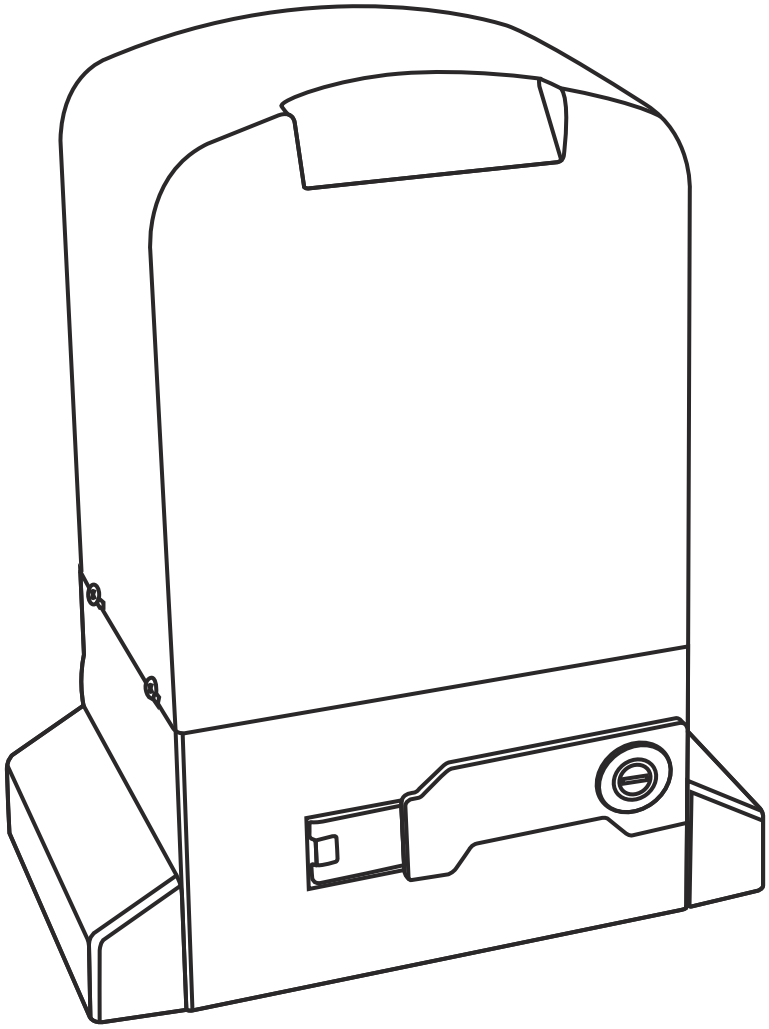
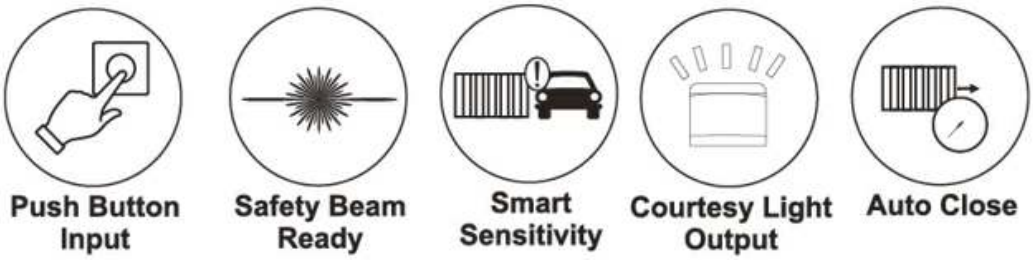
Sliding Gate Opener
User's Manual





V7.2.4

Contents

Thank you for choosing this sliding gate opener. Please read the manual carefully before assembling and using it. Do not leave out the manual if you send this product to a third party. This product complies with the recognized technical standards and safety regulations. Our company has the right to change this manual without prior notice.

1. General safety

Warning: Incorrect or improper use of this product can cause damage to persons, animals or properties.

- Please ensure that the input voltage used matches with the supply voltage of gate opener (AC 110V±10% / 220V±10% 50Hz / 60Hz).
- All modifications to wiring or electrics, and any adjustment or maintenance to AC 120V/ 240V MUST be done by a qualified electrician.
- To avoid damaging gas, power or other underground utility lines, contact the relevant authority BEFORE digging.
- All potential hazards and exposed pinch points of the gate must be eliminated or guarded prior to installation of this gate motor.
- Never mount any device that operates the gate motor where the user can reach over, under, around or through the gate to operate the controls. These must be placed at least 1.8m from any moving part of the moving gate.
- Ensure power plug is disconnected from the power socket during installation or maintenance.
- Keep remote control and other control devices out of children's reach, in order to avoid unintentional activation.
- Never allow anyone to hang onto the gate while moving.
- Please ensure a warning sign provided is fitted to the structure.
- To ensure safety, before installing the main motor, make sure Gate End Stop and a Gate Stopper mounted at each end of the rail to prevent the gate travelling off the track.
- If required, install infrared photocells (sold separately) to detect obstructions and prevent injury or damage.
- Instruct all users about the control systems provided and the manual opening operation in case of emergency.
- Do not install the product in an explosive atmosphere or where there is any danger of flooding.
- This product was exclusively designed and manufactured for the use specified in the present documentation. Any other use not specified in this documentation could damage the product and be dangerous.
- Only use original parts for any maintenance or repair operation. We decline all responsibility with respect to the automation safety and correct operation when other supplier's components are used.
- The user must avoid any attempt to carry out any works or repairs on the motor, and should always request the assistance of qualified personnel.
- This motor is suitable for use on one sliding gate only.
- Anything which is not expressly provided for in these instructions is not allowed and will void warranty.
- Dispose of all packing materials (plastic, cardboard, polystyrene etc.) according to current guidelines.
- Keep plastic bags and polystyrene out of children's reach.

Please save these instructions for future use.

2. Appearance and dimensions

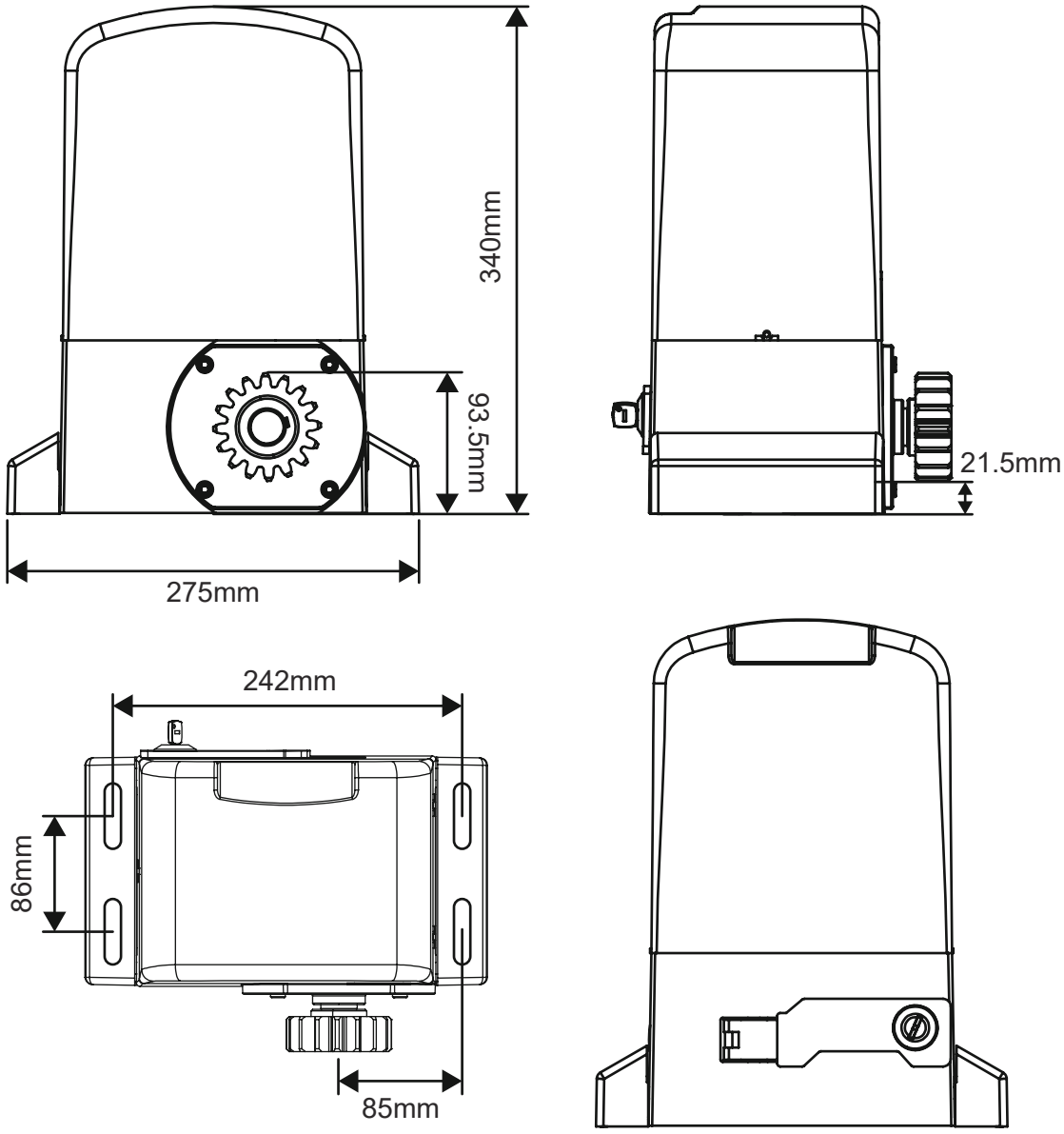
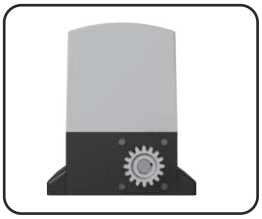


Diagram 1

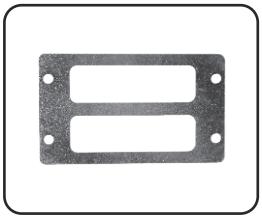
3. Part list



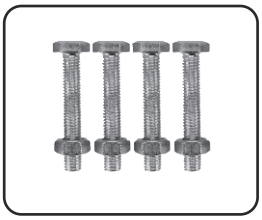
Motorx1

RHS/LHS Limit Switch Striker Platex2

Motor to mounting plate screwsx4



Motor Base Platex1



Adjust Boltsx4

Striker Plate Fixing Boltsx4

Remote control (optional)

Remotex2

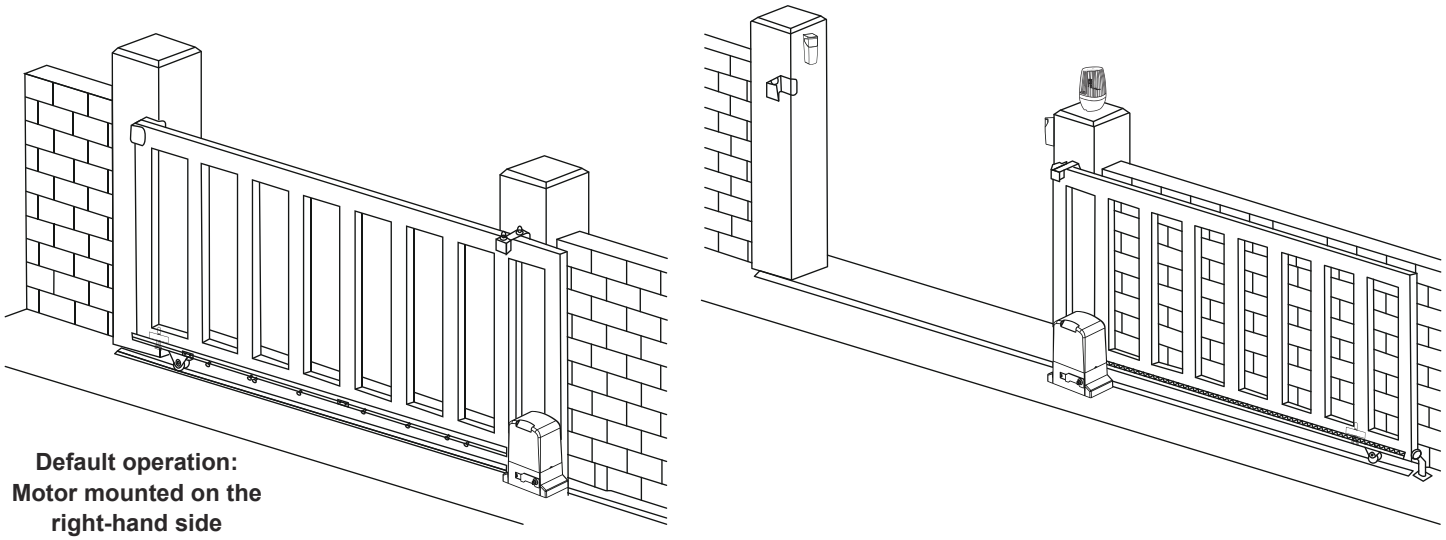
Override keysx2

4. Parameters

Power supply	220VAC±10% 50Hz	110VAC±10% 60Hz
Maximum load	2000KGS	1800KGS
Rated power	550W	550W
Rated speed	1300RPM	1400RPM
Output Speed	50r/min±10%	
Running speed	20cm/s	
Output torque	37 N.m	36 N.m
Output gear module	M=4	
Output gear number	Z=16	
Remote control distance	≤50meter	
Working humidity	≤85%	
Maximum pull	1800N	
Noise	≤55dB	
Protection Class	B	
Working temperature of motor	-20°C～ +55°C	
Net weight	12KG	12KG
Packing	In a standard carton	In a standard carton

5. Gate opening default setting information

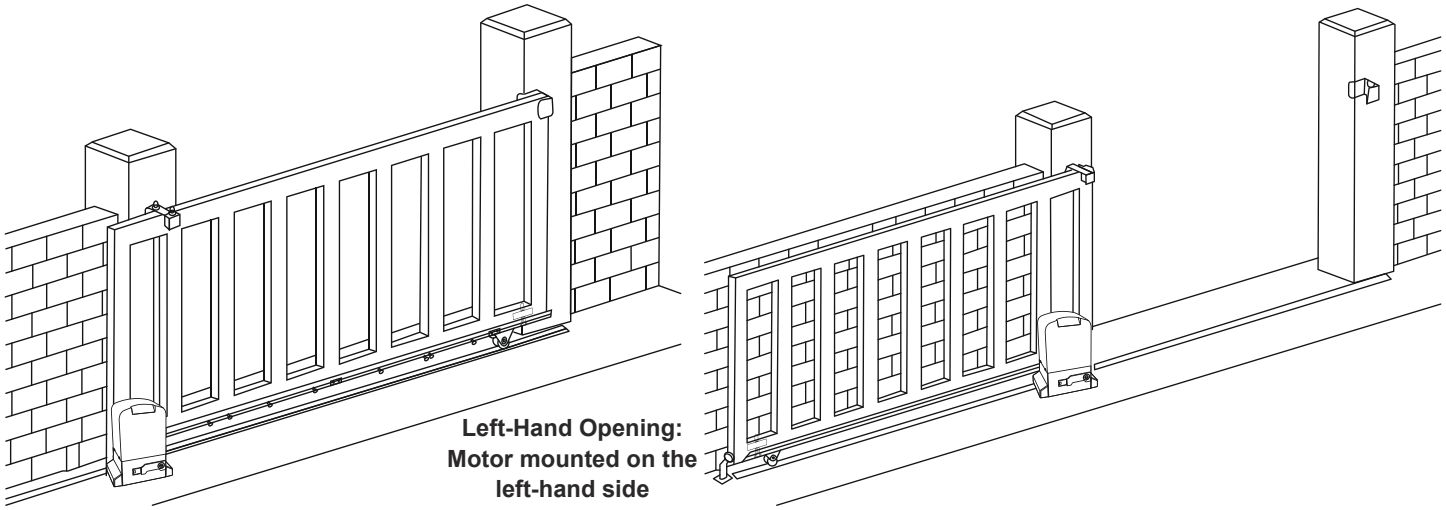
The gate motor will open the gate to the right-hand side as its default setting (Refer to diagram 2).



Default operation:
Motor mounted on the right-hand side

Diagram 2

If your gate needs to open from the other direction (to the left, refer to diagram 3) your motor needs to be mounted on the left-hand side as shown, please enter the digital display menu to set the parameter J2 value from 0 to 1.



Any works done to the motor motor must be completed while the power is off, and the motor is unplugged

Diagram 3

6. Installation of motor

6.1 Installation of motor base plate

1. Depending on the installation size of the motor and mounting height of racks, after determine the installation position of the motor base plate, first let the bolt embedded or use expansion bolt to make base plate fixed on watering good cement foundation. (Refer to diagram 4)

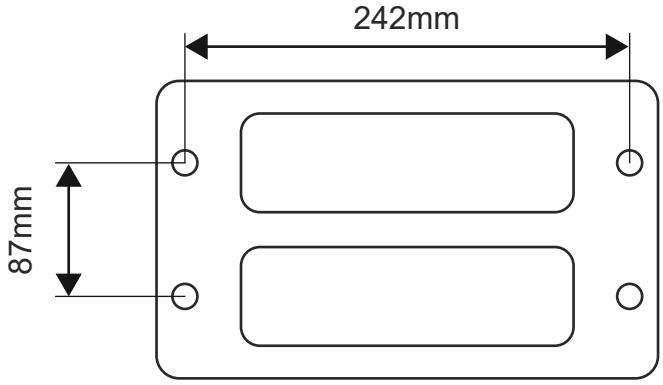


Diagram 4

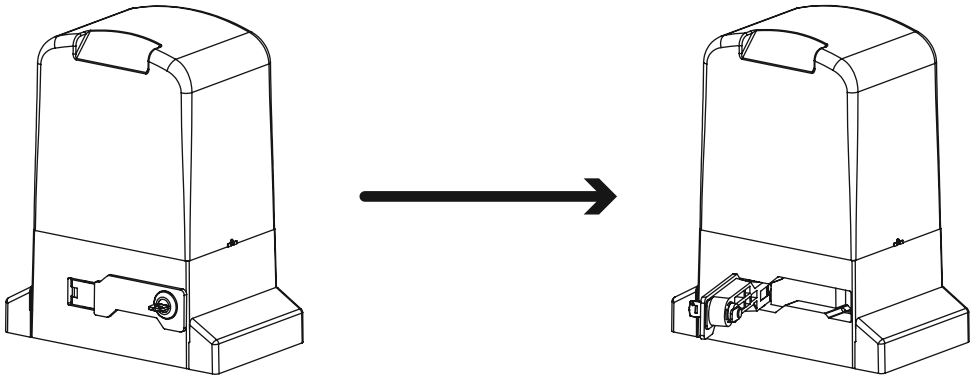
2. If gear rack has been installed on door, motor can be fixed on it, use a allen key rotation to clutch “off ” position, after motor gear and gear rack match well to determine position of base plate, then remove motor and fix base plate.

6.2 Installation of gate opener

1. Put gate opener on base plate, use a random matching hexagon screw make the motor fixed on the base plate.
2. Unscrew the screws fixed the motors cover, remove motor cover. According electrical wiring diagram, connected power cord, after adjust in good position, then install cover and use screws to fixed it.

6.3 Preparing and install gear racks

1. Using the supplied key unlock manual override and pull out manual override lever (see diagram 5) then manually close the gate.



Insert Key, rotate 90 degrees

Releasing arm in torsion, wriggle 90 degress gate operator will be in releasing state

Diagram 5

2. Insert the key in the key, barrel and turn the key, clockwise and pull to allow the manual override lever to swing out.

6.4 Install the gear rack onto the gate

1. Each piece of rack will interlock into the next piece (see diagram 6)

- The best method for installation is to first close the gate using the manual override, sit the first piece on the gear of the motor (make sure it is 100% level first) then fix directly to the gate in the centre of the fixing hole of the rack.Now loosen the fixing and adjust the spacing between the motor gear and the gear rack (allow 2-3mm gap).

- Re-tighten and fix the next remaining holes on the rack.
Move the gate manually forward and backward along the installed rack to ensure that the gap between the rack and the gear is consistent throughout.
Clip in the next piece of rack into the first (make sure it is 100% level first) then fix directly to the gate in the centre of the fixing hole of the rack.

- Again move the gate manually forward and backward along the installed racks to ensure that the gap between the rack and the gear is consistent throughout.
Repeat the above method to complete the racks installation and always be sure to move the gate manually forward and backward every time you install another piece of the rack.

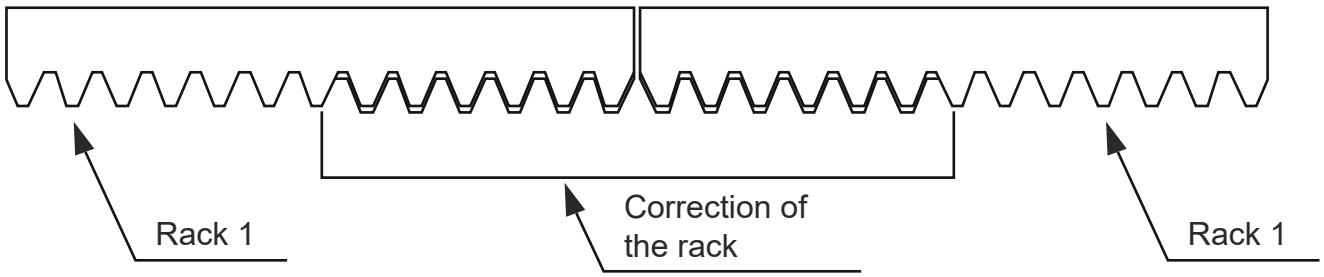
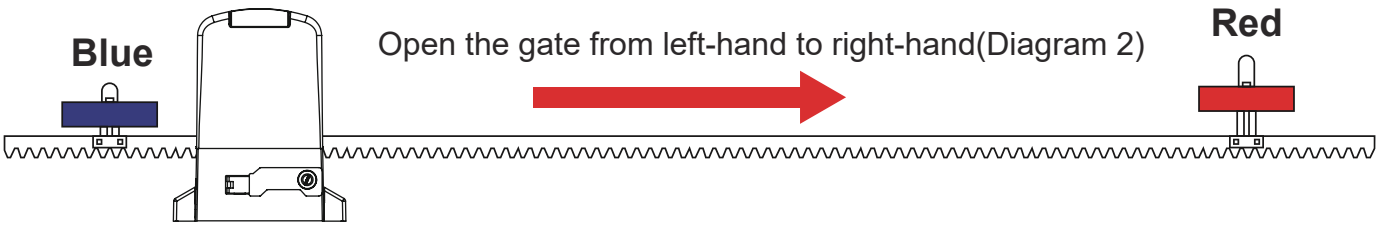


Diagram 6

- here are 2 limit magnet supplied. Note there is a left hand and a right hand magnet. The magnet should be installed one at either end of the rack. See Diagram 7

- To install the magnet in the correct position, open the clutch door and press the ‘CLOSE’ button on the remote, the motor will run but will not drive the gate. Close the gate manually and adjust the limit magnet to contact the toggle switch and switch the motor off at the desired gate position. To adjust the stop position of the gate when it is open, press the ‘OPEN’ button, manually open the gate and adjust the other limit magnet to contact the toggle switch and switch the motor off.

- When you are satisfied the limit magnet are in the correct positions, tighten the screws in the limit magnet to clamp them to the rack, close the clutch door and using the remote control check the gate opens and closes to the desired positions. Adjust the limit magnet if necessary.



If you install the motor on the left of the gate, please adjust the blue and red limit magnet position as below picture show.

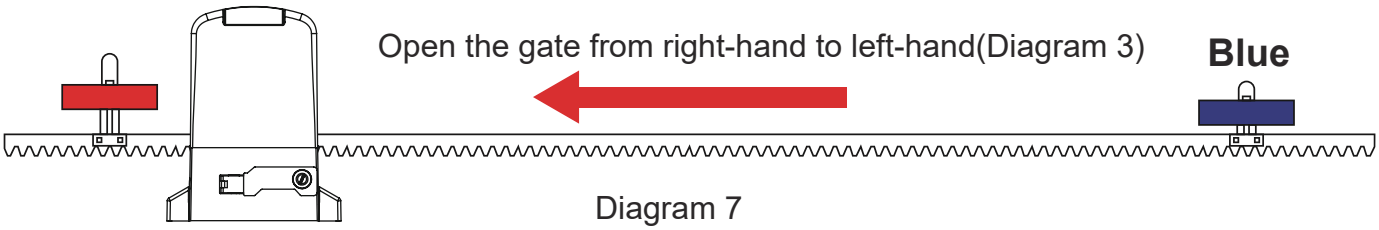
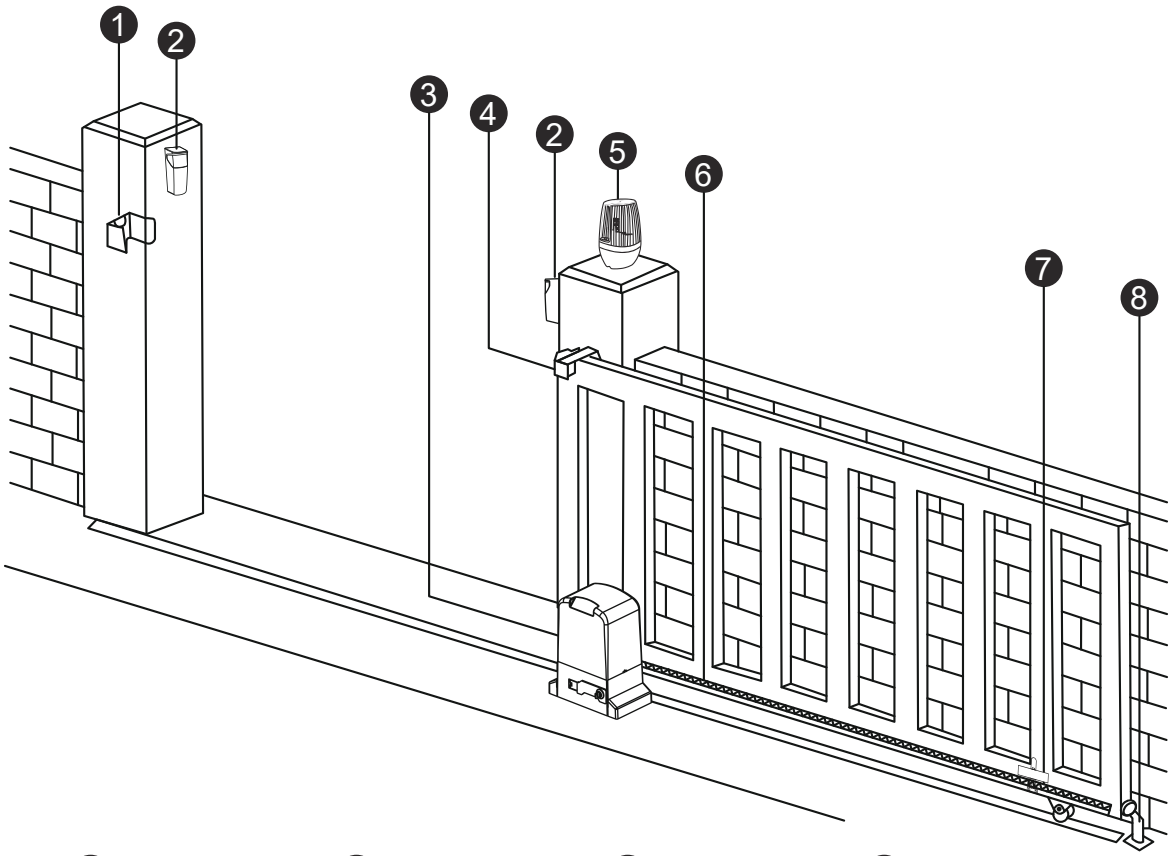


Diagram 7

6.5 Typical installation layout:



① Gate catch ② Photocell ③ Gate motor ④ Gate bracket
⑤ Lamp ⑥ Gear rack ⑦ Magnet limit ⑧ Gate stopper

6.6 Installation of infrared sensors(photocell)

1. Unscrew the screws on the motor and the remove the motor cover.
2. Let the signal line and power line coming in from outside, and then connected it according to electrical wiring diagram.
3. With screws fixed base plate in a fixed position.
4. Close the motor cover and tighten screws.
5. According to the required to adjust the transmitter and receiver height position.
6. After installation,to test photocell and adjustment to make sure can normal work.

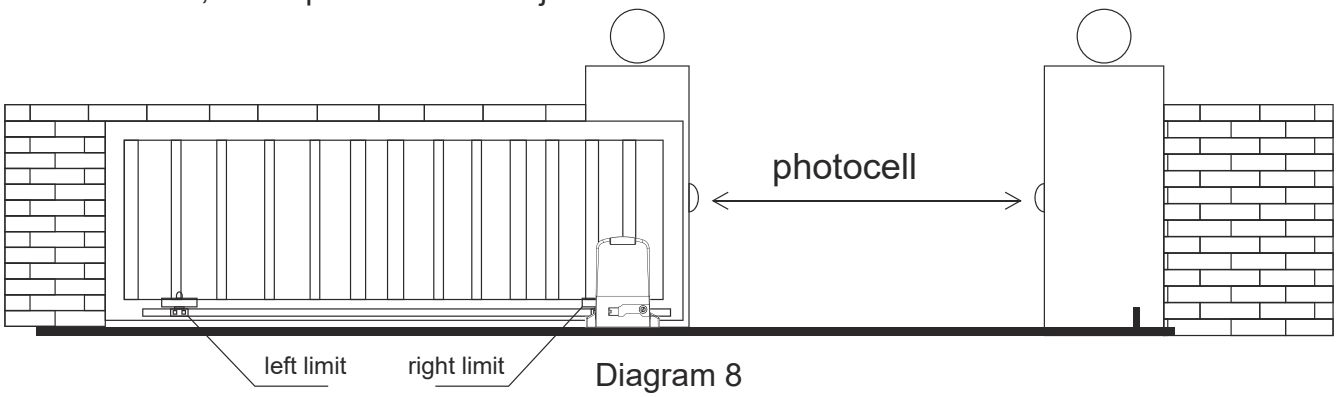


Diagram 8

7.Power up and testing procedure

- Check the operating direction wiring and switch again.
- Close the gate using the manual override.
- Re lock the manual override.
- Connect the power cord.
- Press number 1 on the remote control to start your test.
- The gate should open and stop when the limit switch spring is triggered.

If gate not stop when spring triggered then reverse the limit switch directions switch

8.Control board

8.1 Technical parameters

1. Power supply: AC 110V/220V±10% 50Hz/60Hz
2. Application: AC sliding gate opener
3. Remote control: Giant customized rolling code
4. Remote control memory: max support 128pcs.

8.2 LED Indicator Information

1. State indicator: Power on the control board, the red LED will keep lit up.
2. RF indicator: While the user is programming, removing or operate the remote control, it will flash quickly.
3. Smart indicator: It will show the work state of smart module.
4. Motor indicator: While the gate is opening, the blue LED will lit up. While it is closing, the red LED will lit up.
5. Limit switch indicator: While the gate arrives at the open position, the blue LED will lit up. While it arrives at the close position, the red LED will lit up.

8.3 Terminal and buttons instruction

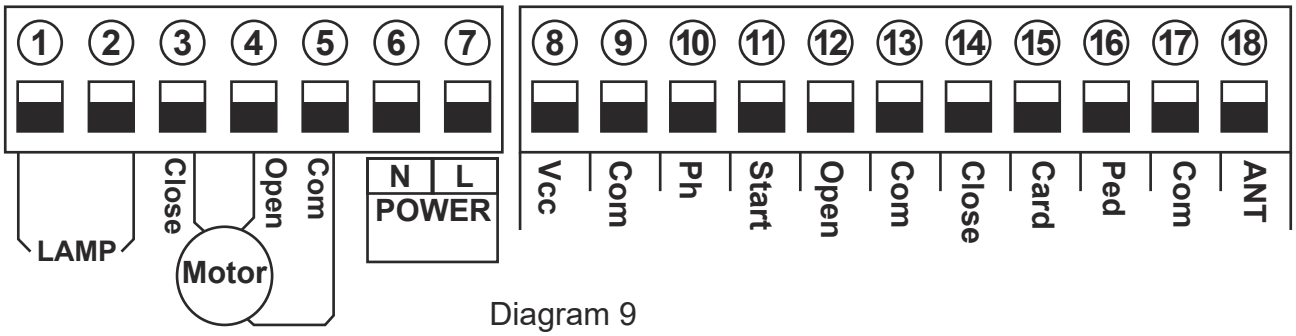
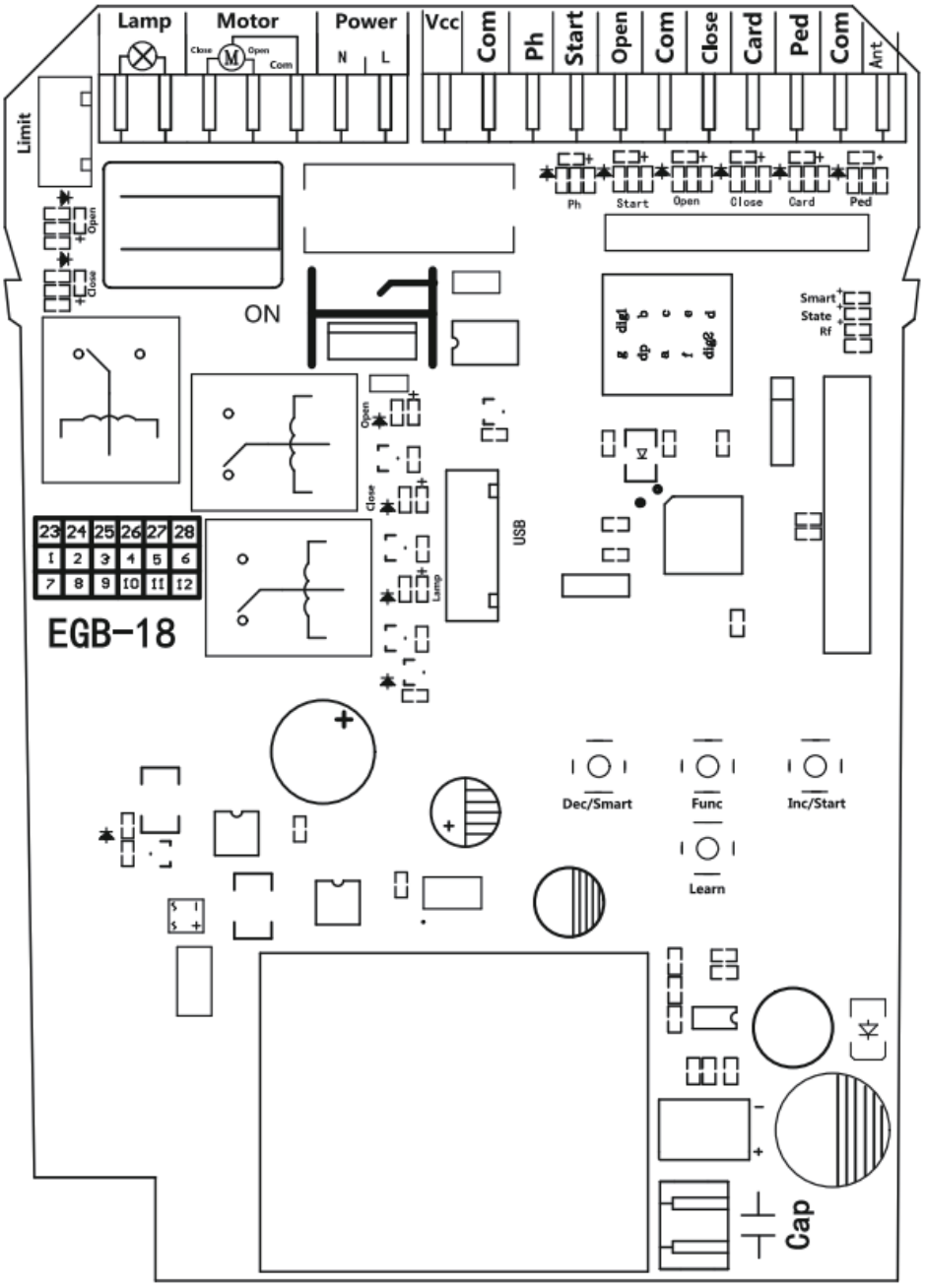


Diagram 9

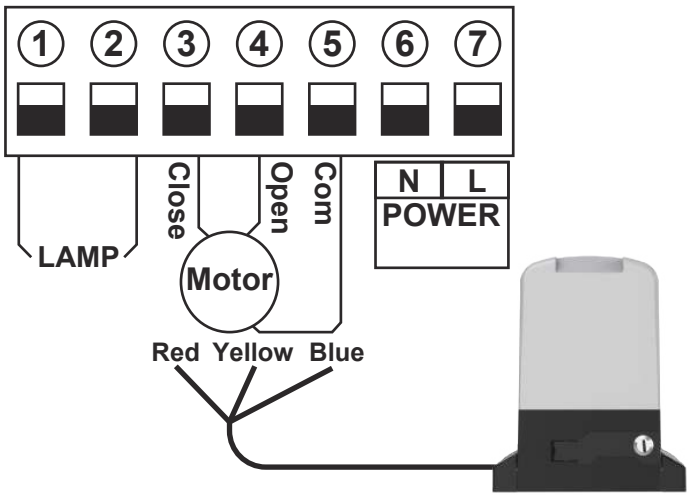


1&2. Lamp: used to connect with flashing light, output voltage is AC 110V/220V.
3&4&5. Motor: used to connect with sliding gate motor's wire.
6&7. Power: used to connect with AC 110V/220V power.
8.Vcc: DC 12V output used to connect with external devices, max 200mA.
9.Com: used to connect with COM terminal or GND.
10.Ph: used to connect with the photocell sensor.

11.Start: It is a single button control mode switch for controlling the gate by “open -stop-close - stop - open...” cyclically.
12.Open: used to connect with any external devices that will operate to open the gate.
13.Com: used to connect with COM terminal or GND.
14.Close: used to connect with any external devices that will operate to close the gate.
15.Card: used to connect with any external devices that will operate to open the gate.
16.Ped: Pedestrian mode signal (gate open signal) input port.
17.Com: used to connect with COM terminal or GND.
18.ANT: antenna connection.
19.Digital display: It is for showing you the setting data.
20.DEC/SMART: used to figure decrease of setting the data or operating the smart module.
21.FUN button: Used for enter the menu setting and confirm the data.
22.INC/START: used to figure increase of setting the data or operating the single button control mode.
23.LEARN button: It is for programming/erasing the remote control.

8.4 Control Board Wire Diagram

● Install the motor on the right-hand of gate

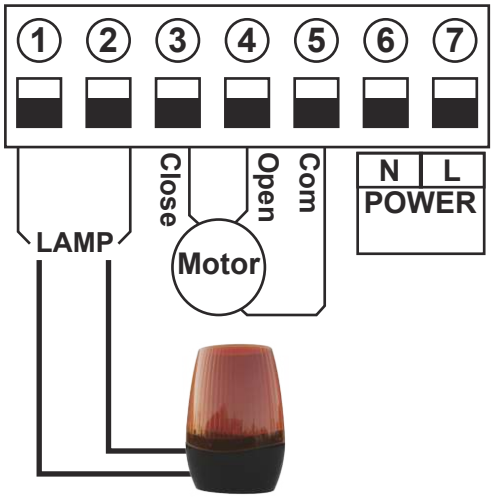


Terminal ③, ④ determines the forward and backward direction of the motor

Terminal ⑤ is for connecting with Com(GND)

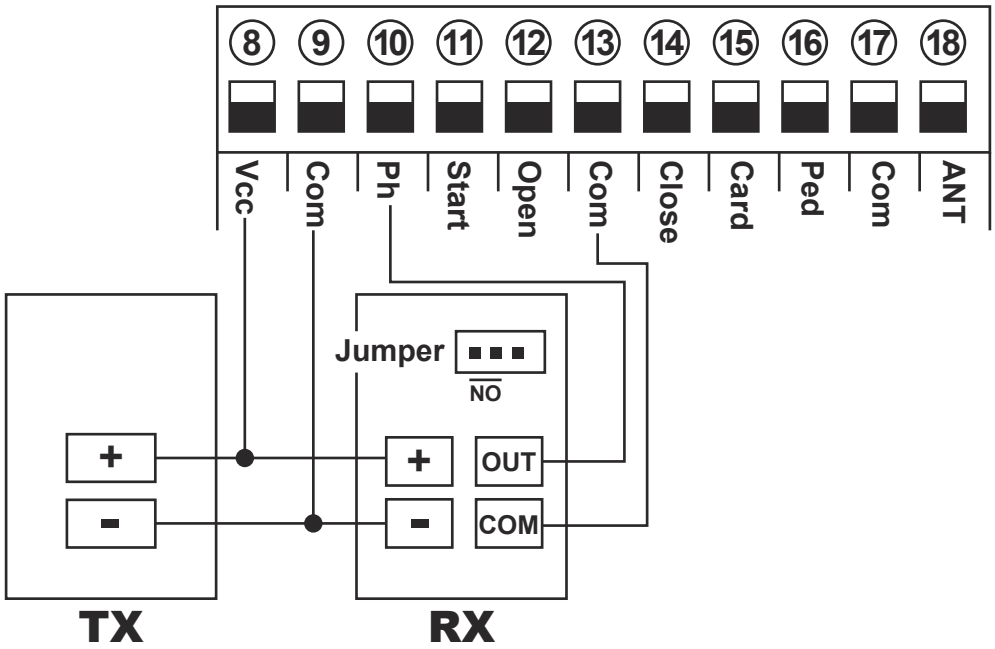
Please note: Our factory setting is install motor on the right-hand of gate! When you want to install motor on the left-hand of gate, please enter the digital display menu to set the parameter J2 value from 0 to 1.

● Connect with flash lamp



Terminal ① and ② is for connecting with the flash lamp.

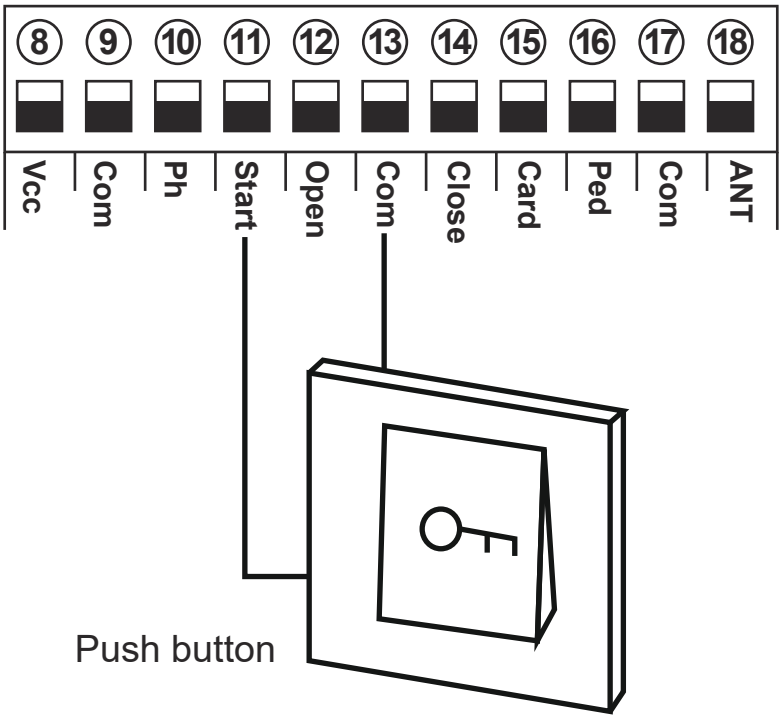
● **Connect with safety beam**



Connect terminal ⑬ with the “COM” of photocell RX.
Connect terminal ⑩ with the “OUT” of photocell RX.
Connect terminal ⑧ with the “+” of photocell RX and TX.
Connect terminal ⑨ with the “-” of photocell RX and TX.

● **Connect with start terminal**

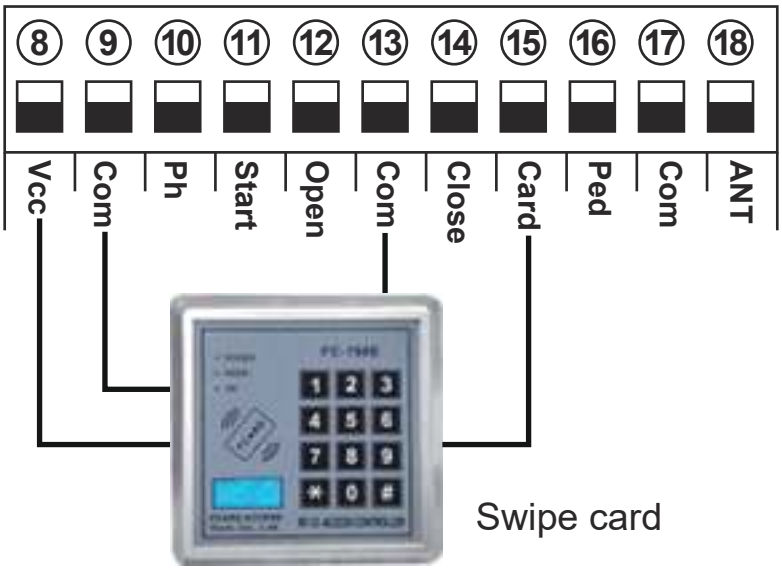
Start terminal is used for connecting with some external devices , such push button, wired keypad, receiver etc. Control gate by “ open-stop-close-stop...” mode



Terminal ⑪ and ⑬ are for connecting with the push button.

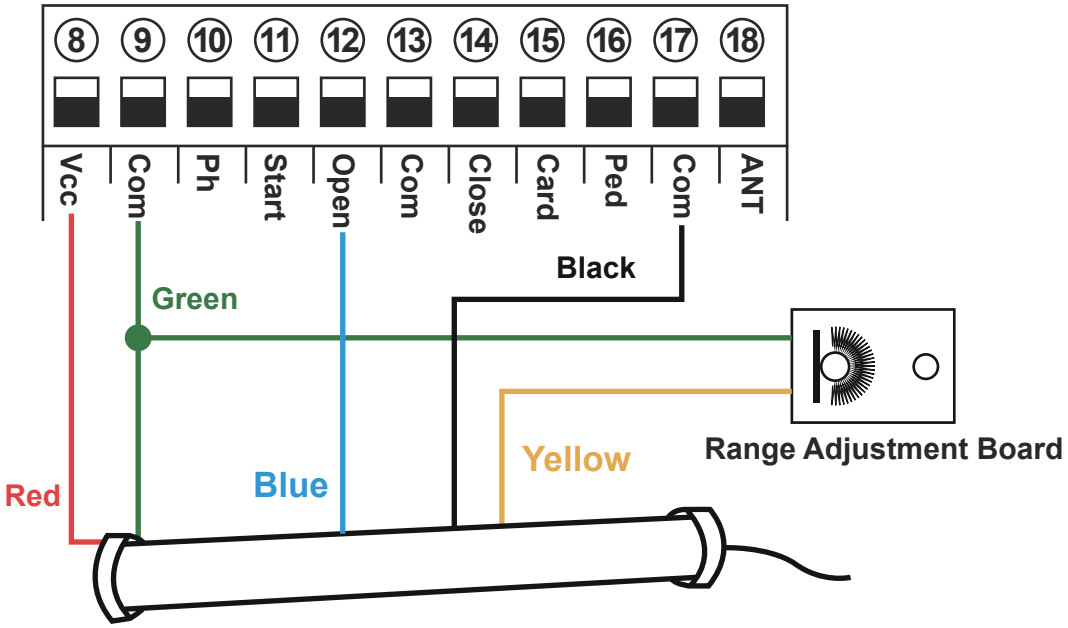
Note! If you connect the swipe card or wired keypad, etc devices, please also connect with ⑧ Vcc and ⑨ Com to get the power supply.

● **Connect with swipe card**



Terminal ⑮ is for opening the gate only, for external device such swipe card, wired keypad etc. Terminal ⑮ and ⑬ are for connecting with the swipe card. Terminal ⑧ and ⑨ are for supplying the power to the swipe card.

● **Connect with loop detector**



● **Loop detector wire information:**

Definition of the 5 –core cable:
RED →Input Voltage (+)
GREEN →Ground/Common (-)
BLACK →Relay's Common
BLUE →Relay's Normally Open
YELLOW →Range adjustment potentiometer (POT)

Red wire: connect with terminal ⑧.
Green wire: connect with terminal ⑨ and range adjustment board.
Black wire: connect with terminal ⑰.
Blue wire: connect with terminal ⑫.
Yellow wire: connect with range adjustment potentiometer.

9. Remote Control

Each remote has 4 buttons, can set them with different work mode independently through the digital display menu L1, L2, L3 and L4,

0: No function.
1: Open-Stop-Close...
2: Pedestrian mode.
3: Open only.
4: Close only.
5: Stop only.
6: Turn auto close off via remote.

10. How to Program or Erase the Remote

● Program the remote: Press learn button for at least 1 second and then release, the LED indicator will lit up. Now the user needs to press the button from the remote control, and the buzzer sounds a short beep, which means the programming is successfully, and the digital LED will show the quantity of that remotes were learned.

After the user pressed the learn button, within 8 seconds, if the controller doesn't receive the signal from the remote, the controller's LED indicator will turn out andexit the code learning state.

Note: Due to the digital display only can show two digital numbers, if the controller already learned more than 99pcs remote, from the 100th remote, the digital display will show A to replace the ten and hundred digits. Such as the 100th remote will show A0, and the 101st remote will show A1. If the controller already learned more than 109pcs remote, from the 110th remote, the digital display will show b to replace the ten and hundred digits. Such as the 110th remote will show b0. And the 120th remote will show C0.
Max capacity: 128pcs remote. If the digital LED show "- -" with a buzzer short beep 5 times, then means can not learn more remotes.

● Erase the remote: Press and hold the learning button for 6 seconds, until the buzzer sounds a long beep, then release the button, and the digital display show "00". Now all remotes can not control the gate.

11. Control board function description

Item	Description
Power on	After the control board powered on, the buzzer will sound, and the digital display will show model number and version,and the state indicator LED will lit up.
Open/close gate indicator LED	While the gate opener work normally, opening the gate will turn on blue, close the gate will turn on red.
Auto travel learning	The newly installed motor needs to operate the auto travel learning once before the high and low speeds can be normally allocated. After the auto travel learning completed, the gate motor will automatically allocated the high and slow speed. The high and slowspeeds for opening and closing can be set through the digital display menu. 1. Before starting the auto travel learning, the gate must be fully closed. 2. Enter the menu, select Pr, set 5, and confirm to start the auto travel learning. 3. The gate will automatically open and close to remember the travel time. 4. Setting Motor slow speed running time for opening and closing separately through the menu. The larger the value, the more slow speed running time. During the auto travel learning process, if any control occurs, such as RF control, Pedestrian terminal trigger, safety beam trigger, etc., the auto travel learning will be interrupted and the learning operation needs to be restarted. If the auto travel learning fails halfway, the buzzer will sound twice, and the learning will be long once if the learning is successful.
Setting slow speed running time	After completed the auto-travel learning, the gate opener will automatic set the slow speed running time for opening and closing from 0 - 5 levels. The bigger the value is, the more slow speed running time. 0 means No slow speed running time.

Overcurrent	The overcurrent function can achieve an anti-smashing car. While the gate is opening, it detects the overcurrent and stop. If the gate is closing and detects the overcurrent, the user can set different response modes through the digital display menu. 0: reverse back to the opened position. 1: reverse to open the gate for 1 second. 2: reverse to open the gate for 3 seconds. 3: stop. Setting overcurrent for opening and closing the gate through the digital display menu.
Limit switch mode	1. When the gate is fully opened/closed, and trigger the limit switch, the motor will auto stop. 2. The control board support to work with NO and NC limit switch, and can set the limit switch mode of NO and NC mode through the digital display menu. 3. The control board can switch the limit direction through the digital display menu. When the digital display show "Lr" means the limit switch detect a bug (limit error). Please check whether the limiter is damaged or in poor contact, or whether the normally open and normally closed mode (menu F0) set by the system does not match the actual limit switch type.
Safety beam mode	The safety beam mode can be be selected by menu, the default mode is 0, it is normal open mode. 1. While the gate is closing, if the Ph terminal is triggered, the gate will reverse back to open. 2. If set the auto-closing timer after fully opening, after the safety beam signal is gone, the gate will be auto-closed. 3. If the safety beam signal exists, the gate closing action will not be executed and the auto-closing timer after fully opening will always be reset.
Auto-closing timer for fully opening	1. The auto-closing function is only triggered after the gate is fully opened. 2. Auto-closing timer for fully opening can be set through the digital display menu. 3. When auto-closing timer start to countdown, the STATE LED will flash one time each second. 4. When the gate is fully opened and in the countdown for closing, if there is a button on the remote control is used to cancel theauto-closing command, the user can operate it to cancel the auto-closing timer. Note: Cancellation only cancels this time, and the gate can be auto-closing next time when it is fully opened.
Flash Lamp Mode	The digital display menu can set the lamp work mode. Mode 0: Flashing light and motor will operate and stop at the same time. Mode 1: Flashing light will turn off 30 seconds after the motor stop. NOTE: No matter you choose the mode 0 or mode 1, when the gate is on the auto-closing timer countdown statue, the lamp also will light on.
Maximum motor working time protection	If motor running with a high speed and more than 90s or running with a slow speed and more than 30s, the motor will stop running for protection.
Setting of start terminal	The start terminal can be setting with different function through the digital display menu. 0: Open-Stop-Close.....(factory default) 1: Pedestrian Open-Stop-Close. 3: Close only. 2: Open only. 4: Stop only

Setting of open terminal	The open terminal can be setting with different function through the digital display menu. 0: Open-Stop-Close... 1: Pedestrian Open-Stop-Close... 3: Close only. 2: Open only.(factory default) 4: Stop only.
Setting of close terminal	The close terminal can be setting with different function through the digital display menu. 0: Open-Stop-Close... 1: Pedestrian Open-Stop-Close.... 3: Close only.(factory default) 2: Open only. 4: Stop only
Setting of card terminal	The swipe card terminal can be setting with different function through the digital display menu. 0: Open-Stop-Close..... 2: Open only.(factory default) 1: Pedestrian Open-Stop-Close... 3: Close only. 4: Stop only. After the user trigger the mode 2 to make the the gate is fully opened, it will trigger the auto-closing timer for swipe card. The auto-closing timer can be set through the digital display menu.
Pedestrian mode	The remote button and Pedestrian terminal can trigger the Pedestrian mode, the gate will partially open then stop, not fully open. This mode is convenient for users walking in and out. The pedestrian mode work with " open-stop-close-stop..." The Pedestrian mode timer and auto-closing timer after Pedestrian mode can set through the digital display menu.
Upgrade control board system by USB device	1. Before you upgrade the system, please confirm the U disk document isFAT32 or not. If not, please format the U disk as FAT32. 2. Copy the upgrade file into the root directory of the U disk and name it EGB-18.bin. 3. Insert the U disk into the upgrade module, and then connect the upgrade module to the USB port. 4. Enter the menu, select the Pr and set 5, and confirm. At this time, the system will restart, the digital tube will display UP, and the upgrade will begin. After the upgrade is completed, it will restart automatically.
Smart Module (optional)	Can add the smart module XH-SGC-WIFIBLE, and achieve the function of control the gate opener and adjustment, and so on. It has WiFi, Bluetooth and 2.4G control function. 1. Press and hold the Dec/Smart button for about 5 seconds, the buzzer will sound with 2 beeps, then release the button and enter the Bluetooth mode programming. 2. Press and hold the Dec/Smart button for about 10 seconds, the buzzer will sound a long beep, then release the button and enter the AP mode programming for WiFi controlling. 3. Press The Dec/Smart once, the buzzer will sound a beep, then release the button and enter the 2.4G mode programming for the USB cards. ● If the programming is successfully, the smart indicator LED will flash with 3 times. Otherwise, after 8 seconds, it will exist the programming mode automatically. ● If you want to remove the 2.4G USB cards, press and hold the Learn button for about 6 seconds, until the buzzer sound a long beep, then release it. Now all the remotes and USB cards are deleted. ● When the 2.4G USB card power on and enter the working range of the smart module, it will trigger to open the gate once. 4. The WiFi and Bluetooth function support to control the gate opener by phone APP. It also can add and manage the remote control, set and adjust the function, and so on. More details, please read the APP instruction.

12. Digital display menu setting

- Press and hold the [FUN] button for 3 seconds, and the digital display will indicate “A0”, then release the button, now the menu can be set to [INC+] and [DEC-] for increasing and decreasing numbers or values.
- After adjusting the value, press the [FUN] button to store the data, and the buzzer will beep one time to show the store successfully.
- After the menu setting is finished, press the [LEARN] button to exit the menu setting and close the display.

Item	Function description	Value	Factory default	Explanation
A0	Opening overcurrent setting in high speed	0-20 level	10	Opening overcurrent setting in high speed, the bigger the value is, the harder the motor to stop. Setting value from 0-20.
A1	Closing overcurrent setting in high speed	0-20 level	10	Closing overcurrent setting in high speed, the bigger the value is, the harder the motor to stop. Setting value from 0-20.
A8	Overcurrent sensitivity	0-3 level	0	The bigger the value is, the longer the overcurrent sensing time is. Setting value from 0-3.
A9	Overcurrent reaction	0-3	0	Setting overcurrent reaction of gate: 0: Reverse back to the end. 1: Reverse back 1 second and stop. 2: Reverse back 3 seconds and stop. 3: Stop.
B0	Setting slow speed running time for opening	0-5 level	2	Used for setting the slow speed running time of the gate opening, gate will run in slow speed within this setting, then change to high speed with its rest travel. Setting from 0-5 seconds.
B1	Setting slow speed running time for closing	0-5 level	2	Used for setting the slow speed running time of the gate closing, gate will run in slow speed within this setting, then change to high speed with its rest travel. Setting from 0-5 seconds.
C0	Auto-closing timer for fully opening	0-99 seconds	0	Setting from 0-99 seconds, 0 means No auto-closing for fully opening.
C1	Auto-closing timer for swipe card	0-99 seconds	0	Setting from 0-99 seconds, 0means No auto-closing for swipe card terminal triggering
E0	Pedestrian mode	0-15 seconds	6	0 means No pedestrian mode.
E1	Auto closing timer for pedestrian mode	0-99 seconds	0	0 means No auto-closing for pedestrian mode
F0	Limit switch mode	0-1	1	0： NC mode. 1： NO mode.
F1	Switch the limit direction	0-1	0	0: Default direction. 1: Switch direction.
F2	Safety beam mode	0-1	1	0： NC mode. 1： NO mode.
F3	Flash Lamp Mode	0-1	0	0: Flashing light and motor will operate and stop at the same time. 1: Flashing light will turn off 30 seconds after the motor stop.

Item	Function description	Value	Factory default	Explanation
G0	Setting of start terminal	0-4	0	0: Open-Stop-Close... 1: Pedestrian mode open-stop-close... 2: Open only. 3: Close only. 4: Stop only.
G1	Setting of card terminal	0-4	2	0: Open-Stop-Close... 1: Pedestrian mode open-stop-close... 2: Open only. 3: Close only. 4: Stop only.
G2	Setting of open terminal	0-4	2	0: Open-Stop-Close... 1: Pedestrian mode open-stop-close... 2: Open only. 3: Close only. 4: Stop only.
G5	Setting of close terminal	0-4	3	0: Open-Stop-Close... 1: Pedestrian mode open-stop-close... 2: Open only. 3: Close only. 4: Stop only.
J2	Switch the motor operation direction	0-1	0	0: Default direction. 1: Switch direction
L1	Button A function (Remote control)	0-6	1	0: No function. 1: Open-Stop-Close... 2: Pedestrian mode. 3: Open only. 4: Close only. 5: Stop only. 6: Turn auto close off via remote.
L2	Button B function (Remote control)	0-6	0	0: No function. 1: Open-Stop-Close... 2: Pedestrian mode. 3: Open only. 4: Close only. 5: Stop only. 6: Turn auto close off via remote.
L3	Button C function (Remote control)	0-6	0	0: No function. 1: Open-Stop-Close. 2: Pedestrian mode. 3: Open only. 4: Close only. 5: Stop only. 6: Turn auto close off via remote.
L4	Button D function (Remote control)	0-6	0	0: No function. 1: Open-Stop-Close. 2: Pedestrian mode. 3: Open only. 4: Close only. 5: Stop only. 6: Turn auto close off via remote.
Pr	Trigger auto travelling learning	0-10	0	Setting from 0-10. Set 5 will trigger the auto travel learning. 0 means No auto travel learning.
PU	Upgrade the system by USB device	0-10	0	Setting from 0-10. Set 5 will trigger to upgrade the system. 0 means No upgrade the system.
Po	Factory reset	0-10	0	Setting from 0-10. Set 5 will trigger to reset operation. 0 means No reset.

Control Board Digital Display Information Show

1. When the gate is start to open, the digital display will show “OP”
2. When the gate is start to close, the digital display will show “CL”
3. After the gate stop moving, the digital display will show “--”
4. When the gate moves to the full open limit, the digital display will show “LO”
5. When the gate moves to the full close limit, the digital display will show “LC”
6. When the PED mode is activated, the digital display will show “PD”
7. After the motor trigger the overload protection, the digital display will show “OH”
8. After the photocell is activated, the digital display will show “PH”
9. After the loop is activated, the digital display will show “LP”
10. When the limit switch broken or has a bug, the digital display will show “Lr”
11. Cancel the auto-closing, the digital display will show "CC"

13. Smart module instruction

Search “XHouse IOT” and download it from Google play or App Store

FOR Android & IOS

- Or scan this QR code for download APP “XHouse IOT” and install it. Register the account for “XHouse IOT”and log in.
- **Add the device**

Step 1. Power on the device, open the APP. Press the “⊕” on the top right corner to add the device, then select the “ Sliding Gate ” which has a orange circle on the top right corner. (Fig 1 and 2)

★ If there has a gray circle on the top right corner, that means the device already be added. The user need to press and hold the “Dec/Smart” button for about 5s on the control board, then repeat the step 1.

★ If there has a message “Please enter distribution network mode and add devices”, the user need to press and hold the “Dec/Smart” button for about 5s on the control board, then repeat the step 1.

Step 2. Select the Wi-Fi, click the “Connect” and enter the password.(Fig 3) (If there hasn’t Wi-Fi can be connected, the user also can select the “ Bluetooth Add ” and use the Bluetooth function to control the gate nearly. Please follow the step 4).

Step 3. Add the device successfully. The user can modify the name of the device and button from the “⚙”on the top right corner. (Fig 5)

Step 4: Bluetooth Add: When using Bluetooth mode control, the mobile app must be close to the device within Bluetooth range to connect and control, and only one user's phone can be connected at a time. (Fig. 3 and 4).

Fig 1

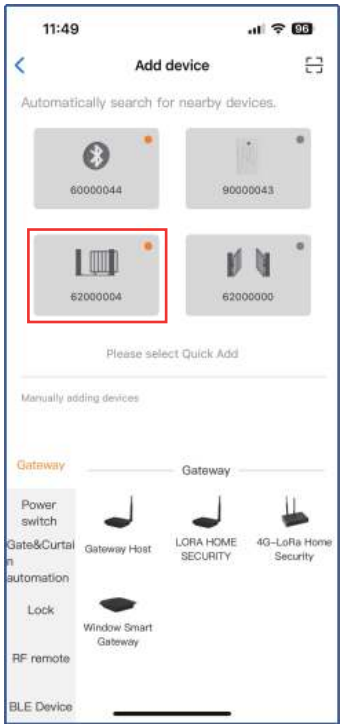


Fig 2

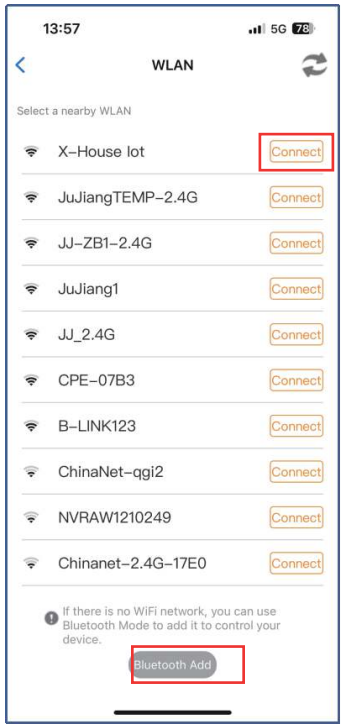


Fig 3

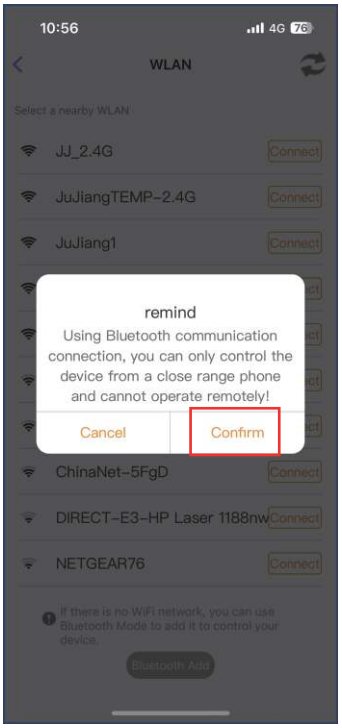


Fig 4

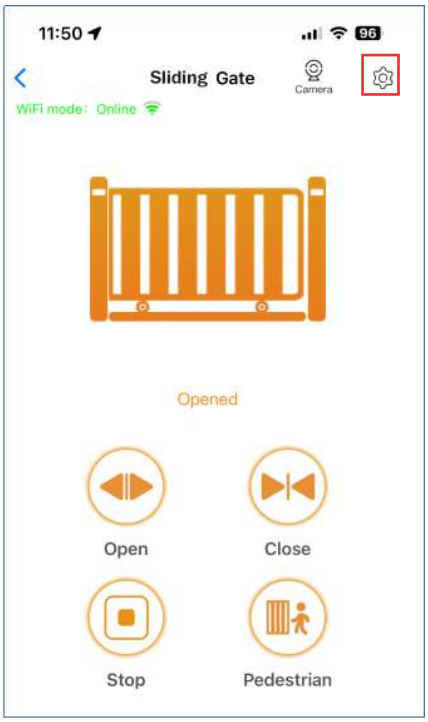


Fig 5

- **Device supports WIFI and bluetooth working mode**

★ When the device is connected to WiFi network successfully, it supports remote control and settings the device through the mobile phone APP.（Fig 5）

★ When the device is offline or the mobile phone has no network, if the user is nearly the device within 10 meters, and open the APP, it will automatically switch to the Bluetooth mode to control the device. (Fig 6)

★ The device will establish a Bluetooth connection with the mobile phone to achieve close-range Bluetooth control (only one user's mobile phone can establish a Bluetooth connection at the same time).

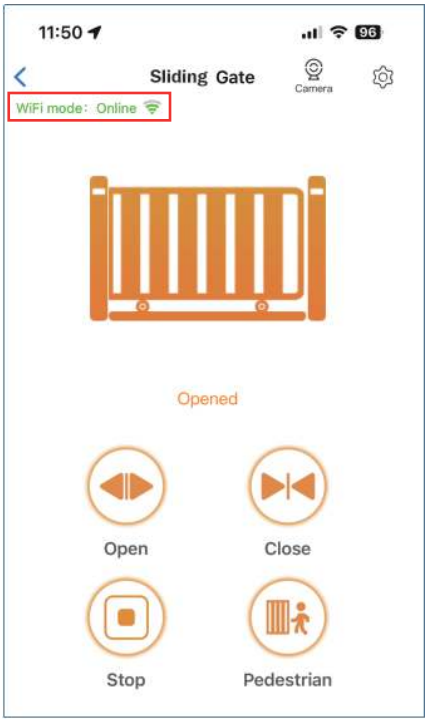


Fig 5

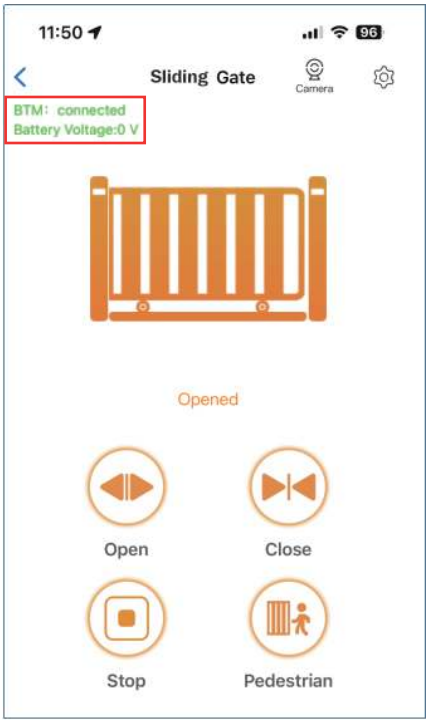


Fig 6

● **Switch WiFi network or bluetooth mode**

If the user need to switch to use a new WiFi network or want to switch control mode from the Bluetooth mode to WiFi mode, please follow the steps.

Step 1. Select the device, press the “⚙”on the top right corner. Click the “ Set/Modify WiFi ”. (Fig 7)

Step 2. Select the new WiFi and connect it. And click the “Refresh”. (Fig 8)

Fig 7

Fig 8

● **Share the device**

Step 1. Open the APP, select the device. Press the “⚙” on the top right corner, then select to “Sharing device”, will create a QR code. (Fig 9)

Step 2. The new user download the APP and open it, Press the “Scan” on the top right corner to scan the QR code. (Fig 10)

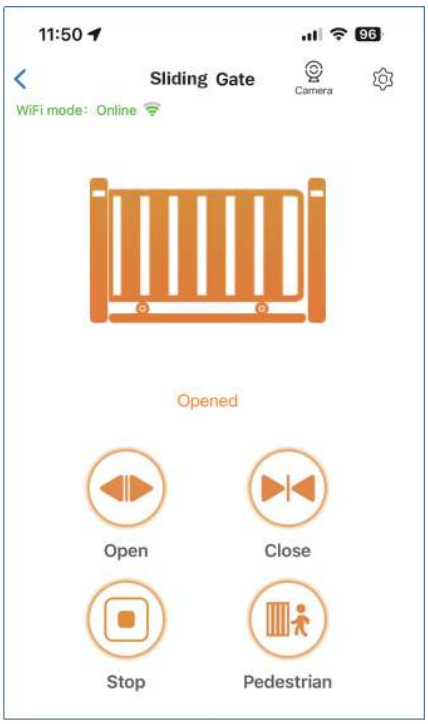


Fig 9

Fig 10

● Device settings

The user can set the parameters from the APP for the control board.
Step 1. Select the device, press the “⚙”on the top right corner. Click the “ Setting ”. (Fig 11)

Step 2. Set the parameters on the APP. (Fig 12)

Note: While the user want to set the parameters, the device must connect with the Wi-Fi. If not, the user need to use the Bluetooth function and put the phone app as close as the device to set the parameters. After done, please click the “Sync” button.

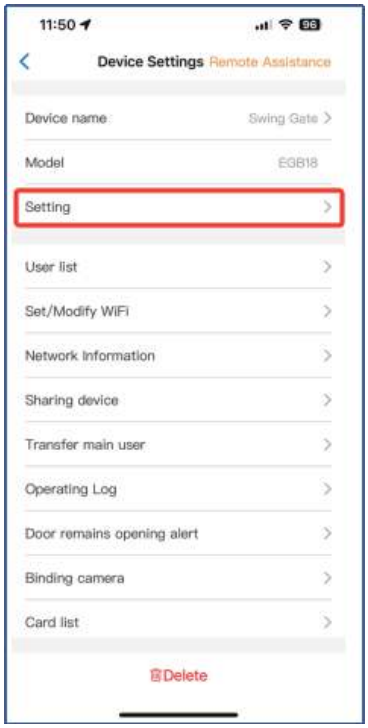


Fig 11

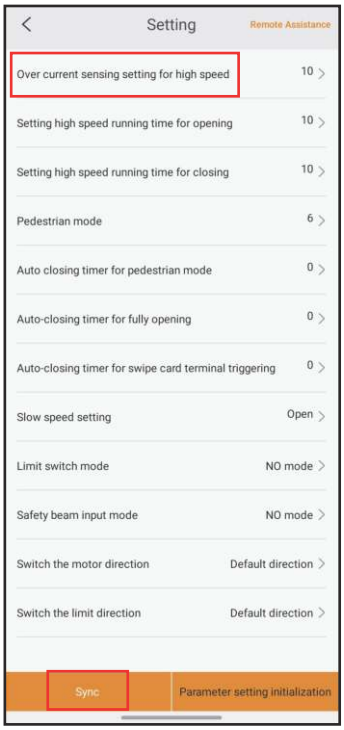


Fig 12

● Remote assistance

When your equipment fails, the parameter settings need to be readjusted. At this time, you can directly initiate the “Remote Assistance” button and share the QR code or verification code with your installation service provider for the remote service.

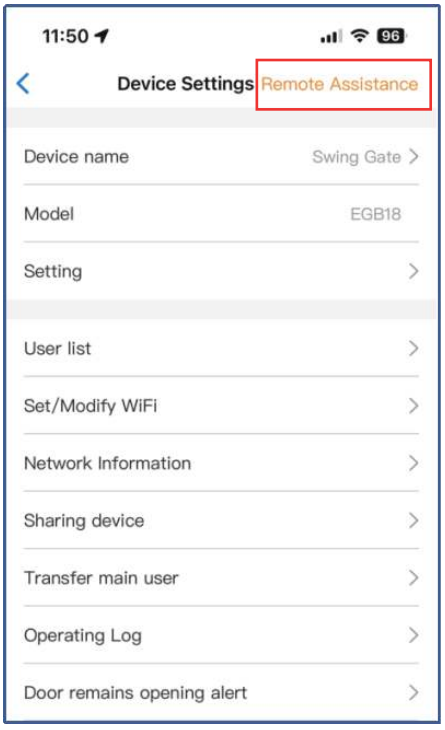


Fig 13

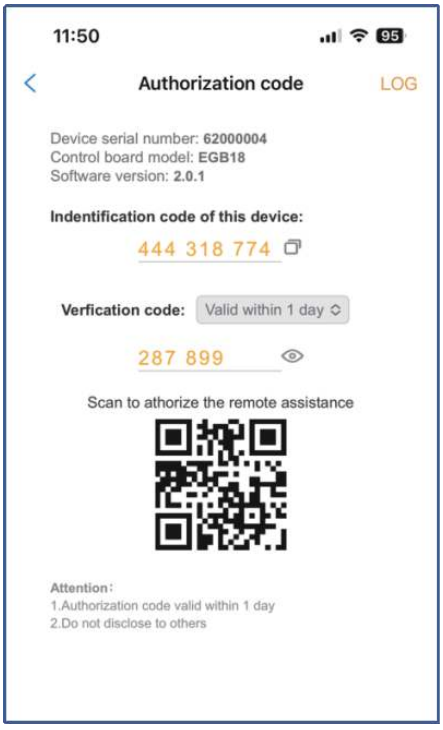


Fig 14

● Add USB card / RF remote control from a distance

When the user need to add a RF remote control or a USB card to open the gate, you can use the “ Add Card / Remote Control ” function to do it, and scan the QR code from the remote control or enter the ID number for the USB card. Don’t need to open the control box to program them.

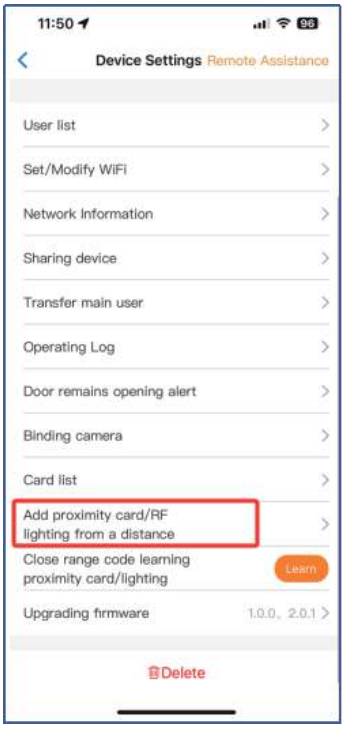


Fig 15

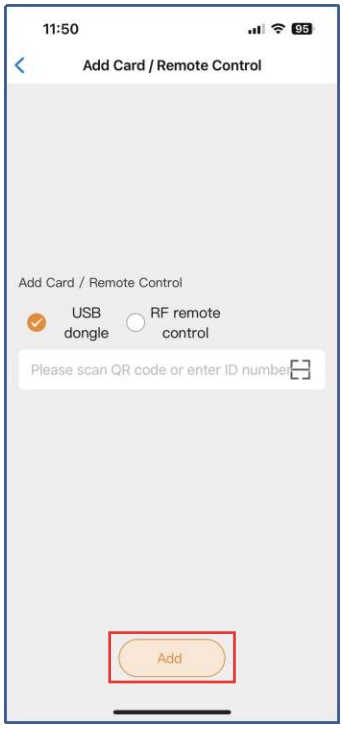


Fig 16

● Add USB card/RF remote from the close range

When the user needs to add an RF remote control or USB proximity card to open the door, you can directly use the "Add proximity card/RF remote control" function, click the "Learn" button, and click “ Start Learning ”. Don’t need to open the control box, and the control board will enter the code learning state, and then press the remote control button or power on the USB card to transmit a signal.

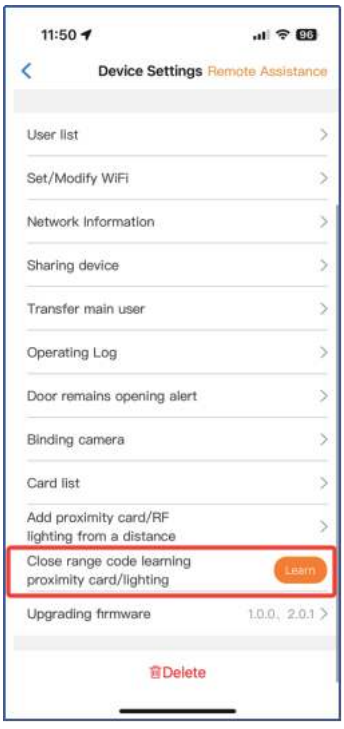


Fig 17

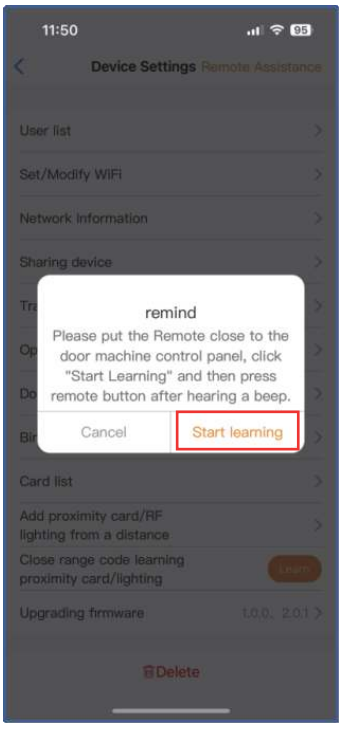


Fig 18

● **Management of the USB card and RF remote control**

The card list can management your USB card and RF remote control. The user can sync all the cards and remotes to the card list for management, and delete it when they are no longer needed or lost.

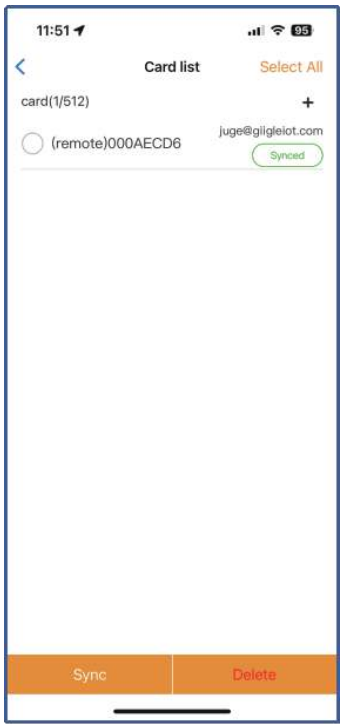


Fig 19

● **Binding with camera**

Step 1. Open the APP, select the device. Press the “⚙” on the top right corner, then select to “ Binding camera ”.

Step 2. Select the “ IP camera ”, and press the “ OK ” to confirm it.

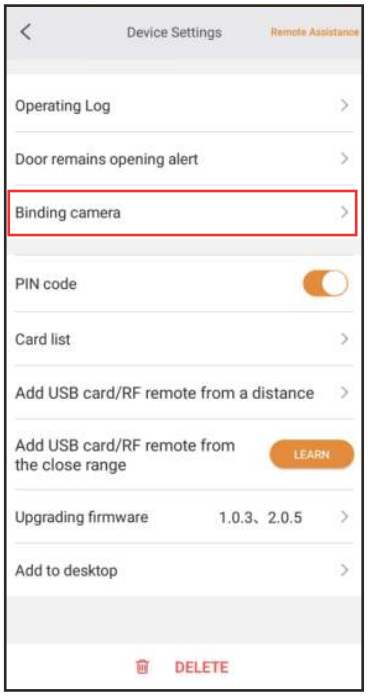


Fig 20

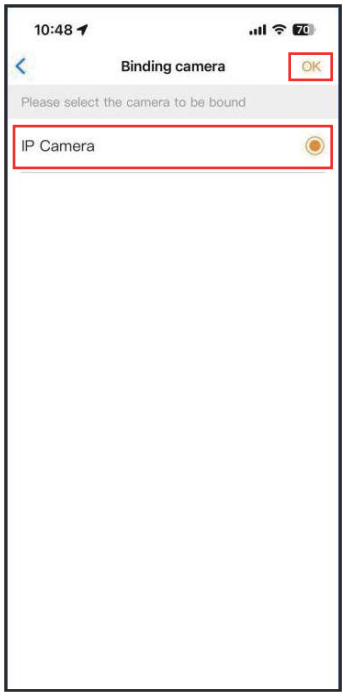


Fig 21