

SL3601 Smart Lock

User Manual for Adding APP

I. Product description

A WiFi smart module is installed in a smart device, through which the smart device connects to the home WiFi network to realize the information interconnection between the smart device and the APP of mobile phone.

When the APP is used for the first time, you need to register an account with your mobile phone, and the account can backup the relevant configuration so that the configuration can be restored automatically when the mobile phone is replaced.

II. Quick setting

2.1 Download YouZhiYunJia APP (YZYJ APP): you can download YZYJ APP by any of the following methods.

(1) Scan the following QR code to download YZYJ APP.



(2). Search "YouZhiYunJia" in the application store and download the App.

2.2 Add smart fingerprint lock

(1). Open YZYJ APP and register an account for login.

(2). Power on the smart door lock, enter the administration mode, select "Networking Settings", and then select "Add Mobile Phone" to enter the connection mode.

(3). Make sure the mobile phone is connected to WiFi, open YZYJ APP, log in it, tap "Add Device", and add it according to the indication on the mobile phone interface in the following way:

Tap "Door Lock" and then tap "Next". Set the graphical password twice according to the indication to enter the distribution network status. After entering the WiFi password, tap "Next". When the connection is successful, an indication will display on the screen after two beeps, showing "Add Success" and the ID number of the mobile phone user. Please memorize the user ID which is the proof to unlock the door remotely in the future.

★ Notes: The smart door lock and the connected mobile phone must be in a same Wi-Fi network environment for distribution network. If the distribution network fails, please check whether the router is connected to the network and whether the Wi-Fi name or password is correct, and then reinitialize the hardware equipment and add it again on the APP.

III. Basic use

3.1 View record

Tap "Door Lock" to view the Door opening and alarm records.

3.2 Remote unlocking

(1) Wake up the door lock panel, and there will be an indication "Please enter the mobile phone number" after pressing "8+#", and then enter the ID number allocated when the addition is successful and press the "#" to confirm it.

(2) At this moment, the mobile phone will receive a remote indication for unlocking. Tap "OK" to display a Sudoku interface for entering the password, and then enter the graphical password entered when it was added.

Note: Each key of your smart lock can be named independently.

3.3 Configuration of backup and restore

YZYJ APP supports the backup and restore of configuration files, and can synchronize the configuration of the APP on different mobile devices with a same registered account, including the device list and other information. The operating steps are as follows:

Enter the page "Me" and tap the menu "Backup" or "Restore". "Backup" means to upload the configuration on the APP to the cloud server, and "Restore" means to download the configuration on the cloud server to the APP.

IV. Function description

After completing the quick settings in the manual, you can start a new smart life.

4.1 Key administration

The electronic keys such as fingerprint and password can be added to the smart lock, and they can be named on YZYJ APP.

4.2 Door opening records

The information of opening the door each time will be pushed to YZYJ APP, so that you can always know the information that your family enters and goes out of the door.

4.3 Low battery reminder

When the electric quantity of the smart lock is too low, YZYJ APP will remind you to replace the battery in time.

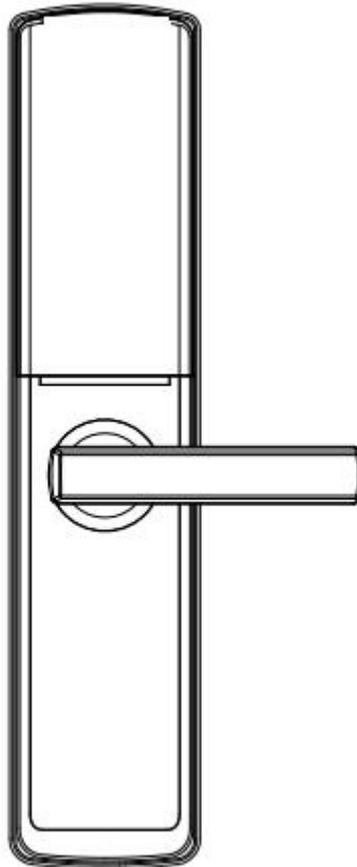
4.4 Basic parameters

Product model: smart WiFi module

Working temperature: -10°C-+55°C

Working humidity: 0-90%RH

SL3601 Smart Lock



User Manual

Instructions and verification manual

Dear users, welcome to use this smart lock. Please check the product list carefully and read the operating manual before you install and use the product. Please choose professionals to install the door lock and operate it according to the installation standard provided by our company. Don't disassemble and assemble the door lock without permission, and protect relevant sealing signs so as to avoid unnecessary troubles during the quality maintenance period.

★ Instructions

1. In the initial state, the door can be unlocked by any fingerprint and any 6-12-digit password. Please complete the registration as soon as possible after the smart lock is debugged as qualified.
2. There are 199/170 fingerprints: 10 groups of Administrator fingerprints (ID 001-010), 160 groups of user fingerprints (ID 011-170), and 0/29 groups of temporary fingerprints (ID 171-199).
3. There are 10 groups of passwords (the valid digit number of passwords is 6-12), including a group of administrator passwords, and 9 groups of temporary/user passwords.
4. There are 100 groups of cards (ID 001-100).
5. There are 4 types of unlocking methods: fingerprint, password, mechanical key, and card (optional).
6. There are two power supply modes: the main power supply (4 AA batteries, the normal service life is 1 year); the standby power supply (when the batteries run out) which is connected with USB.
7. Safety button: This button has the function of preventing the cat eye when it is enabled, and the door can't be opened inside. When it is disenabled, the function of preventing the cat eye will fail, but the door can be opened normally by pressing the handle inside.
8. The unlocking permissions are shown in the following table:

Type	Unlocking permissions				
	Common mode (password/fingerprint)	Fingerprint + password unlocking mode	Fingerprint + fingerprint unlocking mode	Back locking mode	Channel mode
Administrator fingerprint	√	√	√	√	√
Administrator password	√	√	×	√	√
User fingerprint	√	√	√	×	√
Temporary fingerprint	√	×	×	×	√
Temporary password	√	×	×	×	√
Card (optional)	√	×	×	×	√
Mechanical key	√	√	√	√	√

★ Verification manual for successful installation

After the entire lock is installed, make sure that the following validation must be carried out and all validation items must be normal. The lock must be reinstalled if there is any wrong with any of them. Please contact the local customer service or call the service hotline of our company in time when necessary.

No.	Verification item	Verification method
1	Power-on test	Wake up the system by sliding the cover or touching the screen after installing four batteries.
2	Internal handle test	The door should be locked by lifting the internal handle, and unlocked by pressing the internal handle, and the handle should be pulled flexibly and returned smoothly.
3	External handle test	The door should be locked by lifting the external handle, but not unlocked by pressing the external handle, and the handle should be pulled flexibly and returned smoothly.
4	Safety button test	The door cannot be locked or unlocked when the safety button of internal handle

		pops up. At this moment, it can be locked by lifting the external handle back, and the safety button can be pressed after it is locked (must be sure).
5	Back locking test	When the back locking button is rotated horizontally, there will be a voice indicating "The door is locked back", and the triggler bolt can be controlled to pop up. When the button is rotated vertically, the display screen will display "The door is unlocked" and the triggler bolt can be controlled to retract.
6	Unlocking test	When the door is locked, enter the valid password or fingerprint to unlock the door by pressing the external handle when the indicator light is on in green. When the green indicator is off, it cannot be unlocked by pressing the external handle.

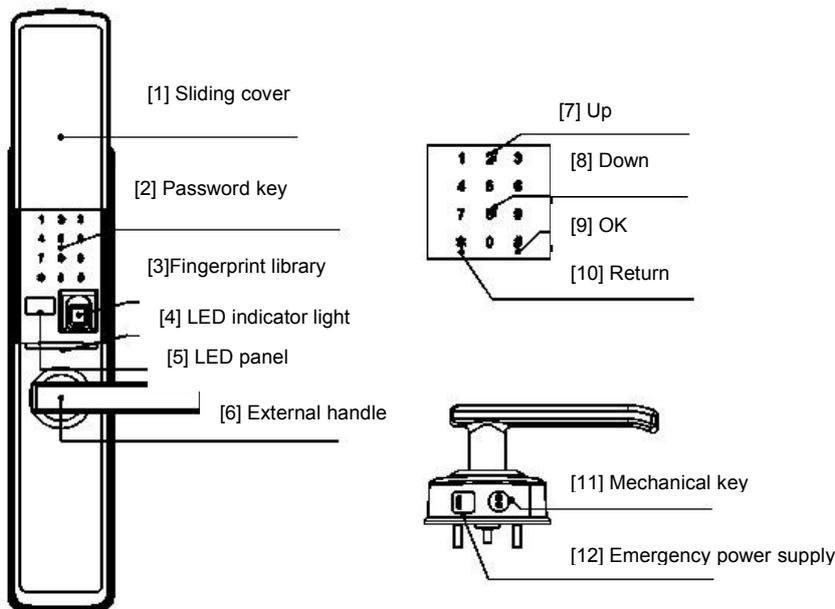
★ Common problems and solutions

The common problems and solutions are as follows:

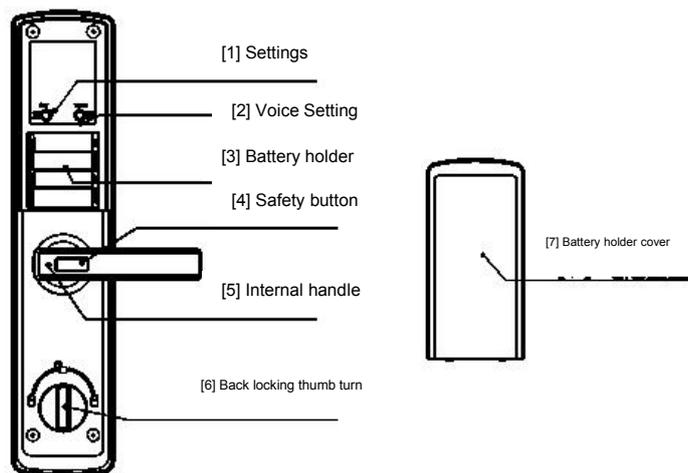
Common problems and solutions		
No.	Problem description	Solutions
1	After the fingerprint or password passes the verification, if the door is unlocked by pressing the handle, the external handle must be lifted first and then be pressed to open the door.	If the problem is caused by poor installation, please read the installation manual carefully and reinstall it again according to the installation steps to ensure that the lock center stays the same.
2	When the system is awakened every time and the system indicates that the door has been locked back, and it only can be unlocked by the Administrator fingerprint or password.	If back locking thumb turn is installed reversely, reinstall the internal surface plate. If the triggler bolt doesn't pop up, the back locking button shall be installed vertically.
3	The function of external handle is normal, but the internal handle is disabled.	If the square bar is too long or too short, cut the square bar again according to the thickness of the door. The length of the square bar is 1.5 cm thicker than the door.
4	Under normally-opened state, and the door can be opened by pressing the external handle without verification.	In case of wrong rotation direction of the front handle head, take down the front surface plate, rotate the black handle head by 180°, and reinstall it.

II Product drawing

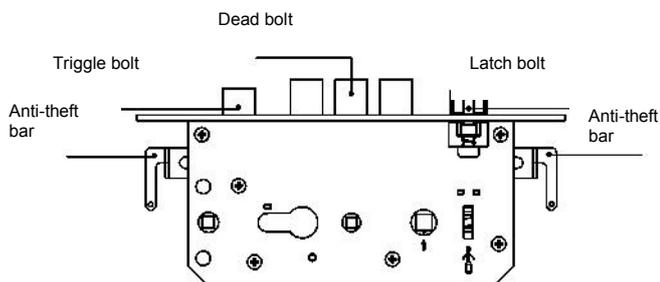
1. Components of external surface plate



2. Components of internal surface plate



3. Lock body



III Product list and installation exploded-view drawing

Please check the following list carefully after unpacking. If you find any omission, please contact our company or local agents in time.

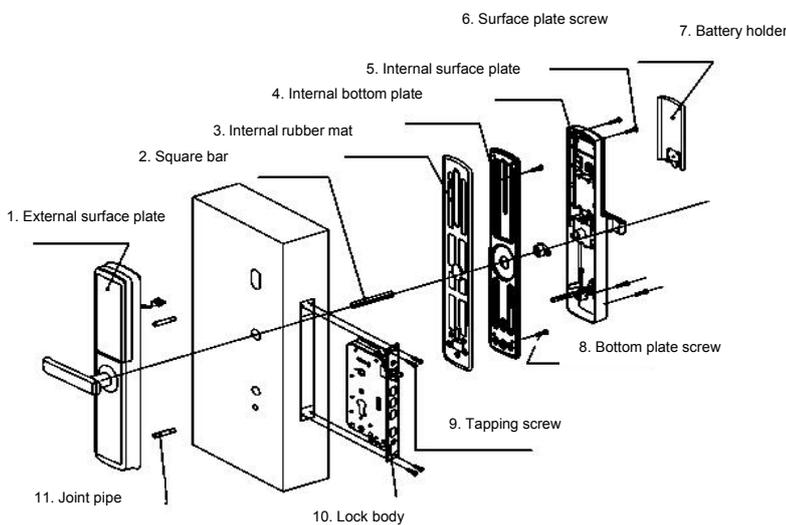
Product list			
No.	Designation	Quantity of each lockset	Remark
1	External surface plate	1	
2	Internal surface plate	1	
3	Internal bottom plate	1	
4	Internal rubber mat	1	
5	Lock body	1	
6	Screw kit	1	Refer to the following table for details
7	Box striking plate (striking plate) of wooden door	1	
8	Striking plate of anti-theft door	1	
9	Card (optional)	1	

Screw kit list (for the doors 40~90 thick)			
No.	Designation	Quantity	Remark
1	Cross countersunk head tapping screw	6	ST4.2X20 is used for installation of wooden doors
2	Cross countersunk head screw	8	M5X10 is used for installation of iron doors
3	Cross pan head screw	4	M5X15 internal surface plate is used to fix the internal bottom plate.

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4	Cross pan head external tooth two-combination screw	3	M5X35 is adaptive to 50~70mm thick doors
5	Cross pan head external tooth two-combination screw	3	M5X65 is adaptive to 70~90mm thick doors
6	Cross pan head external tooth two-combination screw	3	M5X25 is adaptive to 40~50mm thick doors
7	Square bar	1	
8	Back locking square bar	1	
9	Allen wrench	1	Used to fix external handle
10	Square bar guide holder (plastic part)	1	Used for installation guidance of internal bottom plate (must be used)
11	Surface plate screw stuffing hole	2	
12	Locating pin	1	Used to fix the back locking square bar
13	Joint pipe	3	Used to fix internal and external plates

Installation exploded-view drawing



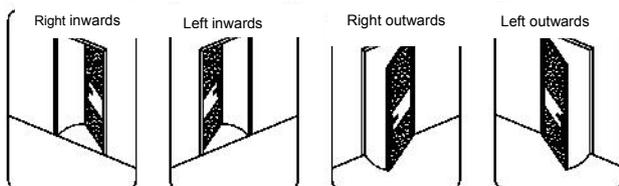
Notes:  This component is only used to install the positioning square bar, and it shall be removed before the installation of surface plate.

IV Installation instructions

1. Confirm door direction before installation

This smart door lock is applicable to the doors with four opening directions: left outwards, left inwards, right outwards and right inwards. Confirm the direction of the handle according to left or right opening, and confirm the direction of the latch bolt according to inwards opening or outwards opening.

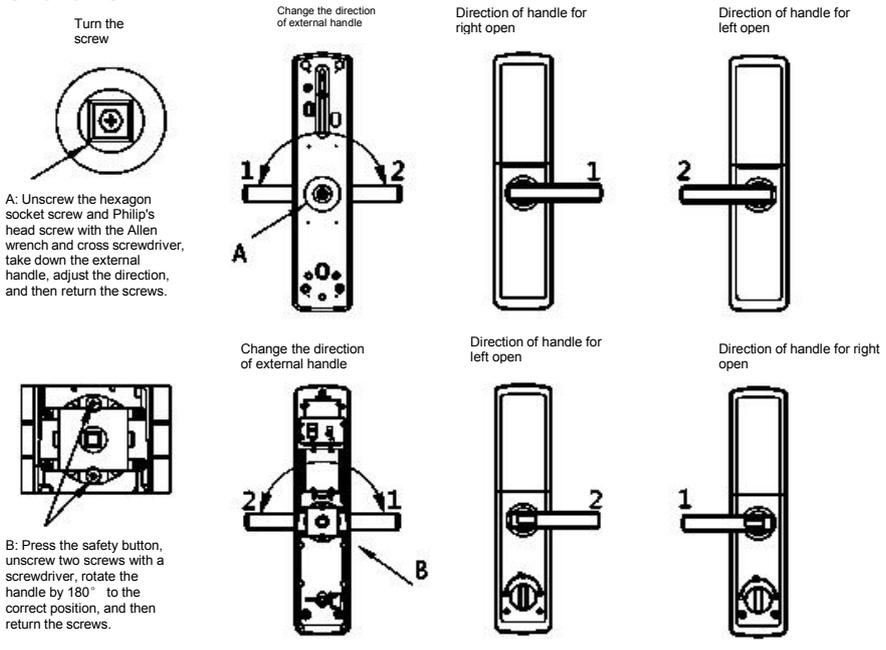
As shown in the following figures:



2. Change the direction of handle

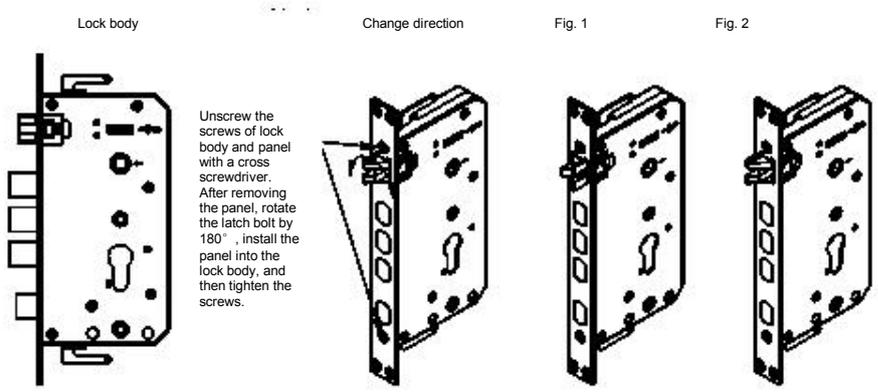
Unscrew the hexagon socket screw and set screw of the handle with the Allen wrench and cross screwdriver, pull out the handle properly, rotate it by 180° to the correct position, and then return the

screws. When opening the door right outwards or inwards, rotate the handle to No.1 position; when opening the door left inwards, rotate the left direction to No.2 position. The specific steps are shown as follows:



3. Change the direction of lock body latch bolt

When the door is opened right outwards and left inwards, the direction of lock body latch bolt is shown in Fig. 1; when the door is opened right inwards and left, the direction of lock body latch bolt is shown in Fig. 2. The specific steps are shown as follows:



Notes

1. Before installation, make sure to confirm the direction of opening the door and change the directions of handle and latch bolt according to the installation manual.
2. After installing the whole lock, open the front surface plate cover, enter any 6-12-digit password any fingerprint to simulate an unlocking action. If the lock body latch bolt and the dead bolt can be controlled normally by pressing the front handle when the LED indicator light is on in green, the installation is successful. Do not close the door outside before the successful installation.

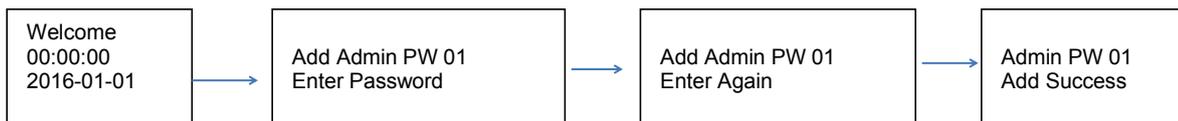
V Guidance for setting smart lock

1. Register the first Administrator password in the initial state

The door can be unlocked by any fingerprint or password in the initial state, so it is necessary to enter the Administrator password in time to enter the administration mode for the follow-up operations. The first Administrator password of this smart lock can be registered by pressing the setting key on the back surface plate. After operation, enter 6-12-digit password and press [#], according to the indication "Please Add Administrator Password". When the recognition is successful, there will be an indication "Enter Again". The password entered for the second time must be the same with the first time. When the password is added successfully, there will be an indication "Add Success" and the LED indicator light will be on in green. At this moment, you have been authenticated to be first owner of the lock, and you can continue to operate it. The specific operations are as follows:

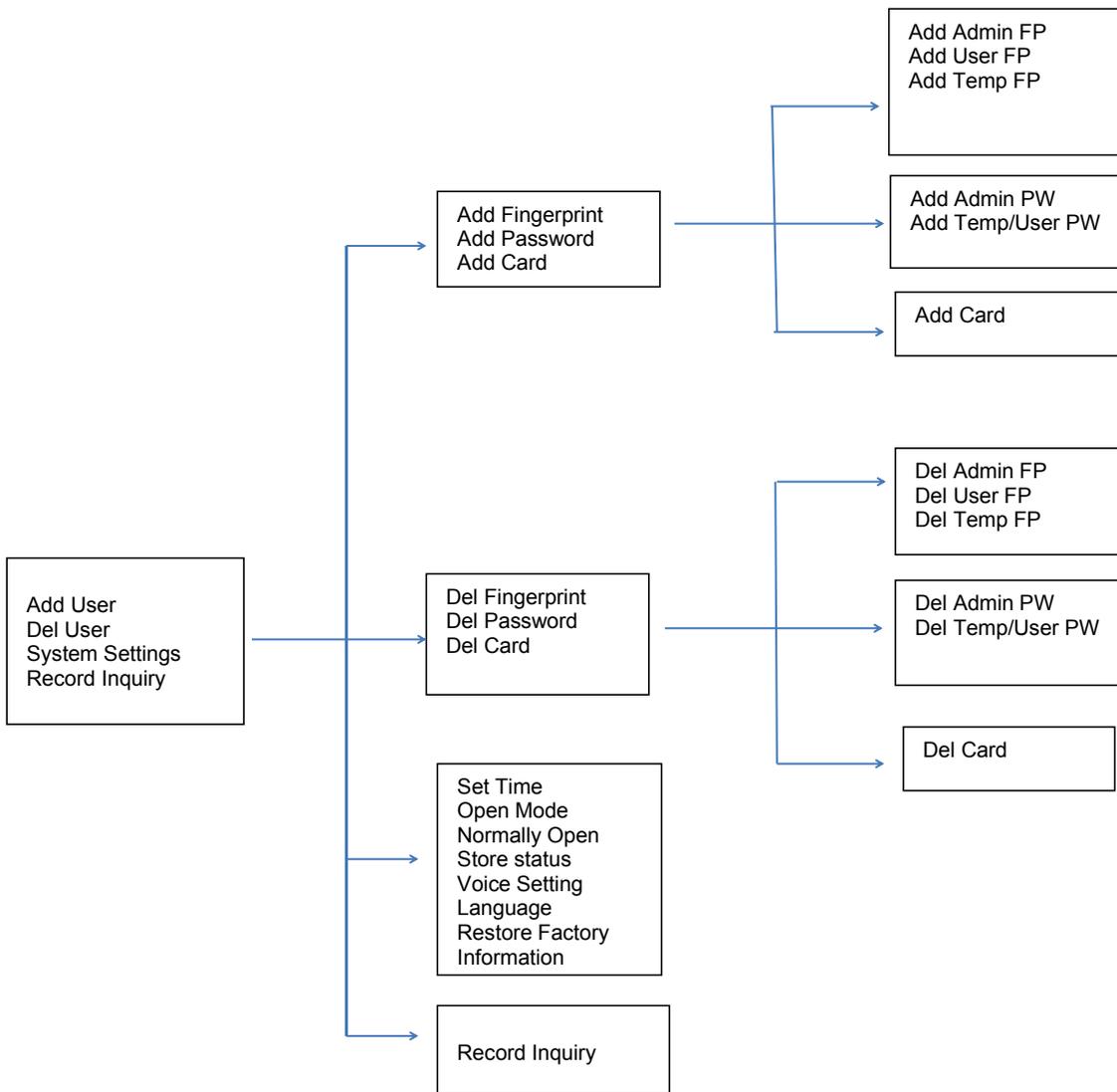


The specific adding process is as follows:



2. How to enter the administration mode and display the menu indexes

Open the sliding cover, press the setting key on the back surface plate, and there will be a voice indicating "Please Verify the Administrator Fingerprint or Enter the Administrator Password". Enter the Administrator password registered before to enter the administration interface. The concrete operations are similar to the steps of registering the first Admin fingerprint. The LCD menu indexes are as follows:



✓ Guidance for setting smart lock

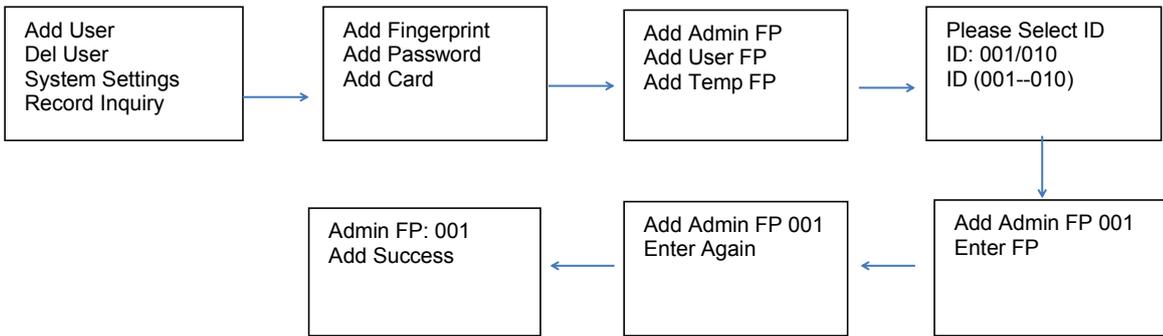
3. Add user

3.1 Add fingerprint

Enter the administration mode, and press the direction key to move the marquee up and down. Confirm the selection by pressing [#] when the marquee stays at [Add User]. Select [Add Fingerprint] by the same method. The smart lock can store 199/170 fingerprints (10 administrator fingerprints, 160 user fingerprints and 0/29 temporary fingerprints).

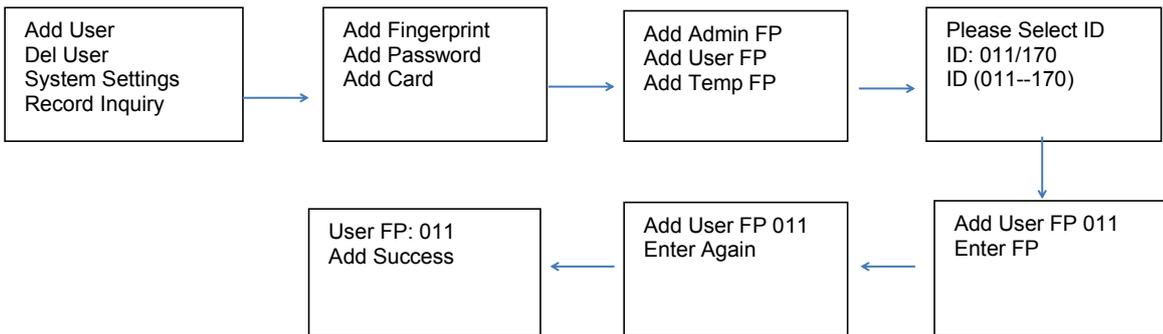
3.1.1 Add fingerprint

The Administrator fingerprints have the permission to enter the administration mode, under which the door can be unlocked in the common mode and security mode, and can be unlocked when it is locked back inside. Select the fingerprint ID to be added according to the direction key, and confirm it by pressing [#]. After successful addition, there will be an indication "Add Success" and LED indicator light will be on in green. The specific adding process is as follows:



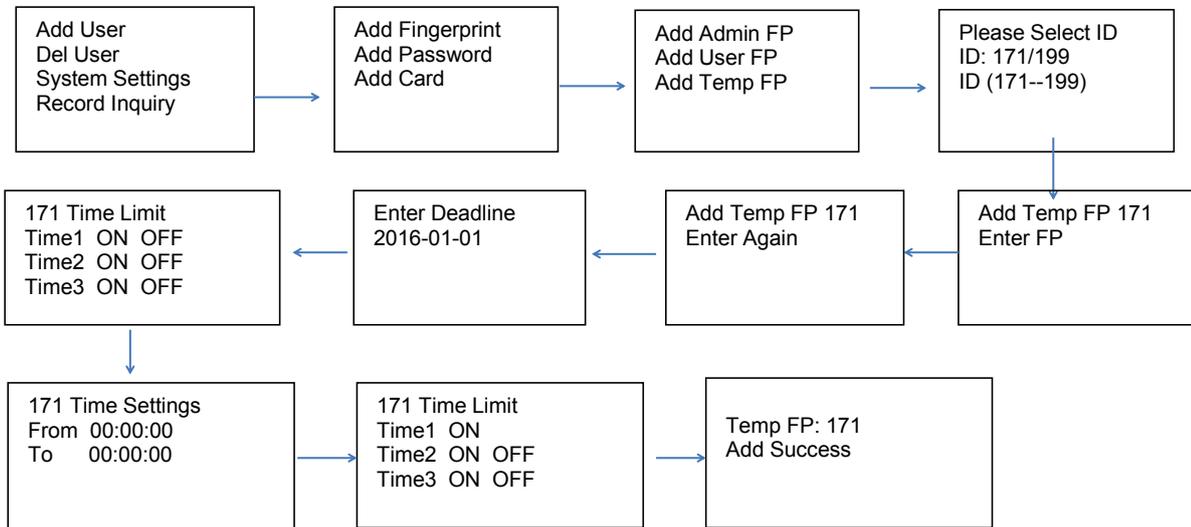
3.1.2 Add user fingerprint

The door can be unlocked by the user fingerprints only in the common mode and security mode, and the adding method is similar to that for adding the administration fingerprints. The specific adding process is as follows:



3.1.3 Add temporary fingerprint:

The temporary fingerprints are valid only before the deadline defined by you and the use time limits (the deadline and time limits can be passed and you can set 1-3 time limits). The door can be unlocked only in the common mode. The specific adding process is as follows:



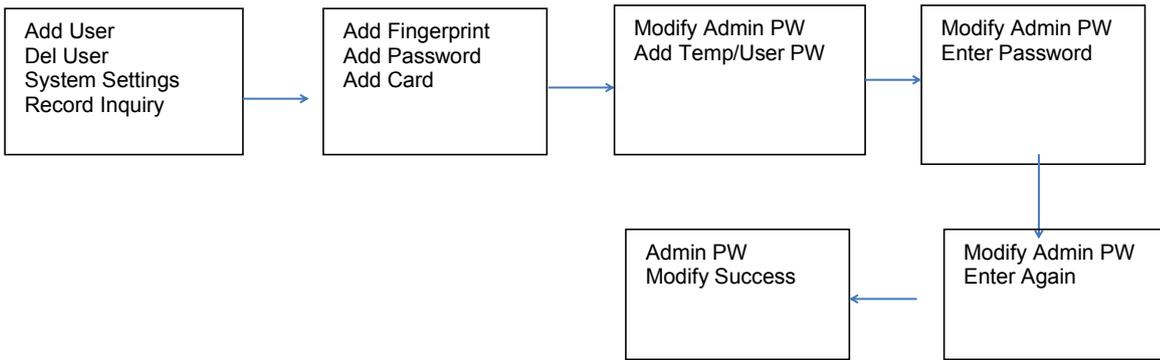
3.2 Add password

Enter the management mode, and press the direction key to move the marquee up and down. Confirm the selection by pressing [#] when the marquee stays at [Add User]. Select [Add PW] by the same method. This smart lock can store 10 passwords (1 administration password and 9 temporary/user passwords). The valid digit of passwords is between 6 and 12.

3.2.1 Modify the admiration password:

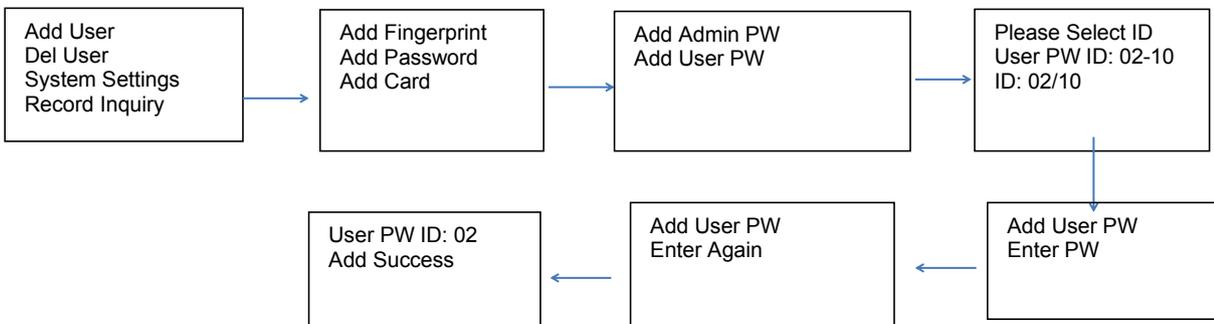
The administration password has the same permission as the Admin fingerprint. Because the first administration password was registered initially, now the administration password can be modified. Enter the new password twice, exactly the same both times. There will be a voice indicating "Modify Success" after the password is modified successfully. The adding process is as follows:

V Guidance for setting smart lock



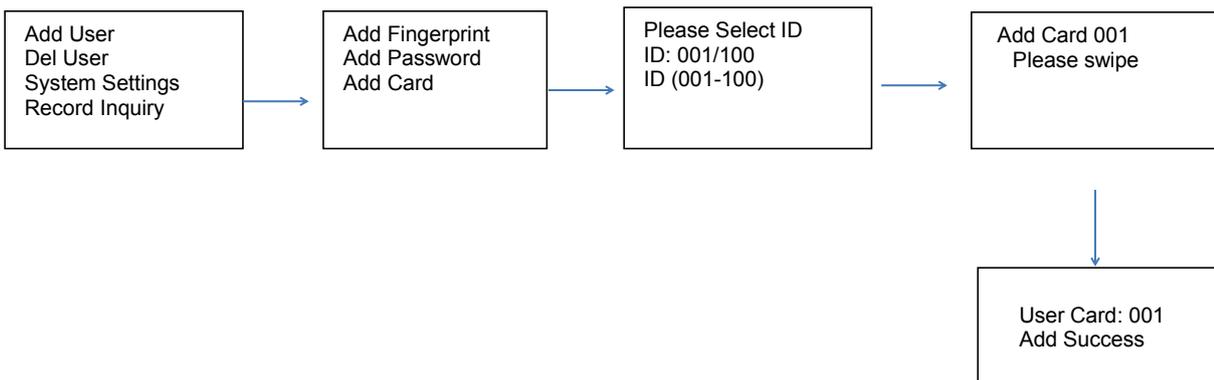
3.2.2 Add user password:

The user password has the same permission with the user fingerprint. Please refer to modifying Administrator password and adding user fingerprint for the specific addition steps, which are described briefly here. The new adding process is as follows:



▲ 3.3 Add card

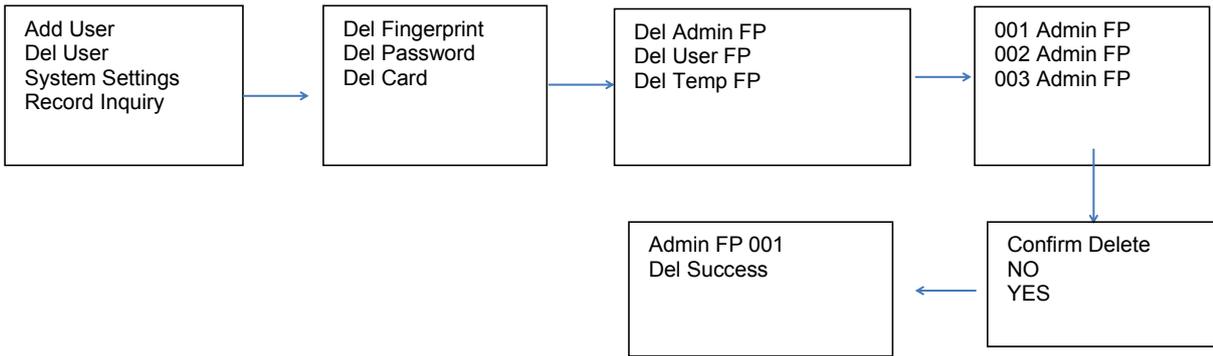
The card is optional. The adding process is similar to that of adding fingerprint and password. The adding process is as follows.



4. Delete user

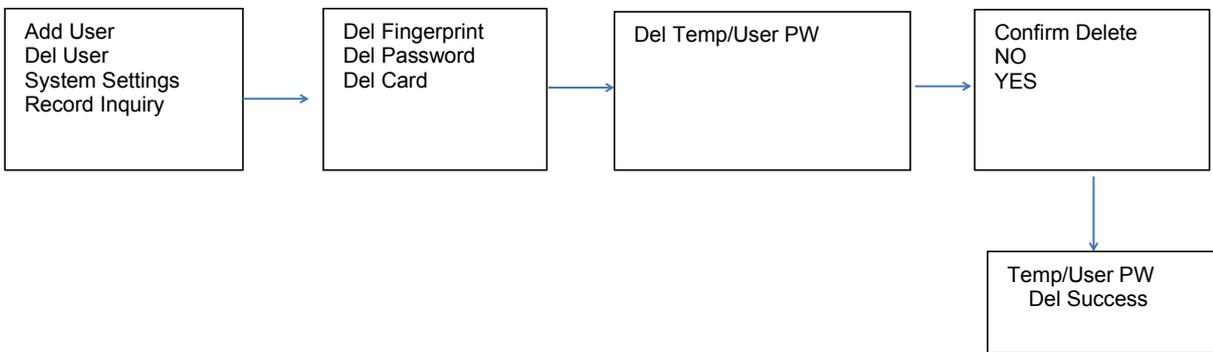
4.1 Delete fingerprint

Save at least one group of Admin fingerprints while deleting fingerprints. The concrete operations are similar to adding fingerprints. Select the fingerprint ID to be deleted through the direction key, and press [#] for confirmation. After confirmation, there will be an indication "Yes/No". Move the cursor to [Yes], press [#] to confirm the deletion. The LED indicator light will turn green after the deletion is successful. The deleting process is as follows:



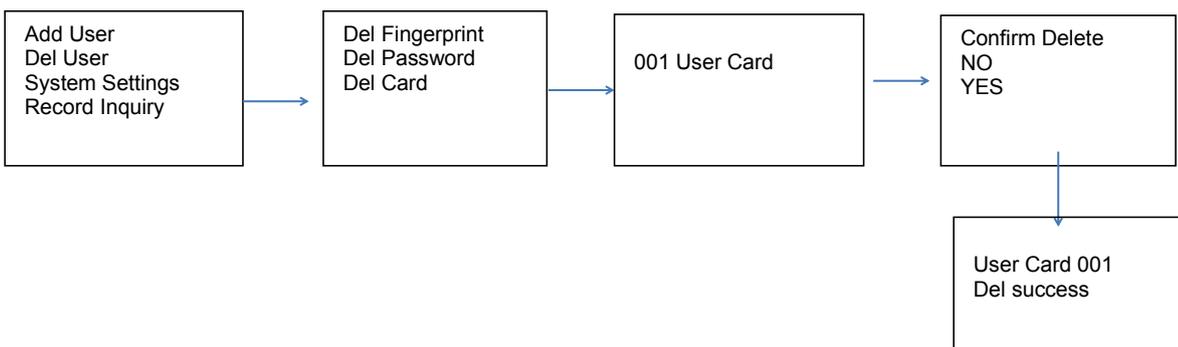
4.2 Delete password

The administrator passwords cannot be deleted, but the temporary and user passwords can be deleted. Refer to deleting fingerprint for the concrete operation steps. The LED indicator light will turn green after successful deletion. The operating process is as follows:



▲ 4.3 Delete card

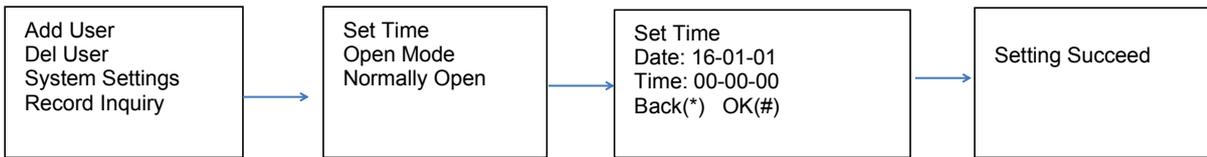
For the concrete operations of deleting card, please refer to deleting fingerprint. The LED indicator light will turn green after successful deletion. The operating process is as follows:



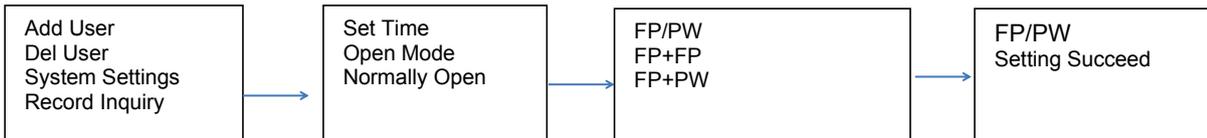
M Guidance for setting smart lock

5. System settings

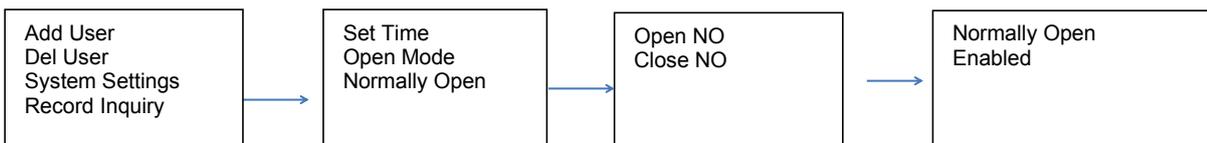
(1) [Time Settings]: After entering the management mode, select [System Settings] and [Time Settings] in turn. Input the time to be saved by pressing the number key, cancel the last inputting by pressing the key [*], and confirm it by pressing [#] after successful setting. The concrete operations are as follows:



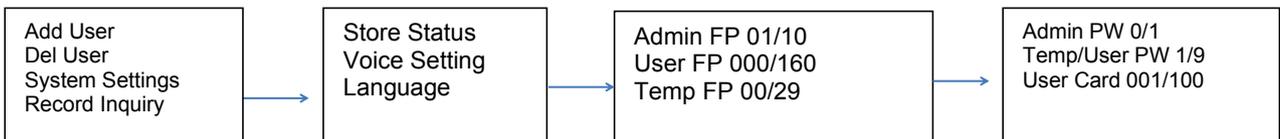
(2) [Unlocking Mode]: There are three unlocking modes: fingerprint/password, fingerprint + fingerprint, and fingerprint + password. In fingerprint + fingerprint and fingerprint + password unlocking modes, the fingerprint and password should not be those of the temporary users. You can move the cursor to the corresponding mode as required and confirm the selection by pressing [#]. The concrete operation process is as follows:



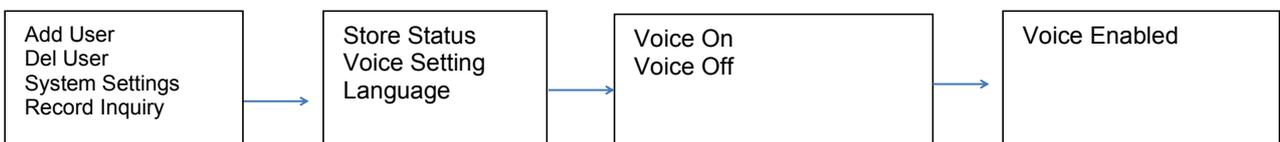
(3) [Normally Open]: After the Normally Open is enabled, when the touch screen is awakened, the LED panel will indicate that "Normally Open Enabled" and the LED indicator light will be green all the time. At this moment, the door is an access door, and it can be opened by pressing the external handle directly without password. The normally open mode can be removed after a valid unlocking action. Or it can be closed through [Normally Open]. The concrete operations are as follows:



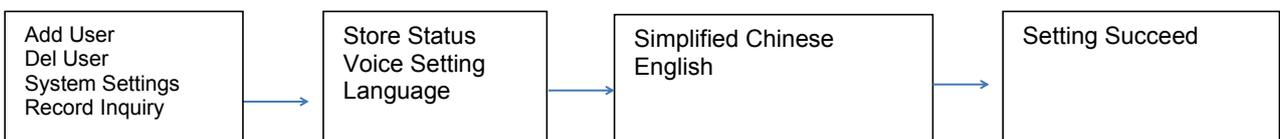
(4) [Store Status]: The store status displays the number of various types of users registered at present and the total capacity of these users. The specific viewing process is as follows:



(5) [Voice Setting]: The voice setting is divided into [Voice On] and [Voice Off]. You can set it as needed or turn on/off the voice through the mute key on the back surface plate. The concrete operations are as follows:



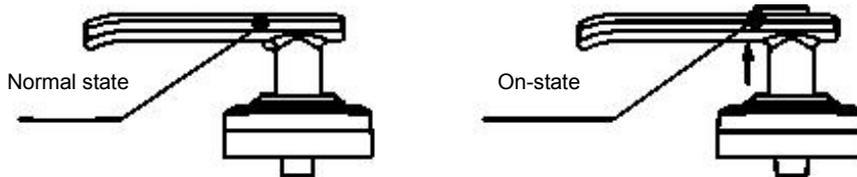
(6) [Language]: This product provides Chinese and English for you to choose. You can select corresponding language as needed. The specific selecting process is as follows:



▲9. In the future, the software of the smart lock can be adjusted, as needed, to adapt to different networking modules, realizing the networking function in the future. Refer to the networking manual for the adding process and application method.

⚠ Safety precautions

1. The users shall not repair this product at will.
2. Do not close the door for the first time of registration.
3. Please keep the password carefully. It is suggested to change the administration password regularly to prevent the password from being disclosed.
4. Do not operate this product with wet hands, and prevent water, beverages and other liquids from entering the product, so as to avoid short circuit of circuit board.
5. Do not press the electronic touch screen and fingerprint read head with excessive force or sharp instruments.
6. Make sure the door is locked safely when you go out.
7. Do not pull down or lift the sliding cover with excessive force.
8. When the battery life is over, please replace all the batteries at the same time. Don't mix the old and new batteries together.
9. When the product gives a low-voltage alarm, please replace the batteries in time.
10. It is suggested to place the key outside the house. The mechanical key can be used to unlock the door in emergency circumstances, and it can give an alarm for one minute.
11. It is suggested to turn on the safety button when you go out, which means the function of preventing the cat eye is enabled. The on-state is shown in the following figure.

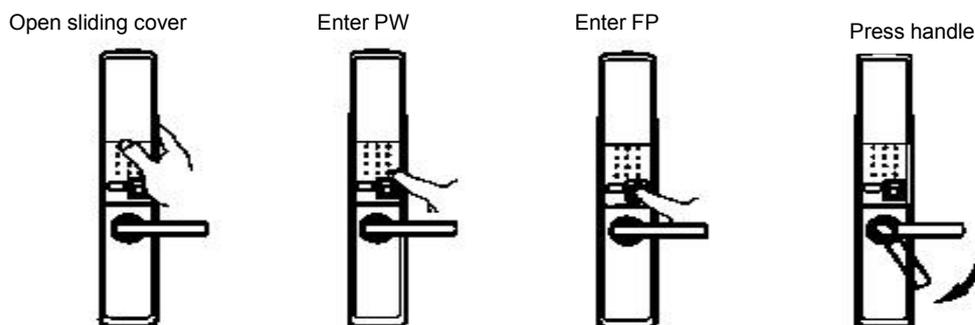


VI Guidance for using smart lock

6.1. [Fingerprint\password] mode

In this mode, users can unlock the door with any valid fingerprint or password registered before. The specific steps are shown as follows:

- (1) Open the sliding cover and wake up the entire system.
- (2) Enter any valid fingerprint or password that has been registered.
- (3) When the LED indicator light turns green or you hear “Ding Dong”, press down the handle to open the door.



6.2. [Fingerprint + fingerprint] mode

In this mode, you can unlock the door with any two non-temporary fingerprints registered before. The specific steps are as follows:

- (1) Open the sliding cover to wake up the entire system, or touch the screen lightly to wake up the system.
- (2) Enter any previously added non-temporary fingerprint, and then enter another non-temporary fingerprint when you hear "Enter Fingerprint" after beeping
- (3) When the LED indicator light turns green or you hear "Ding Dong", press down the handle to open the door.

6.3. [Fingerprint + password] mode

In this mode, you can unlock the door with any non-temporary fingerprint + administration password. The specific steps are as follows:

- (1) Open the sliding cover to wake up the entire system, or touch the screen lightly to wake up the system.
- (2) First of all, enter any previously added non-temporary fingerprint, and then enter the administration password when you hear "Enter Fingerprint" after beeping; or enter the administration password at first, and then enter any previously added non-temporary fingerprint after pressing [#].
- (3) When the LED indicator light turns green or you hear "Ding Dong", press down the handle to open the door.

6.4. Mechanical key

If you forget the password, or the fingerprint is unrecognizable, the batteries run out or the system is unable to work normally, the mechanical key can be used to unlock the door. Insert the designated mechanical key into the keyhole at the bottom of the front surface plate and rotate it by 90°, and then press down the handle to open the door (if the latch bolt and the deadbolt cannot be opened by the mechanical key, the key must not be rotated forcefully so as to avoid being damaged). Meanwhile, it will give a sound-light alarm for one minute. The alarm can be canceled through entering the Admin fingerprint or user fingerprint.

6.5. Card

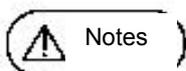
This function is optional. If you forget the password or the fingerprint is unrecognizable, wake up the system and swipe the previously added card on the touch screen to unlock the door.

6.6. Locking door

The door can be locked outdoors only by lifting the external handle.

The door can be locked indoors only by lifting the internal handle.

Rotate the back locking thumb turn for indoor back locking. At this moment, the door can be opened only by entering the Administrator fingerprint or password.



1. If the fingerprint is entered wrongly for 5 consecutive times, the system will enter the standby state, and then it is necessary to wake up the system again before operation.
2. If the password is entered wrongly for 5 consecutive times, the system will be self-locked for 1 minute and give an alarm, and the LED indicator light will turn red and flash at the same time.
3. In the normal use, the system will give a low-voltage alarm when it is awakened each time after the batteries are lower than 5V, the LED indicator light will turn red and flash, and there will be a voice indicating "Low Power. Please Replace the Batteries".
4. This smart lock supports the front virtual-digit and back virtual-digit passwords. As long as the unlocking password entered contains a complete and effective password combination, the door can be opened, but the total digital number of the password entered shall not be more than 20.
5. Operation results can be determined by observing the LED indicator light in the mute mode: blue represents the normal state, red represents the operation fails, and green represents the operation is successful. In the voice mode, besides judging the operation results by the LED indicator light, the results can be judged through the voice indications: "Ding Dong" means the operation is successful, and "Beeping" sound means the operation fails.

VII Main technical parameters

1. Main technical parameters:

The main technical parameters of this smart lock are shown in the following table:

No.	Category	Detail	Technical characteristics
1	Working power supply	Working voltage	4*1.5V AA battery (5#)
		Battery life	≈6,000 times
		Alarm voltage	≤5.0V
2	Power dissipation	Quiescent current	<50μA
		Dynamic current	≤500mA
		Peak current	≤500mA
3	Fingerprint acquisition head	Working temperature	-30℃~60℃
		Relative humidity	20%~95%
		Fingerprint capacity	199
		Memory capacity	100 years
		False rejection rate	<0.1%
		False accept rate	<0.001%
		Acquisition angle	360°
		Fingerprint sensing	Semiconductor fingerprint sensor
4	Password	Password length	6~12 digits
		Password capacity	10 groups
5	Auxiliary functions	Clock	Adjust time and date
		Record inquiry	Recent 200 pieces of unlocking records
6	LED display	Screen area	0.96 inch
		Display content	Operating process and result
		Working temperature	-25℃~60℃
7	WiFi Module	Frequency range	2412.0 MHZ----2462.0 MHZ
8	Executive standard		GA 701-2007 GB 21556-2008



Disclaimer

We have done our best to ensure that the information provided in this manual is correct and reliable, but we cannot fully guarantee that there is no error before and during printing. We apologize for some inconsistency between the material object and that as described in the manual, because we may sometimes upgrade the product in order to improve the performance, reliability and easy installation of the components and the system, but this will not affect the actual operation.

The functions described in this manual shall not be used as the reasons for special purposes. Our company will not undertake the accidents and hazards caused by users' mal-operations.

Thank you for reading this manual carefully. If you encounter any problems while using this smart lock in the future, please contact the local dealer or call our service hotline in time.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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