

# Sectional and Tilting Door Opener Installation Instructions and User Guide



CN SERIES

S/N

**ATTENTION TO SECURITY**

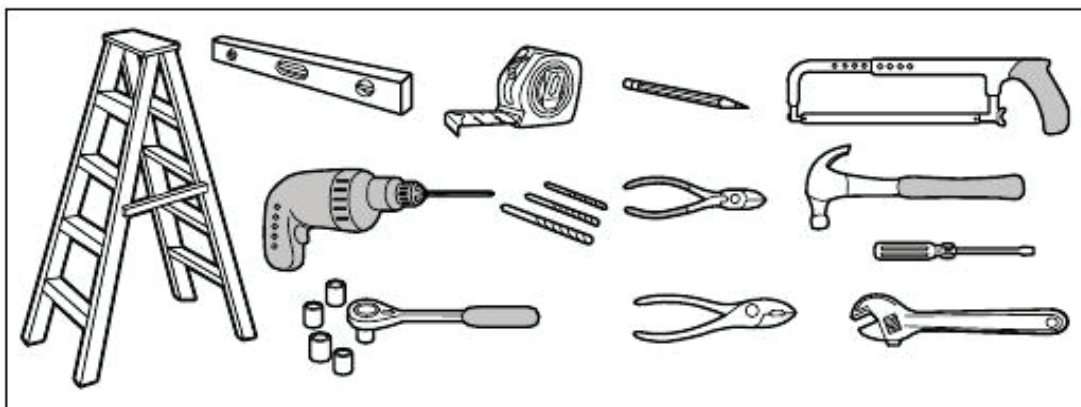
To ensure your safety and reduce accidents to happen, please make sure that you read the installation manual carefully before installation, and operate strictly to comply with the installation manual. If you have some questions, please ask the specialists and the dealers.

- 1) The installation worker must inspect the door before installation, it only allows installation when the opener staying at balance status, otherwise it could meet serious consequences.
- 2) When the door is running, people and object can not only go across but also stay below the door.
- 3) It is forbidden to use the remote control when you can not see the door running to avoid accidents and misuse of the garage door opening.
- 4) The mechanical limiters should add the door's two side to prevent the body sliding off the door.

**Note: If you do not have the side door, please make sure to install blackouts unlocking device so that you could open the door by hand when blackout.**

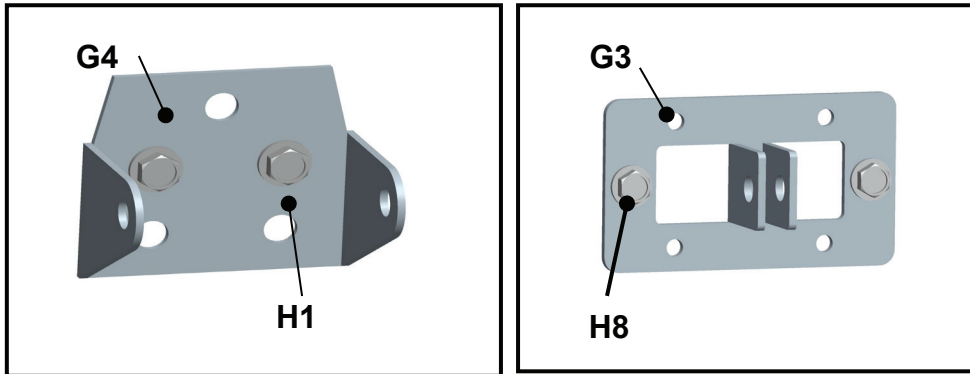
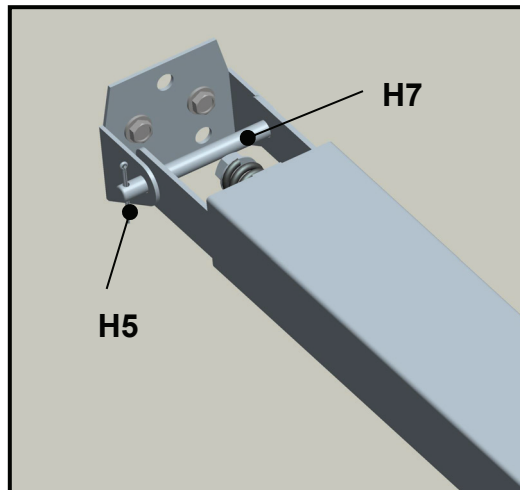
**TOOLS NEEDED**

During assembly, installation and adjustment of the opener, instructions will call for hand tools as illustrated below.



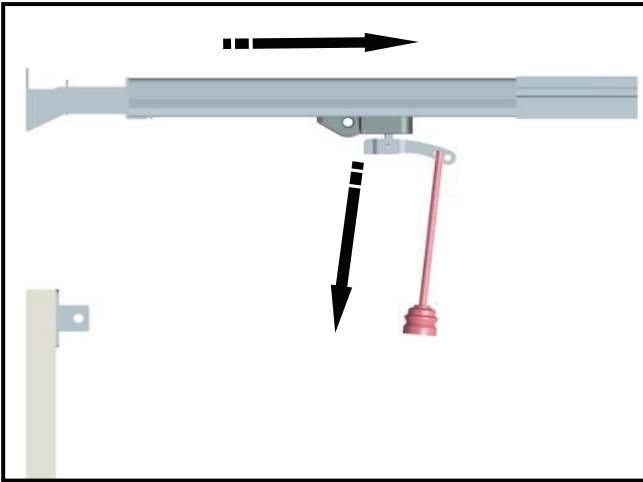
**TECHNICAL PARAMETER**

<b>Model</b>	<b>CN600</b>	<b>CN800</b>	<b>CN1000</b>	<b>CN1200</b>	<b>CN1500</b>
Input Voltage	AC220V/50HZ; AC110V/60HZ				
Motor	24VDC				
Max. Pull Force	600N	800N	1000N	1200N	1500N
Max. Door Area	8 m <sup>2</sup>	10 m <sup>2</sup>	15 m <sup>2</sup>	18 m <sup>2</sup>	22 m <sup>2</sup>
Transformer Power	110W	154W	175W	198W	220W
Max. Door Height	2400 - 3500 mm				
Drive Mechanism	Chain / Belt				
Limit Setting	Electronic				
Moving Speed	150mm/s				
LED Light	5W / 40 Lamp				
Radio Frequency	433.92MHZ				
Decoding	Rolling Code				
Transmitter	27A 12V /CR2032 3V Battery				
Work Temperature	-20°C~+50°C				
Courtesy Light	3 Minutes				
Rated Operation Time	4 Minutes				
Safety Protection	Soft start & Soft stop, Photo cell option, Caution light option				
Protection Level	IP20				

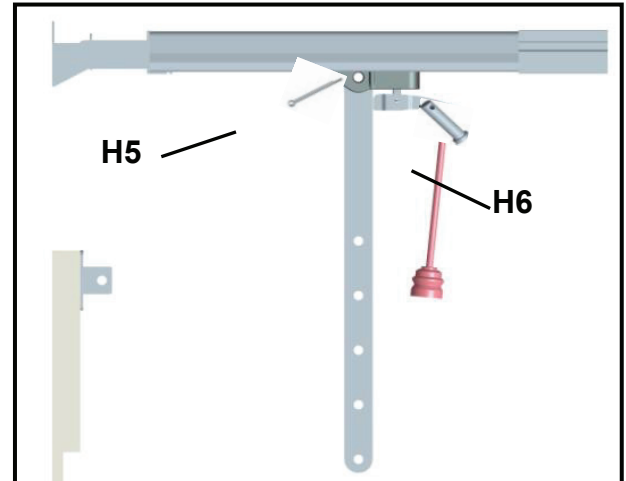
**INSTALLATION INSTRUCTION****Install the Header Bracket and the Door Bracket****Attach the Rail to the Header Bracket**

## Door Arm Connection

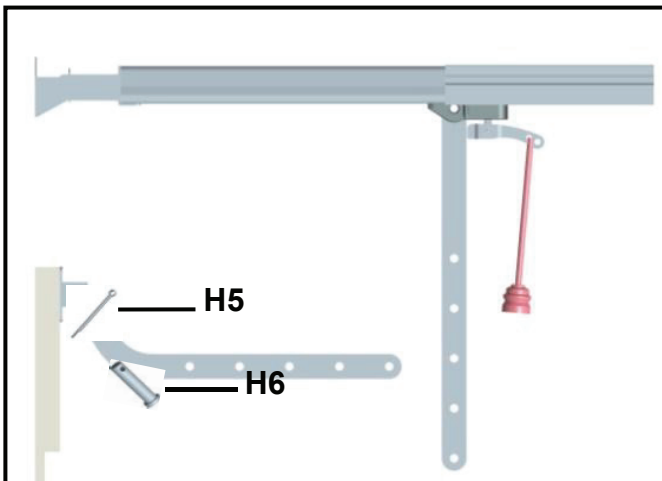
1. Close the door. Disconnect the trolley by pulling the emergency release handle.



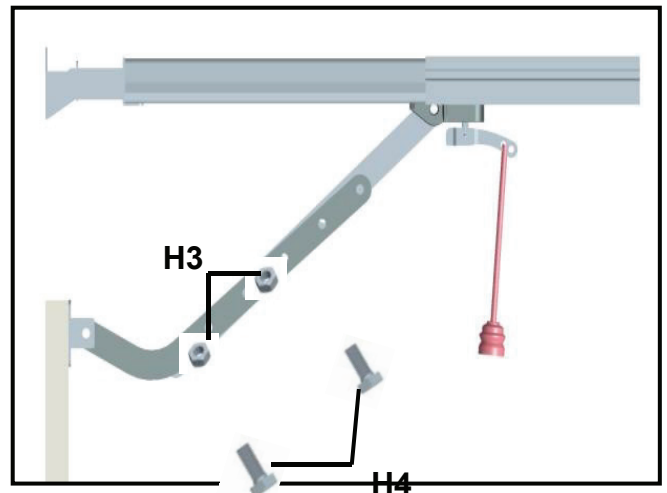
2. Attach the straight door arm to the outer trolley by using the short pin (H6). Attach with the cotter pin (H5).



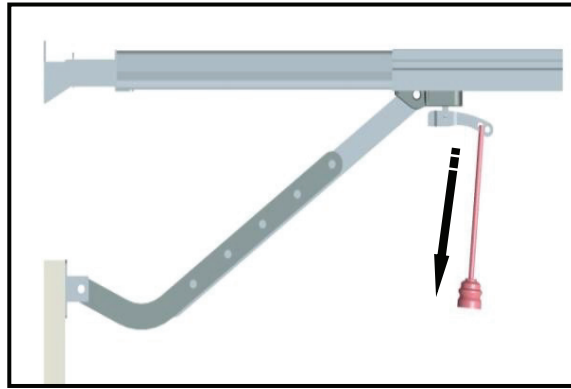
3. Attach the curved door arm to the door bracket by using the short pin (H6). Attach with the cotter pin (H5).



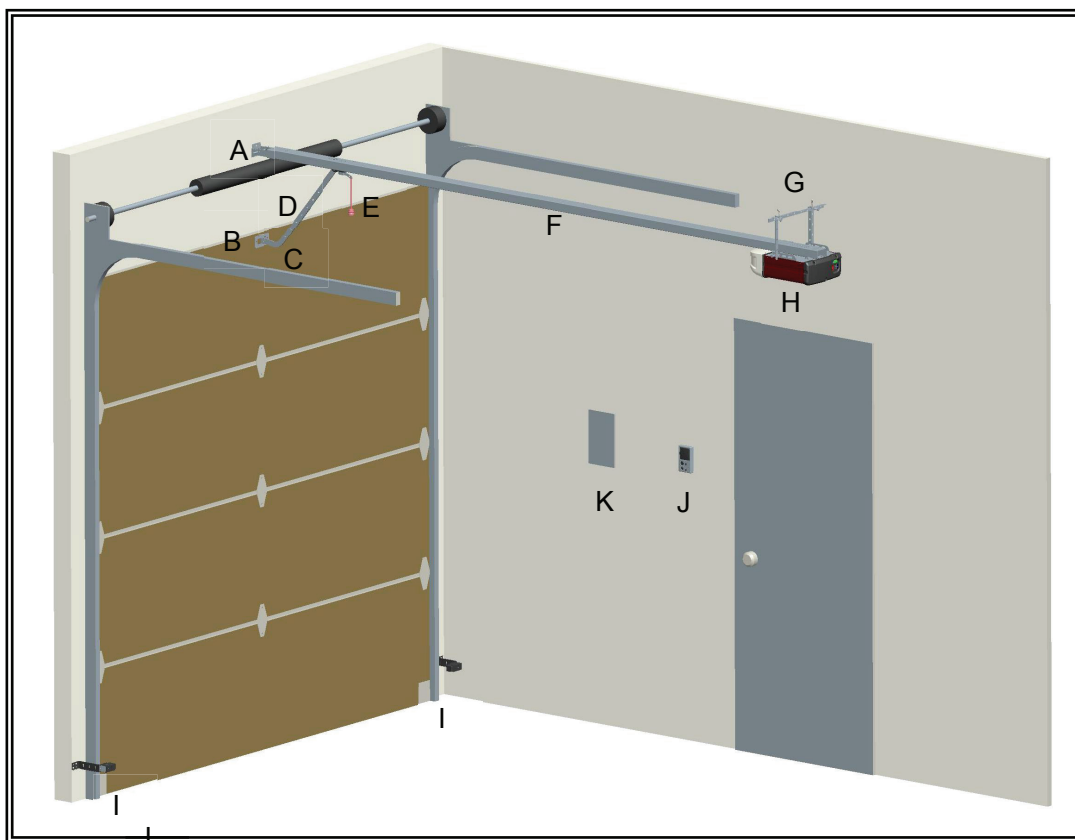
4. Put arm sections together and both pairs of holes that line up to join sections. Select holes as far apart as possible to increase door arm's rigidity and attach using the bolts (H4) and nuts (H3).



5. Pull the emergency release handle toward the garage door opener until the trolley release arm is horizontal. The trolley will re-engage automatically when the garage door opener is activated.



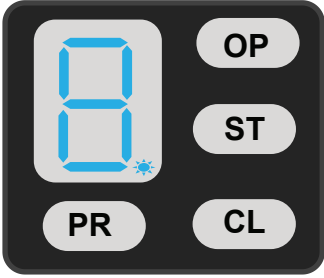
**Installation Instruction Diagram of Garage Door Opener**




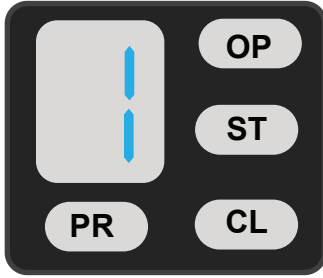
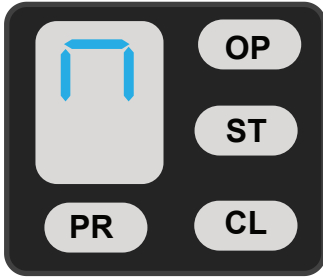
- |                                      |                                 |
|--------------------------------------|---------------------------------|
| A、 Header bracket                    | G、 Hanging bracket              |
| B、 Door bracket                      | H、 Garage door operator         |
| C、 Curved door arm                   | I、 Photoelectric sensors        |
| D、 Straight door arm                 | J、 Wall Control                 |
| E、 Emergency release rope and handle | K、 Safety labels and literature |
| F、 One-Piece Rail                    |                                 |

**PROGRAMMING INSTRUCTIONS**

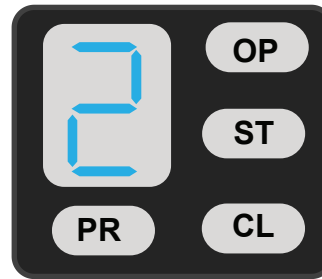
**Control Box---Overview**

	<p><b>ST</b> Enter Function Setup Menu Confirm chosen function or value</p>
	<p><b>PR</b> <b>In Standby:</b> Enter Transmitter Setup Menu</p>
	<p><b>OP</b> <b>In Setup Menus:</b> Scroll Function</p>
	<p><b>CL</b> <b>In Setup Menus:</b> Scroll Function</p>

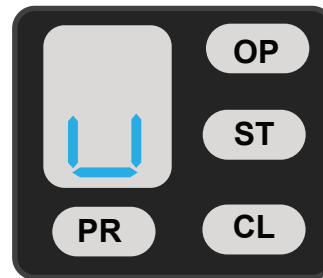
**Basic Function Settings**

<p><b>1. Adjusting the Open and Close Limits</b></p>		
	<p>Press 'ST' button and hold on until the LED displays '1'.</p>	
		<p>Press and hold the 'OP' button, until the door reaches the desired open position. NOTE: Fine adjustments can be made by toggling 'OP' &amp; 'CL' buttons.</p>
		

Press the 'ST' button, The LED displays '2'.



Press and hold the 'CL' button until the door reaches the desired close position. Toggle 'OP & CL' buttons for fine adjustments.



Press the 'ST' button to confirm the close position. The door is set for normal operation at the moment.

## 2. Programming Hand Transmitters



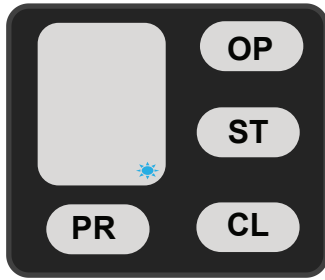
**NOTE:**

Hand transmitters that are supplied with the door opener is pre-programmed.

Press and hold the 'PR' button until the LED displays '●'.

Now press the button on the hand transmitter which you want to use, pause for 1 second, then press the same button on the hand transmitter again for 1 second. The LED will flash to confirm the code, then turn off.

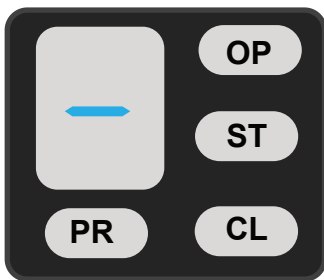
### 3. Deleting Stored Hand Transmitters



Press 'PR' button until the LED displays '●', Keep pressing the button, and then all stored remotes will be deleted when the LED is off.

## Advanced Function Settings

### 1. Time to Close



Press 'CL' button and hold on until the LED displays '—'. Press the 'OP' or 'CL' buttons to select closing time.

Level	0	1	2	3	4	5
Value	0	1 min	2	3 mins	4	5
Level	6	7	8	9	-	-
Value	6	7 mins	8	9 mins	-	-

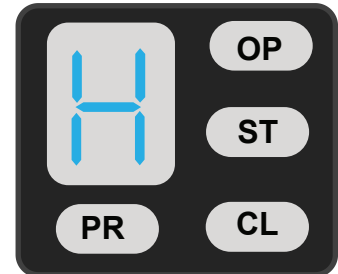
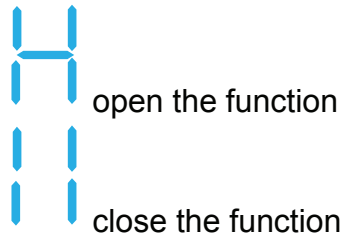


Press the 'ST' button to confirm it.

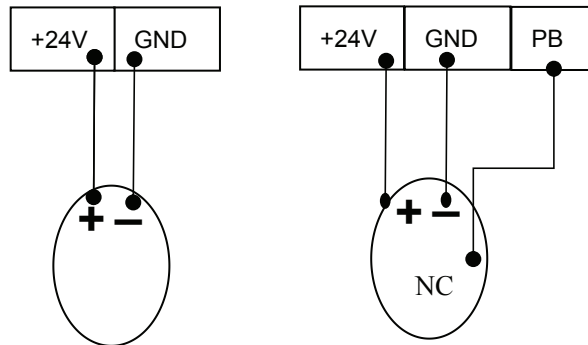
## 2. Safety Photo Beam



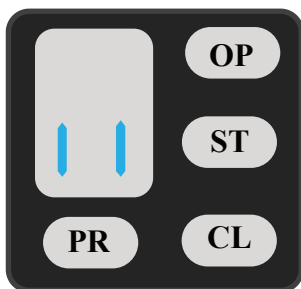
Press 'OP' button and hold on until the LED displays '—'. Press the 'OP' or 'CL' buttons to open or close the function.



Press the 'ST' button to confirm it.



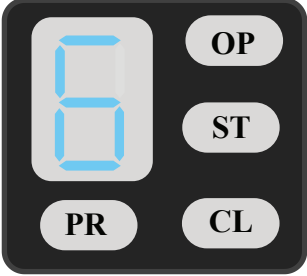
## 3. Close Force Adjustment



Press 'ST' button and hold on until the LED displays '3'.



Release the 'ST' button, the LED display the current closing force level



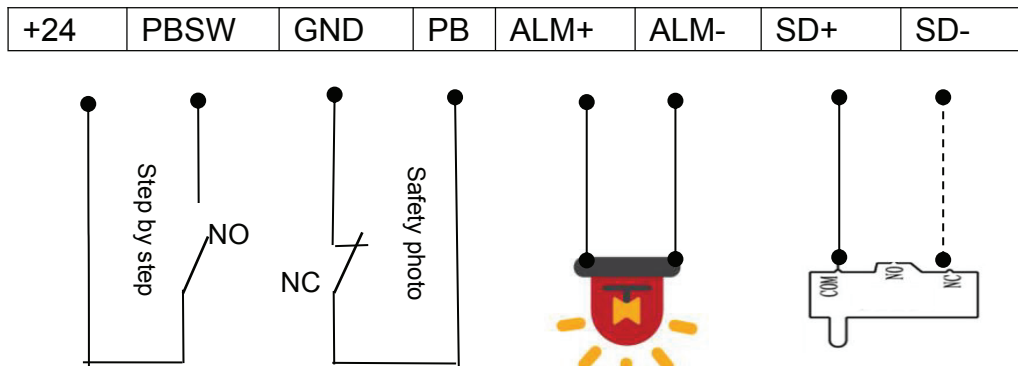
Press the 'OP' or 'CL' button to select closing force level.

Level	1	2	3	4	5
Level	6	7	8	9	-

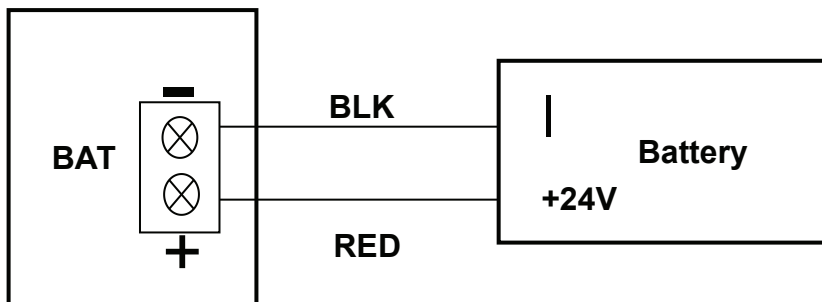
Level 1 is the Min closing force.  
Level 9 is the Max closing force.

**EXTERNAL WIRE CONNECTION**

**External Interface**



**Backup Battery**



**TUYASmart DOOR CONNECTION**

**NOTE: Optional Accessories**

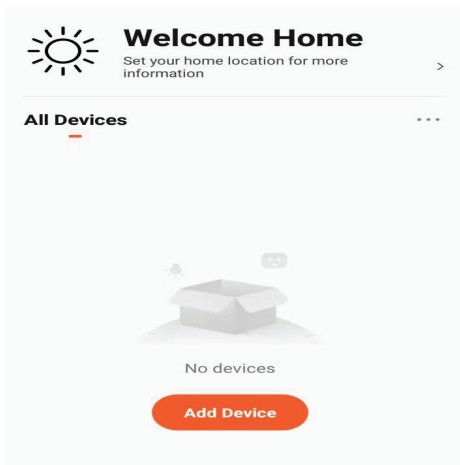
IOS: To search **TuyaSmart**  in the Apple store.

Android: To search **TuyaSmart**  in the App store.

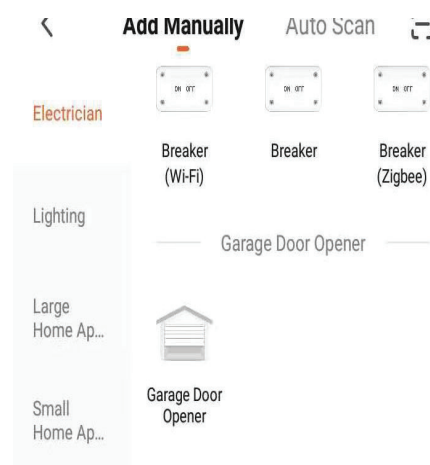
Download and install **TuyaSmart** App firstly, then register as a user.

**Open Tuya App**

A、Click “Add Device ”

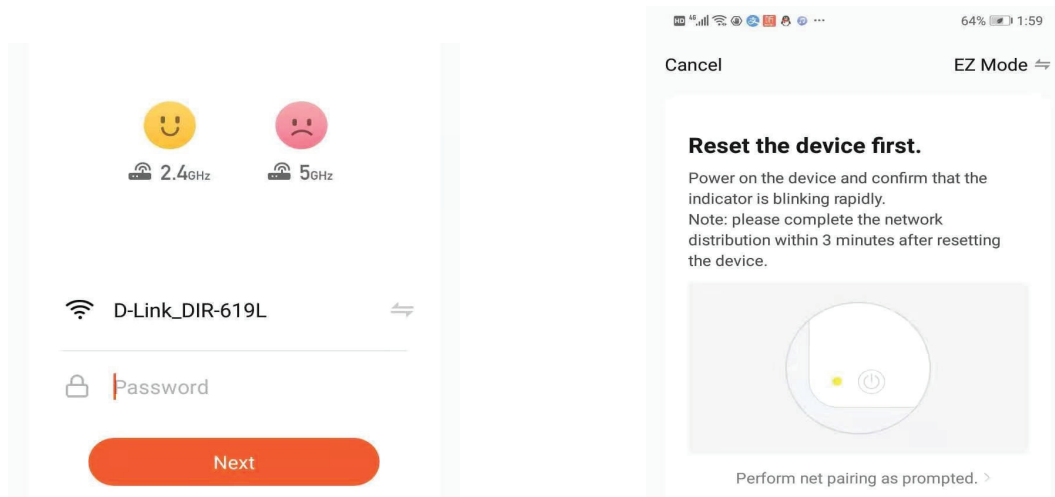


B、Click “Garage door opener”



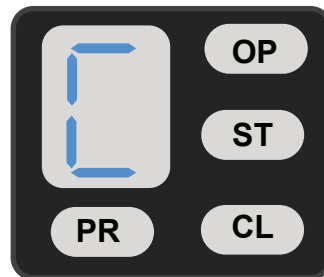
C、Input Wi-Fi ID and password

D、Select “EZ Mode”

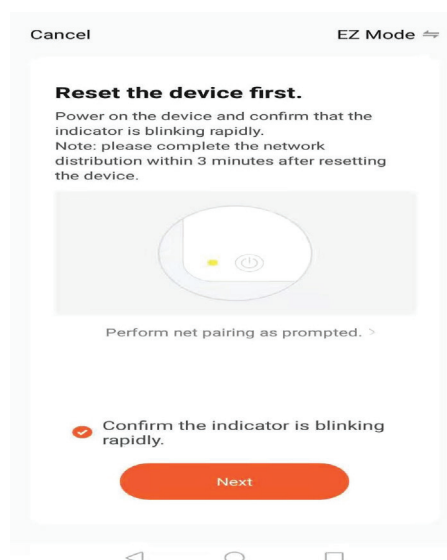


E、 Press and hold the **ST** button until the LED displays “C”.

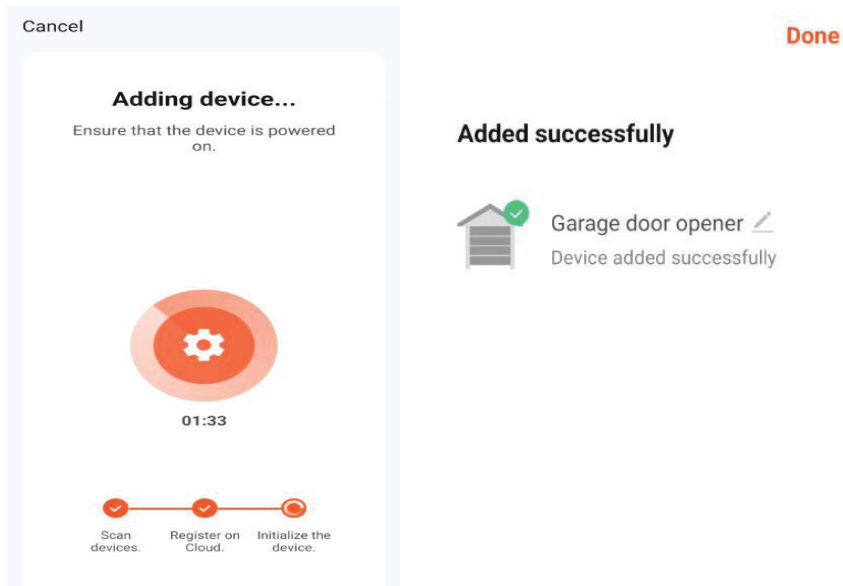
Release the **ST** button.The “C” is flashing.



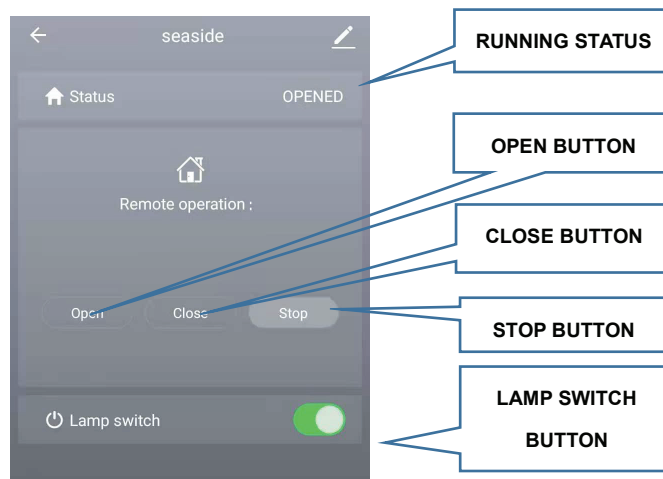
F、 Tick “Confirm indicator rapidly blink”, then click “Next”.



G、 Connect successfully







H. Operate the Garage Door Opener



**COMMON FAULT & SOLUTIONS**

Code	Cause	Solutions
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	<p>Power failure</p>	<p>Check the power</p>
	<p>The motor doesn't work. Small door is not connected.</p>	<p>Connect the Small door switch.</p>
	<p>The motor doesn't work. Small door is not connected.</p>	<p>Connect the Small door switch.</p>
	<p>The motor can not run down,only up The photoelectric protection function is activated. But no photoelectric switch is connected</p>	<p>Close t he photoelectric protection function. Or connect the photoelectric switch.</p>
<p>No any working for openers LED screen is not bright</p>	<p>1. Power failure 2. Plug wire is loosing</p>	<p>1. Check whether the motor socket is energized 2. Check whether Fuse tube is broken 3. Check whether the low-voltage wire of transformer is connected to the power board 4. Check whether the ribbon cable is plugged 5. Check whether there is 26vAC at the transformer low-voltage side, if there is 27vAC, replace the PCB. If not, replace the transformer</p>
<p>Position missing</p>	<p>System error</p>	<p>Re-set the limit traveling</p>

<p>When open the door by remote, opener stops automatically after running 10CM</p>	<p>Hall sensor wire is loosed or damaged</p>	<p>Open the cover, check the Hall sensor wire, re-plug or replace.</p>
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