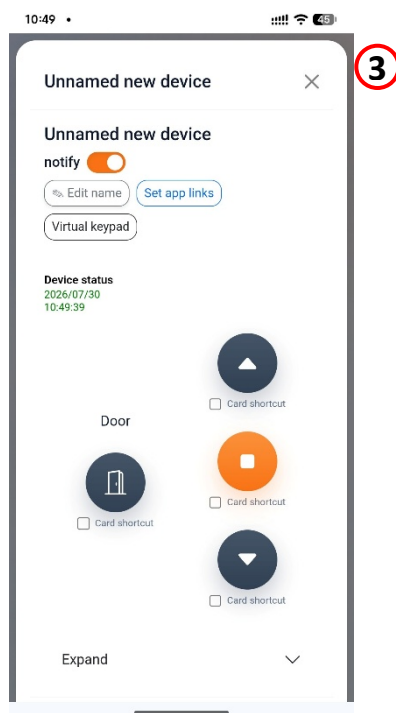
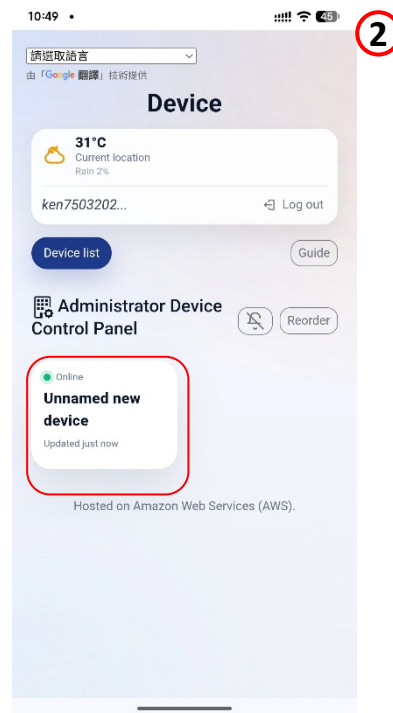
1. Existing Users: Log in to instantly get shared control access.
2. New Users: Register an account to complete control sharing.

## 7. Web Dashboard Operations and Instructions

Click "Control Panel"



Click the "Device Card" you want to operate.



Roller Shutter Control Panel Overview:

1. Left Side: Pedestrian Door Control
2. Right Side: Roller Shutter Control (Up / Stop / Down)

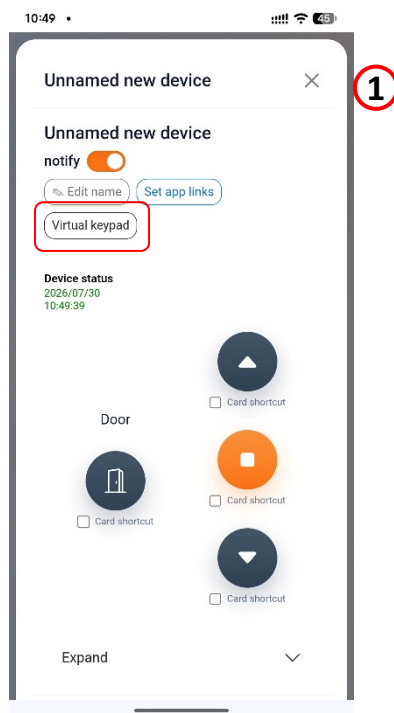
### NOTE:

You can also check "Card Shortcut" to add buttons directly to the home screen operation panel.

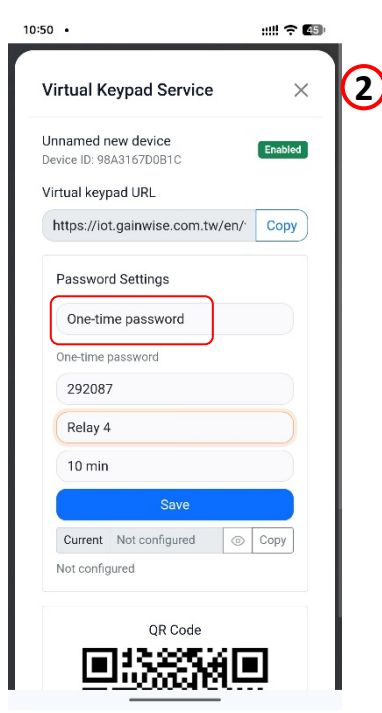
## 8. Pedestrian Door Virtual Keypad Settings (Optional Add-on)

### Set One-Time Password (OTP)

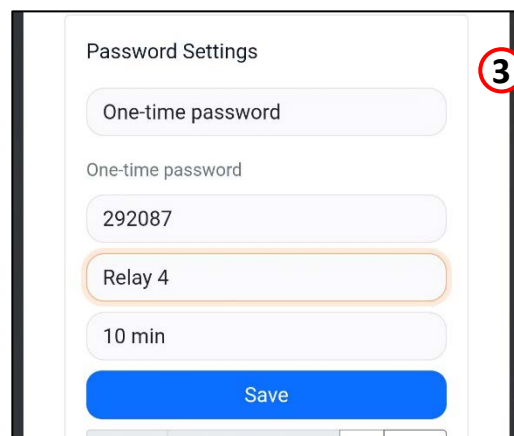
Click "Virtual Keypad"



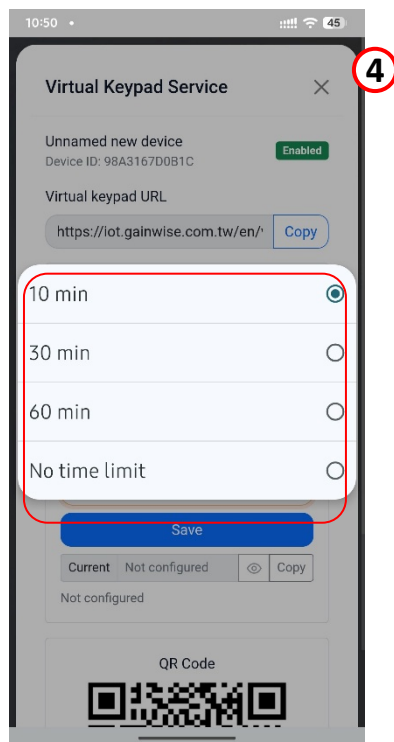
Select "One-Time Password"



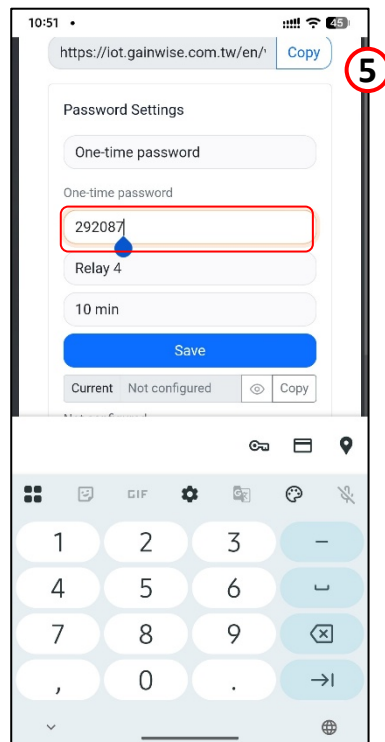
Select "Relay 4" (Default).



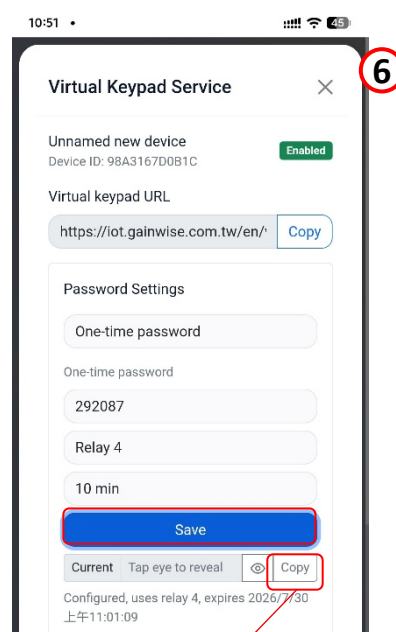
One-time passwords can be set with a time restriction.



One-time passwords can be auto-generated or manually edited



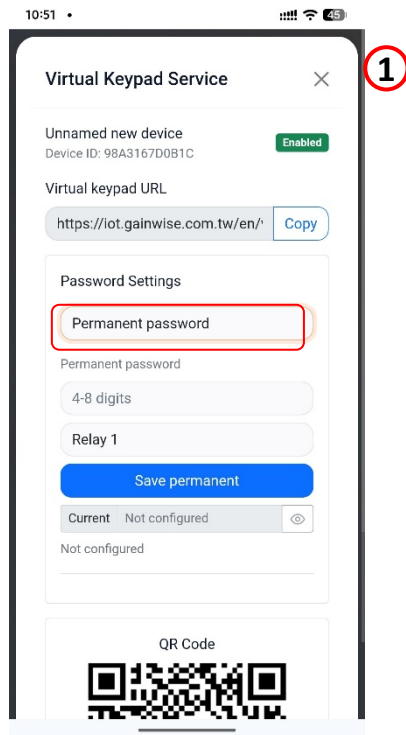
Confirm and click "Save"



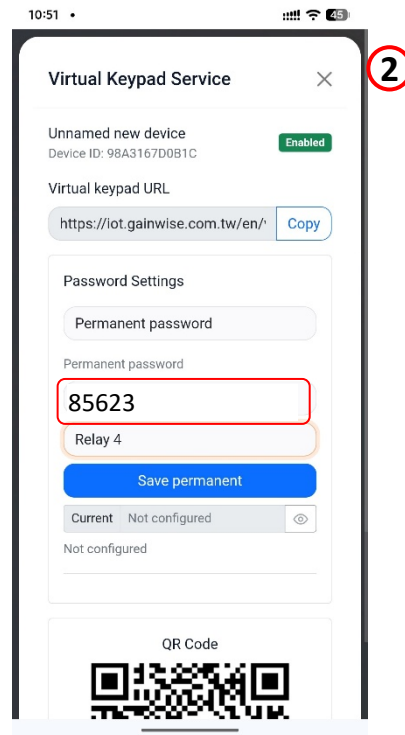
Tap "Copy" to easily copy and paste the OTP into any messaging app.

## Set Permanent Password

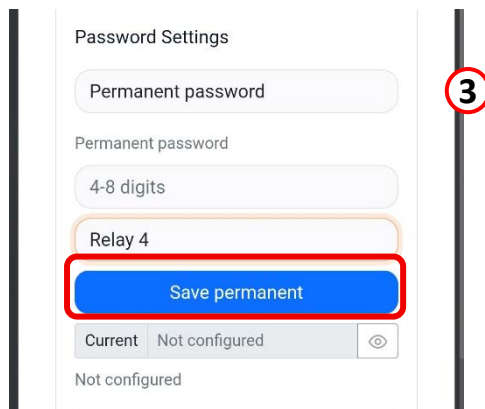
Select "Permanent Password"



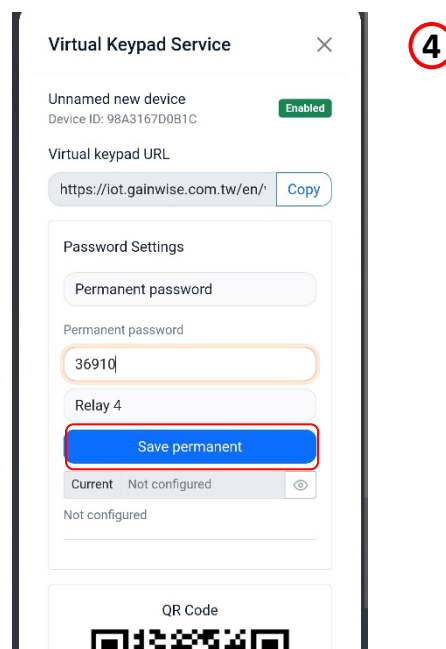
Set your own permanent password



Select "Relay 4" (Default).



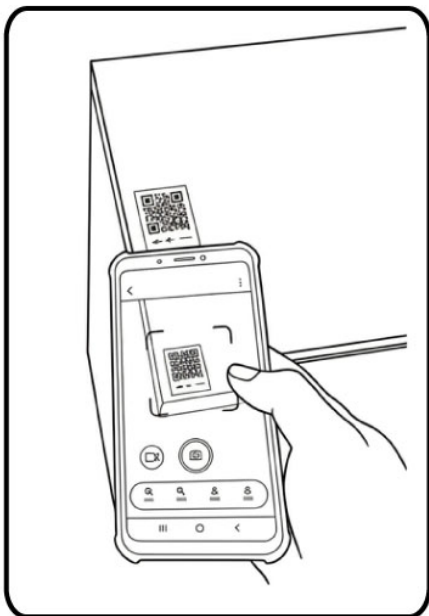
Save Permanent Password



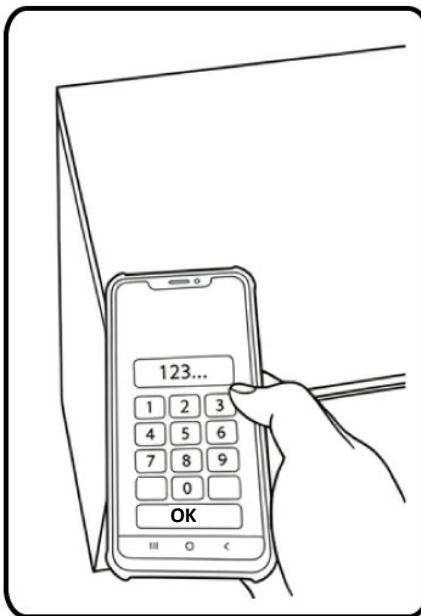
## 8. Virtual Keypad Operation

Scan the QR Code to operate the virtual keypad.

Step 1: Scan the **QR code** with your phone to open the virtual keypad.



Step 2: Enter the password and press **"OK"**



Step 3: The small door is successfully opened.

