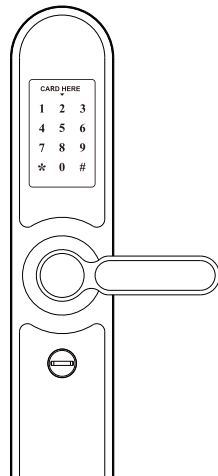


Operation Manual



Smart Home Security System - Electronic Lock

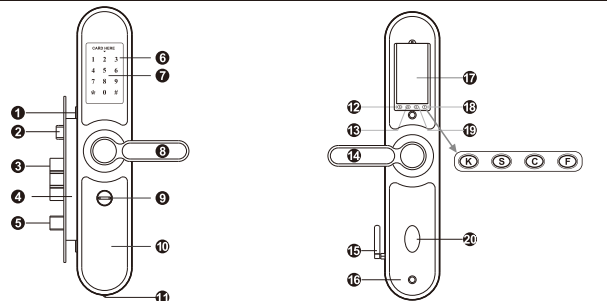
Product Features

- Full stainless steel 304 panel. Full stainless steel lock body.
- Anti-theft lock cylinder
- Toughened glass touch panel with 8X intensity.
- Remote control and alarm via wireless network.
- One-key set protection: support multiple protection mode, take photos and record video send to email forensics
- Multiple door-opening methods: support password/IC card/remote control/mobile phone & computer terminal platform/mechanical keys.
- Low power alarm
- Emergency power port

Product Parameters

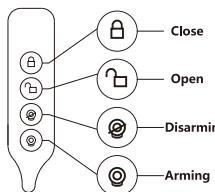
Working current : < 180mA
 Quiescent current: < 50uA
 Working time: 8-12 months or 15000 opening (8PCS AAA batteries)
 Outside dimension: 415*78*20mm
 Working environment temperature: -20 -50°C
 Gross Weight: 5.9KG

Product Components

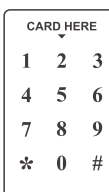


Front		Back	
1 Doorframe up&down fixing device	6 IC card induction area	12 Function key	17 Battery holder
2 Latch bolt	7 Password area	18 Function key	18 Function key
3 Main bolt	8 Outside handle	19 Inside handle	19 Function key
4 Electronic lock body	9 Keyhole	20 Wireless receiving antenna	20 Insurance knob
5 Insurance bolt	10 Panel (#304 SST)	21 Panel (#304 SST)	
	11 Emergency power port		

Handheld wireless remote controller



Touch Panel



Operation Instruction

Common Mode Operation

The initial management code is: 123456
Initial Password: 0000 (the digit of password is 4-12)
System restore factory settings:
 Press **[K]** **[S]** at the same time. After hearing 3 "Beeps", the system will restore the factory settings.

Modify the management code

Press **[K]** + **[S]** → Input (initial management code) 123456 + # , 2 "Beeps"
 ↓
 Input the new management code+ #, input again, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Modify successfully.

Modify the password

Press **[K]** One "Beep" → Input management code + # , 2 "Beeps"
 ↓
 Input new password+#, input again, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Modify successfully.

IC card management

IC card enrollment
 Press **[C]** One "Beep" → Input management code + # , 2 "Beeps"
 ↓
 IC card close to touch panel, hearing 3 "Beeps".
 ↓
 The front panel flashes 3 times. Enroll Successfully.

Single IC card deletion
 Press **[F]** + **[C]** → Input management code + # , 2 "Beeps"
 ↓
 IC card close to touch panel, hearing 3 "Beeps".
 ↓
 The front panel flashes 3 times. Delete successfully.

Delete all IC cards
 Press **[F]** + **[C]** → Input management code + # , 2 "Beeps"
 ↓
 Press *key on the touch pane, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Delete successfully.

Remote controller management

Enroll the remote
 Press **[S]** One "Beep" → Input management code+#, hearing 2 "Beeps".
 ↓
 Press **[N]** of the remote, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Enroll successfully.

Single remote deletion:
 Press **[F]** + **[S]** → Input management code + # , 2 "Beeps"
 ↓
 Press **[N]** of the remote, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Delete successfully.

Delete all remote
 Press **[F]** + **[S]** → Input management code + # , 2 "Beeps"
 ↓
 Press * key on the touch pane, hearing 3 "Beeps"
 ↓
 The front panel flashes 3 times. Delete successfully.

Bidirectional enrollment between IP camera and electronic locks

IP camera enrolled to electronic locks
IP camera enrollment:
 Enter IP camera terminal platform,click "Door" on standby
 ↓
 Input management code+#, 2 "Beeps"
 ↓
 Click "open" on platform,
 ↓
 Hearing 3 "Beeps" from lock, The front panel flashes 3 times. Enroll successfully.

IP camera deletion:
 Enter IP camera terminal platform,click "Door" on standby
 ↓
 Input management code+#, 2 "Beeps"
 ↓
 Click "open" on platform, hearing 3 "Beeps" from lock
 The front panel flashes 3 times. Delete successfully.

Electronic locks enrolled to IP camera

Arming enrollment
 Enter IP camera terminal platform,click "Security" on standby, then click "enroll"(3 seconds later)
 → Press **[E]** twice continuously, hearing 2 "Beeps"
 → Platform indicate "enrolled", enroll successfully

Operation Instruction

The security software default 2 locks enrollment, if enrolling number more than 2 locks, only retain two recent enrollment

NOTE All the enrollment should be finished within 10s after inputting management code.

Advanced mode operation

Opening method/Encryption mode modification

- [E]** +1+# After set successfully, unlock at any single door-opening mode.
- [E]** +2+# After set successfully, the system only support security mode unlock (joint use the IC card and password.)
- [E]** +3+# After set successfully, the system only support password unlock
- [E]** +4+# After set successfully, the system only support remote controller unlock
- [E]** +5+# After set successfully, the system only support IC card unlock

Fake pin code function (anti-peep)
 After press "#+ password+#" on touch panel, press down the handle, after hearing "Beep" to open the door. The user can add any numbers before or after the password at random with maximum not exceeding 48 digits.(Including the password).

The panel will be locked after 10 times mistake inputting (prevent simple code breaking)
After 10 times of mistake password inputting or the total length of the password exceeds 48 digits, the panel will be automatically locked for 5 minutes.

Anti-hostage key operation
 Under the status of arming, Press **[L]** "on remote controller to unlock but arming will not be off. The camera will take photos. If need to disarming, press **[M]** " button

Arming
 Touch Panel: Press #6666 * to start. Remote controller: press **[M]** " to start. Network: Click "arming" through the terminal platform

Disarming

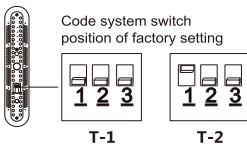
Support IC card eliminate
 Support password eliminate
 Support **[M]** key on remote controller eliminate
 Support "disarming" key in security platform of terminal software eliminate
 Not support mechanical keys eliminate
 Not support **[L]** key on remote controller eliminate.
 (Refer the anti-hostage key operation)

Special application mode

▲ Use with caution!
1. As showed in Figure T-1, the code system switch inside the back panel.
 A: **NO.1 code system switch downward:** indicates the infrared induction is valid. (Security protection function will be effective)
 B: **NO.2 code system switch downward:** indicates the temperature checking is invalid.
 C: **NO.3 code system switch downward:** indicates the channel mode is invalid.
2 As showed in Figure T-2, the code system switch inside the back panel.
 A: **NO.1 code system switch upward:** indicates the security protection function is invalid and can't detect illegal invasion.
 B: **NO.2 code system switch upward:** temperature mode is valid/escape channel: when the indoor temperature reaches above 50°C, door will unlock automatically.

The status restore requires re-power. Please use with caution

C: NO.3 code system switch upward: the channel mode is valid. Start up the channel lock. Press "#8888 *", open the door and not double lock. Press "#9999 *" to cancel. The channel lock mode relieves. Please repeat the steps at next use.



Warmprompts: If user needs to use the special application mode, please operate the code system switch before install the electronic lock.

Unlocking Operation Method

Password Unlock
 Press "#+ password+#", after hearing 2 "Beeps" press down the handle to open the door.

IC card Unlock
 Place the IC card close to the CARD HERE position. After hearing 2 "Beeps" press down the handle to open the door.

Remote controller Unlock
 Press **[M]** " on remote controller. After hearing 2 "Beeps", press down the handle to open the door.

Mechanical key Unlock
 Use a mechanical key and rotate the key clockwise to unlock. While rotate counterclockwise to double lock

Emergency use and cautions

Emergency power device function
 1. There is a 9V emergency power port at the bottom of the front panel for emergency use.
 2. When the battery in shortage and frozen condition or any other abnormal conditions makes the battery working failure, IC card and password is invalid, you can put the 9V battery to the emergency power port correctly, then unlock the door at any single way.
 3. You can use mechanical key unlock the door
 4. While the door unlock normally and before locking, BEEP alarm sound continually, in this situation means the lock in low battery.

Note: The battery still can be used for 15-30 days according to different conditions. Please replace the battery as soon as possible.

Normal failures and solution

Phenomenon	Reason	Solution
Card reading is not sensitive.	Distance is not suitable to the card area / Too low battery.	The distance shall be 1-3cm Replace new battery.
No response after replacing the battery.	Battery position not correct or wrong polarity.	Re-install the battery.
No response for card reading	Too low battery.	Install new battery / Use key unlock / Use emergency power
IC card damage.	Improper IC card maintenance.	Replace new card.
Remote controller failure.	Not enrolled/Too low battery.	Enroll/Replace new battery.

INSTALLATION AND STEPS

First, paste the trepanning template to the corresponding position, then according to the template to perforate.

1. Install the lock body

Put the lock body into the installation slot. Put the wire via the upper hole to inside door. Put the doorframe fixing device into the lock rod (Figure 1-1).

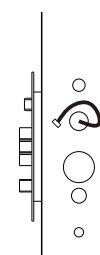


Figure 1-1

Fix the lock body with 4pcs screw (Figure 1-2).

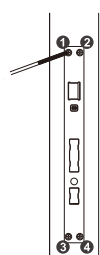


Figure 1-2

2. Install the cylinder.

Put the cylinder into the hole and fix with matched screw. (Figure 2-1).

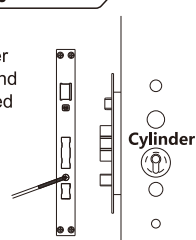


Figure 2-1

3. Install the front panel

Fix front panel with hexagon screw (Figure 3-1).

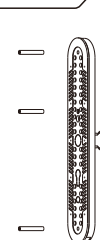


Figure 3-1

Sheathe the square rod with a spring and insert into the hole of the lock front handle (Figure 3-2).

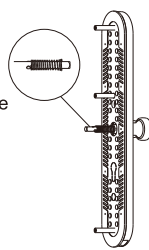


Figure 3-2

Put the wire of the front panel via the hole to the inside of the door. (Figure 3-3).

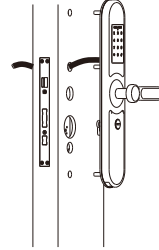


Figure 3-3

4. Install the back panel

Sheathe the square rod with a spring and insert into the hole of the lock back handle (Figure 4-1).

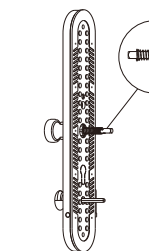


Figure 4-1

Connect wires of inside door with the wire of the back panel. (Figure 4-2)

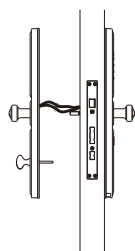


Figure 4-2

5. Screw up the handle

Insert the knob and the inside handle to the lock body. Fix with matched screw. (Figure 4-3).

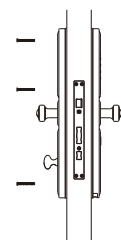


Figure 4-3

After install the lock, screw up the inner hexagon screw of the front and back handle with a standard socket head wrench. (Figure 5-1) (Figure 5-2)

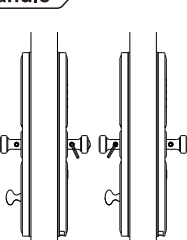


Figure 5-1 Figure 5-2

6. Install the battery

Pack the battery into the battery box according to the polarity then close the battery cover. (Figure 6-1)

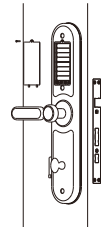


Figure 6-1

Screw up the cover. (Figure 6-2)

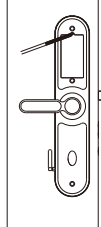
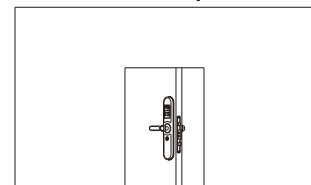


Figure 6-2

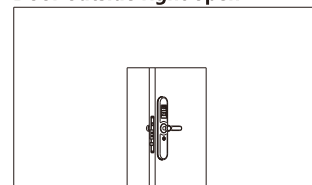
7. Install box striking plate & striking plate

8. Door opening direction

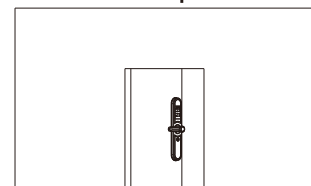
Door outside left Open



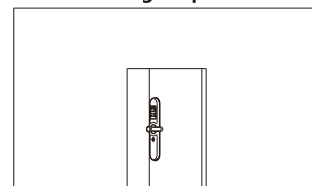
Door outside right open



Door inside left open



Door inside right open



Packing List

Name	FG2460	FG2461	FG2462
Lock panel	2PCS 1 Front 1 Back	Yes	2PCS 1 Front 1 Back
Lock Body	1PC	Yes	1PC
Cylinder	1PC	Yes	1PC
Battery charger	--	No	1PC
Mechanical key	2PCS	Yes	2PCS
Square rod	2PCS	Yes	2PCS
Remote controller	2PCS	Yes	2PCS
IC CARD	3PCS	Yes	3PCS
Screw	M5×75mm 3PCS	Yes	M5×75mm 3PCS
	M5×70mm 1PC	Yes	M5×70mm 1PC
	M5×16mm 6PCS	Yes	M5×16mm 6PCS
Hexagon wrench	2.5mm 1PC	Yes	2.5mm 1PC
	4.0mm 1PC	Yes	4.0mm 1PC
Joint Pole	3PCS	Yes	3PCS
Striking plate	1PC	Yes	1PC
Box striking plate	1PC	Yes	1PC
IP camera	1PC	Yes	1PC
Camera adapter	1PC	Yes	1PC
Net Cable	1PC	Yes	1PC
Camera bracket	1SET	Yes	1SET
Camera screw	M4×25mm 2PCS	Yes	M4×25mm 2PCS
Trepanning template	1PC	Yes	1PC
Manual Guarantee card QC Certificate	1PC	Yes	1PC
Camera Manual	1PC	Yes	1PC
Lithium battery	--	No	1PC
Spring	2PCS	Yes	2PCS
AAA battery	8PCS	Yes	--

Note: Please forgive that accessories may be subject to any changes without additional notice.

Guarantee Card

Product type : _____ User name : _____
 Product color : _____ User phone : _____
 Product Barcode : _____ User postcode : _____
 Purchase Date : _____ Door opening direction : Inside Outside
 Distributor Phone : _____ Door handle direction : Left Right
 Purchase address : _____ User address : _____

Maintenance Record :

This card will be effective after being stamped.



Product type: _____
 Product barcode: _____
 Inspector No.: _____
 Ex-factory Date: _____