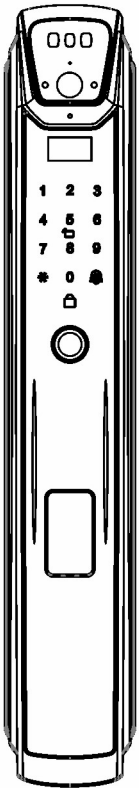


Installation and Use Manual



Features and Operation

1. Terminology and Function Key Description

- 1)Administrator Information: Refers to the administrator's fingerprint, password, or swipe card.
- 2)Unlock Information: Refers to the recorded fingerprint, password, or IC card information (including both administrators and regular users).
- 3)Auto Re-lock: The main bolt extends automatically after unlocking.
- 4)Re-lock Time: The time delay between the retraction of the latch bolt and its rebound after unlocking.
- 5)Reverse Time: The duration of the motor's reverse rotation after the auto re-lock is engaged.
- 6)"*" Key (Asterisk): Serves as the clear/back key. During password entry, a single press deletes
- 7)"#" Key (Hash/Pound): Serves as the confirmation/enter key.

2. Initial State

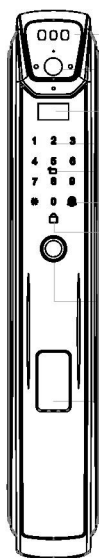
- 1)In the initial state, the lock can be opened with any fingerprint, card swipe, or password.
- 2)Once administrator information is registered, any unregistered fingerprint, card, or password will be unable to unlock the door.
- 3)Five-language version language switching (default: English). In the initialization state, enter the shortcut key and press "#" to confirm.

555666880#	Chinese
555666881#	English
555666882#	Portuguese
555666883#	Spanish
555666884#	Russian

Parameters

Main Control Chip	STMicroelectronics (SDG070)	Speaker	80/1W
Mainboard Dimensions	72X40(mm)	Voice Guidance	Five Languages
Standby Current	≤150UA	Keypad	12-Key Capacitive Touch Keypad
Operating Current	≤300mA (excluding motor)	Password Length	6-8 Digits
Fingerprint/Password/ Card Capacity	Total capacity: 300 entries, Administrator: 9 entries, Regular users: 291 entries	Vanity Password	20 Digits
		Display Screen	0.96" OLED
Facial Recognition/ palmar vein volume	50 groups each (determined by the storage capacity of the face module itself)	Human Detection Range	80~100cm
Human Motion Detection	Infrared Module	Indicator Light Panel	Optionally Equipped with Dual-Color Light, Tri-Color Light, or RGB Light
Number of Fingerprints	100 fingerprints (actual capacity subject to the storage limit of the fingerprint module itself)	Unlock Response Time	≤1 Second
Fingerprint Scanner	Semiconductor	Operating Temperature	-25°C~70°C
Fingerprint Matching Time	≤秒	Operating Relative Humidity	0%~93%RH
Fingerprint Response Time	≤0.5 秒	Mainboard Fingerprint Module Interface	1.25mm Pitch 6-Pin
False Rejection Rate (FRR)	≤0.1%6	Card Type	M1 Card
False Acceptance Rate (FAR)	≤0.0001%	Electrostatic Discharge (ESD) Immunity Level	Air Discharge: ±15kV
Fingerprint Recognition Angle	360°		Contact Discharge: ±8kV
Power Supply Method	6.5V~8.0V	Unlocking Methods	Fingerprint + Password + Card + WeChat Mini Program Temporary Password + Remote Unlocking (Optional) + Remote Control Unlocking (Optional)
Power Source Type	Lithium Battery		
Low Voltage Alarm Threshold	6.8±0.2V	Remote Unlocking	Optional Expansion Port: APP Remote Unlocking (Supported by YouZhiYunJia / Tuya)
Initialization Setup	Press and hold the setting button on the backplate for 5 seconds		
Door Opening Direction Setting	Enter the initialization state by using the shortcut code: 888	Remote Request Method	Doorbell or "9+#" Key Request
Aging Mode	Shortcut*#01#	Alarm Function	Supports five consecutive error attempt alarms, anti-prying alarms, and low voltage alarm functions.
Version Number Query	Shortcut Key*#00#		
Backplate Key Functions	Unlock Key / Initialize Key / Lock Key	Emergency Power Supply	5V USB Emergency Power Port
Local Unlock Record Query	Supports up to 500 records		

Product Overview



3D Facial Recognition Camera

Peephole Camera

OLED Display

Numeric Keypad

Card Swiping Area

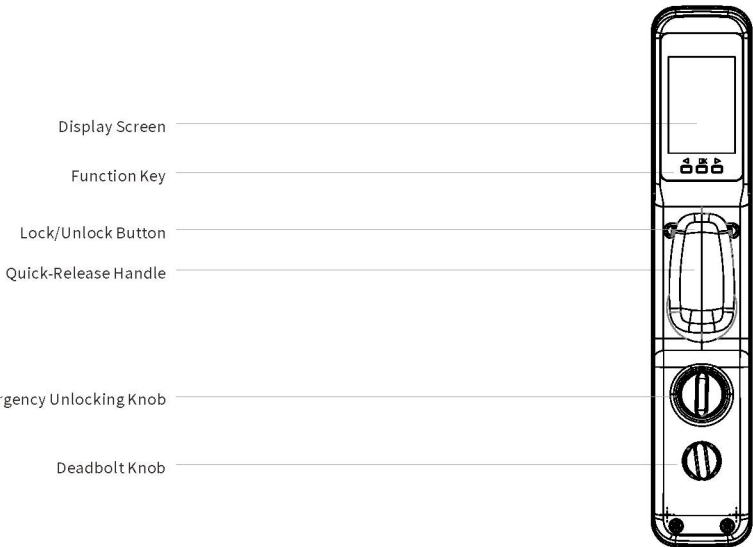
Doorbell

Lock Key

Fingerprint Scanning Area

Keyhole

Type-C Emergency Power Port



Display Screen

Function Key

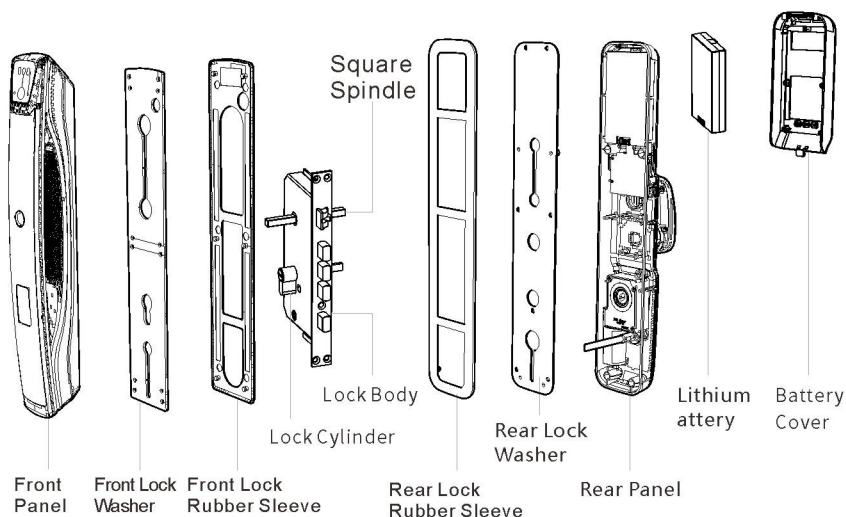
Lock/Unlock Button

Quick-Release Handle

Emergency Unlocking Knob

Deadbolt Knob

Door Lock Schematic Diagram

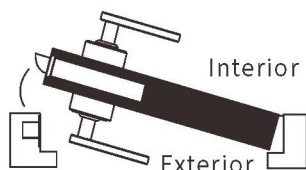


Door Lock Installation Tutorial

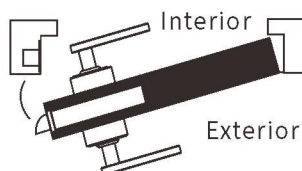
1. Confirm the Door Handing

① Right-Hand Door

Correct Inward Swing

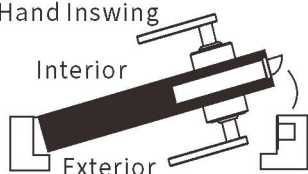


Correct Outward Swing

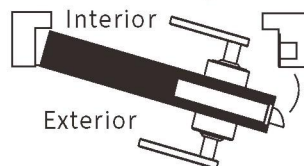


② Left-Hand Door

Left-Hand Inswing



Left-Hand Outswing



2. Lock Body Handing Change



The latch orientation in the image is set for a left-hand inswing door. If your door has the opposite opening direction (e.g., right-hand and/or outswing), adjust the lock configuration accordingly. (Reconfigure according to Figure 2 and Figure 3)

01

Figure 2

02

Figure 3

First, push the buckle upward to release it.

Rotate the latch downward by 180° to complete the handing change.

3. Install the Lock Body and Lock Cylinder



01

Install the lock body, then tighten the mounting screws at the top and bottom ends.

4. Preparations for Installing the Front and Rear Locks



01

Loosen the sleeve, align it with the triangular mark on the product, and install it.



02

Alternatively, adjust the sleeve position according to your door's pre-drilled holes.



03

Use pliers to secure both ends of the sleeve.



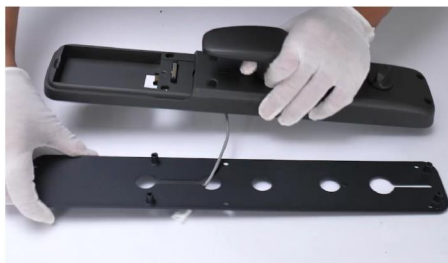
04

Install the front lock rubber sleeve onto the front lock washer, and press firmly to ensure full adhesion.



05

Open the rear lock battery compartment cover.



06

Unscrew the rear lock mounting screws and remove the rear lock washer.



07

Install the rear lock rubber sleeve onto the rear lock washer, and press firmly to ensure full adhesion.



08

Install the safety bar on the rear lock, and insert the pin to secure the safety bar in place (as shown in the figure).



09

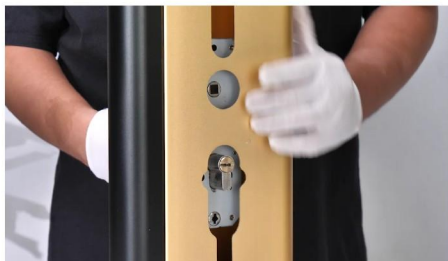
Bend the pin firmly into place using pliers.



10

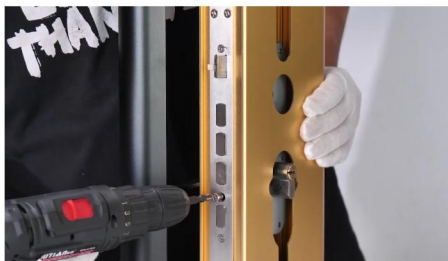
Then rotate the knob to ensure the bent pin does not contact the motor.

5. Accessory Cutting and Installation



01

Install the lock cylinder. Insert it through the hourglass-shaped slot on the lock body from the outside, with the keyhole facing outward. Then rotate the square spindle of the cylinder to check if the latch retracts smoothly.



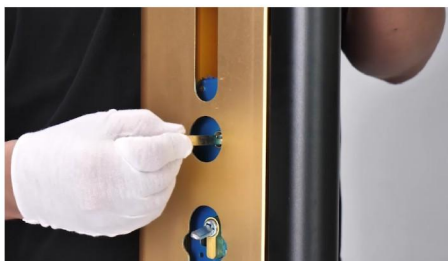
02

If retraction is smooth, keep the cylinder stationary and tighten the lock cylinder mounting screws.



03

The square spindle of the lock cylinder should protrude 1.8cm to 2cm from the door surface. Mark and cut off any excess length beyond this range.



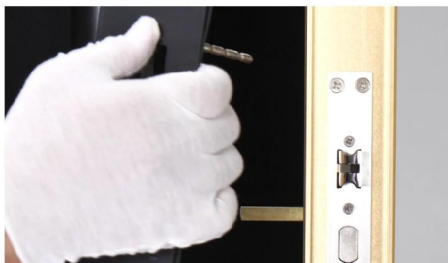
04

Insert the shorter segment of the square spindle into the square slot on the interior lock body.



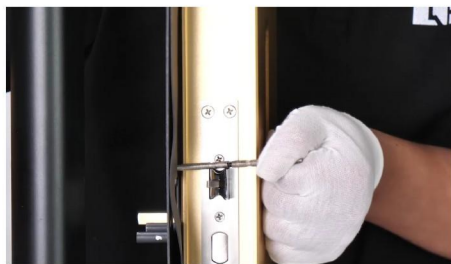
05

The square spindle should protrude 2cm to 3.5cm from the door surface.



06

Insert the ribbed screw through the screw hole on the rear lock washer.



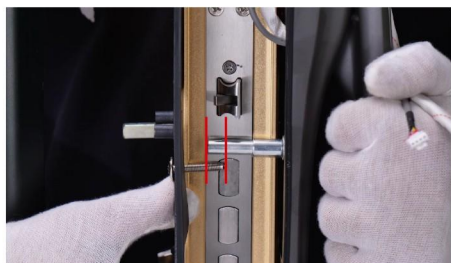
07

Then, measure the length of the ribbed screw against the door thickness to ensure it fits flush with the door frame. Mark a point 1cm shorter than the door frame depth.



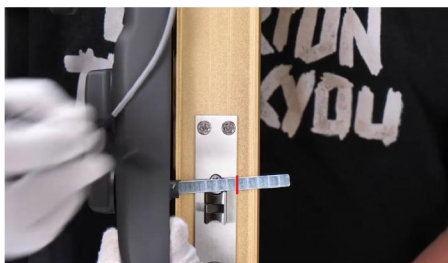
08

Use pliers to cut off the excess portion.



09

The trimmed ribbed screw must align flush with the front lock screw tube.



10

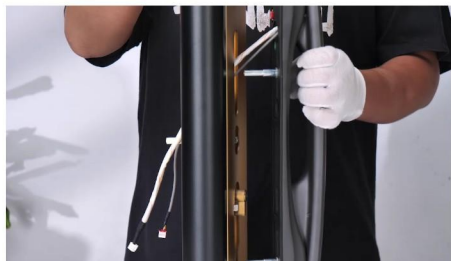
Similarly, mark the safety bar at the bottom of the rear lock to be 1cm shorter than the door frame depth.



11

Use pliers to cut off the excess section.

6. Install the Smart Lock



01

Install the front lock. Pass the power cable from the outside through to the inside, align the lock cylinder hole with the lock cylinder, and close the panel flush against the door surface.



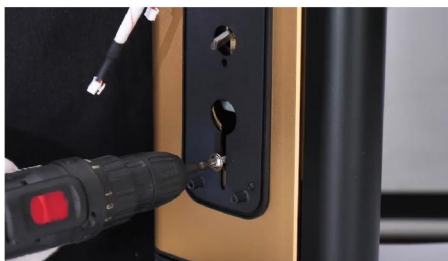
02

Pass the power cable through the rear lock washer and ensure it lies flat against the door surface.



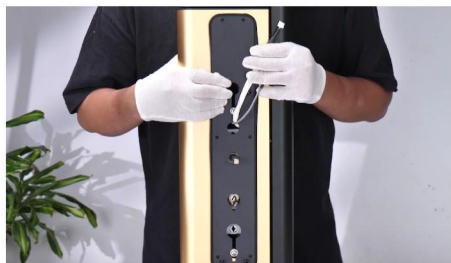
03

Using the pre-cut ribbed screw, align it with the screw tube and tighten.



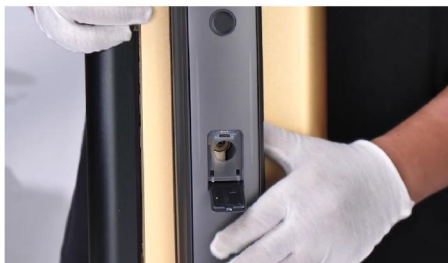
04

When tightening the ribbed screw, leave a slight degree of looseness.



05

Ensure the front lock, rear lock washer, and door edge are parallel.



06

Open the keyhole cover and check if the lock cylinder is centered.



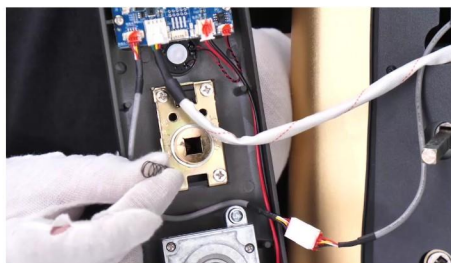
07

Verify whether the square spindle, lock cylinder square drive, and safety slot are aligned precisely at the center of the circle on the rear lock washer before fully tightening the top and bottom ribbed screws.



08

Connect the power cables and peephole camera cables between the front and rear locks.



09

Insert the spring into the square spindle hole on the rear lock.



10

Tuck the excess power cables inside the door to prevent them from being pinched and severed.



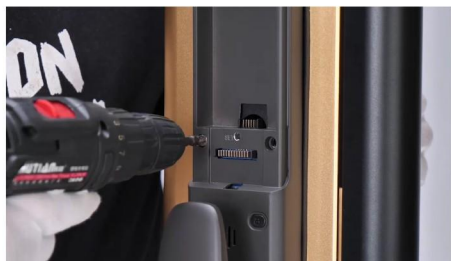
11

Align the square spindle, lock cylinder square drive, and safety bar slot, then close the panel.



12

Then rotate the rear lock handle to check if locking and unlocking operate smoothly and normally.



13

Tighten the rear lock mounting screws.



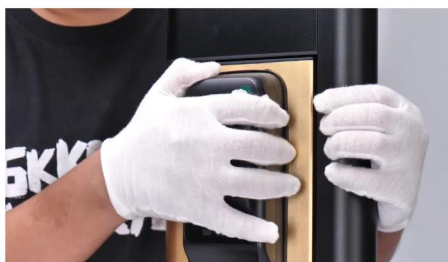
14

Align the battery connector, and install the batteries.



15

Press and hold the SET button below the batteries for 5 seconds. After hearing the voice prompt, press the "#" key to confirm, and the device will restore to factory settings.



16

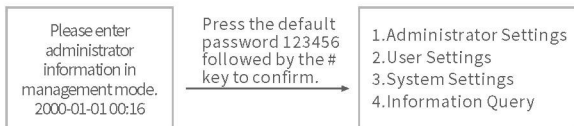
Close the battery compartment cover. Installation is now complete.

Door Lock Setup Tutorial

1. Enter the Door Lock Function Management

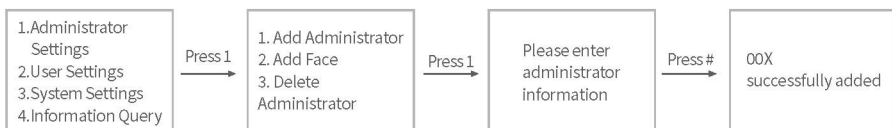
1) In the initial state, touch the digital area to wake the screen, then press the "*" and "#" keys simultaneously to enter management mode. The screen will display "Please enter administrator information." After successful administrator verification, you can proceed with function management. (The default administrator password is "123456")

2. Administrator Setup

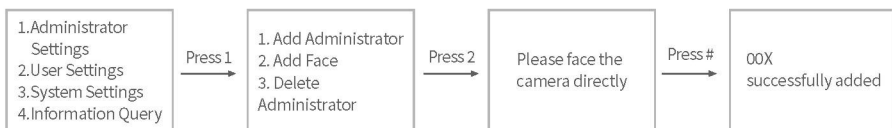


1) User Administrator

Note: During the entry process, fingerprints need to be registered 5 times, and the password must be 6-8 digits long and entered twice identically. Press the '#' key to confirm. For card registration, swipe the card only once. To complete the addition, press the '*' key to return to the previous menu or exit.

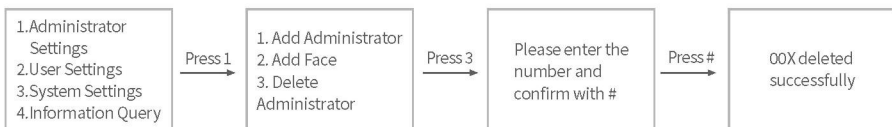


2) Add Face Information



Note: During facial registration, please face the camera directly at a distance of approximately 60 cm. Ensure your face remains aligned with the camera throughout the process. After completion, press the '*' key to return to the previous menu or exit.

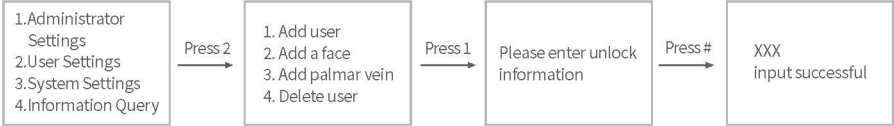
3) Delete Administrator Information



Note: The last administrator and the administrator currently accessing this menu cannot be deleted.

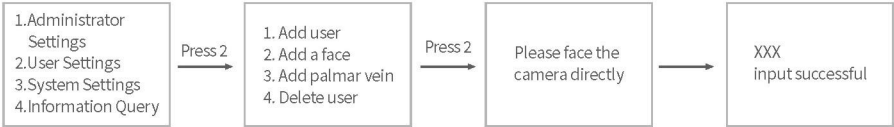
3. User Settings

1) Add User Information



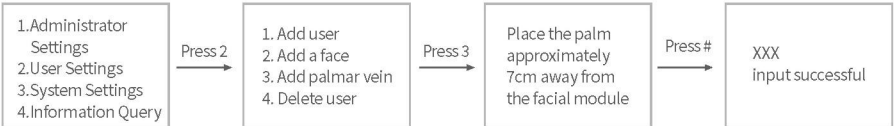
Note: During the registration process, fingerprints must be scanned 5 times. For passwords, enter a 6-8 digit code twice identically and press '#' to confirm. For card registration, swipe the card only once. After completion, press '*' to return to the previous menu or exit.

2) Add Face Information



Note: During facial registration, please face the camera directly at a distance of approximately 60 cm. Ensure your face remains aligned with the camera throughout the process. After completion, press the '*' key to return to the previous menu or exit.

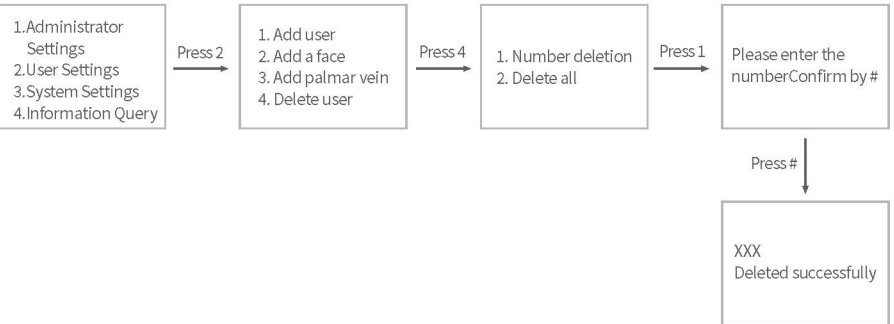
3) Add palm vein information



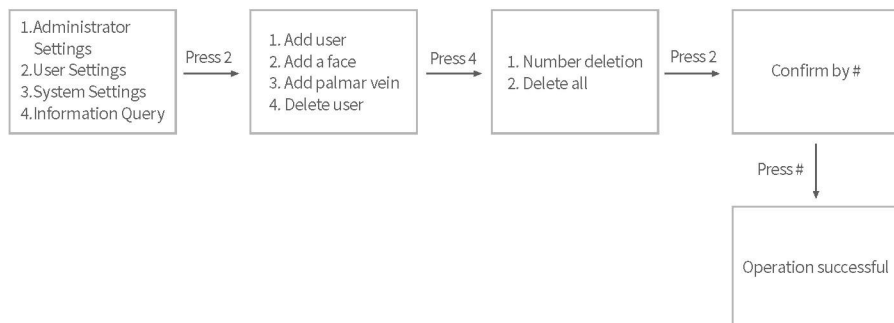
Note: During the process of entering the palm vein, please place your palm approximately 7cm away from the face module Aim at the camera, after completing the input, press the "*" key to return to the previous menu or exit.

4) Delete User

Delete by ID



Delete All

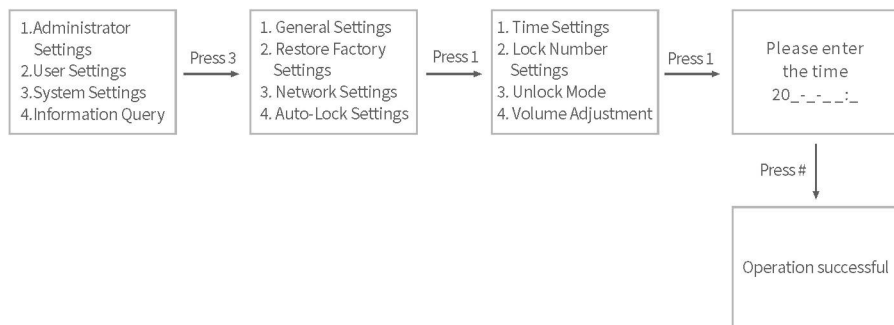


Note: The "Delete All" function will remove all regular users, while administrator accounts will remain unaffected.

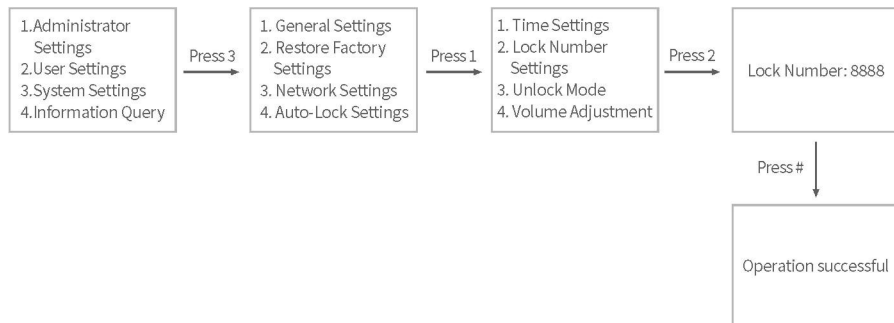
4. System Settings

1) General Settings

Time Settings

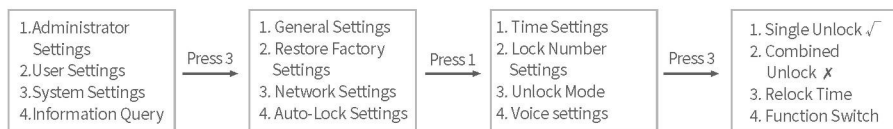


Lock Number Settings

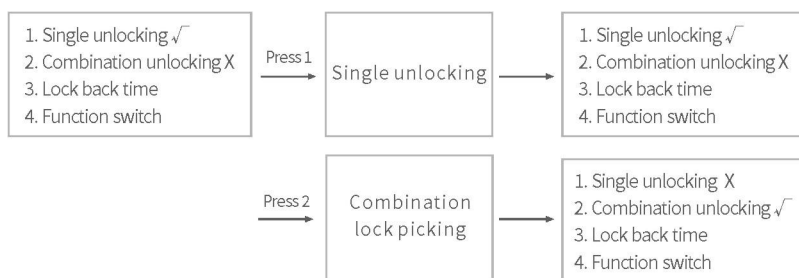


The system default lock number is "8888". After entering a four-digit lock number, press '#' to confirm, and the lock number will be successfully set.

Unlock Mode



►单一开锁/组合开锁



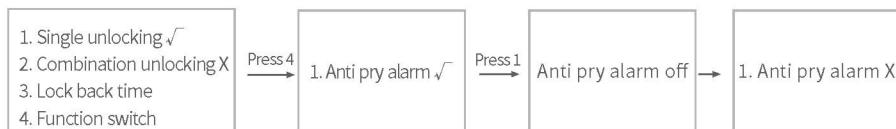
►Lockback time

Note: When the LED lights are on 2 and 8, press 2 to increase the locking time, and press 8 to decrease the locking time;



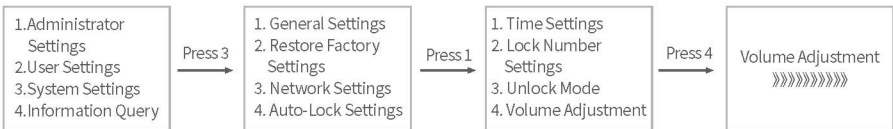
Note: Set the lock time (2-9S) by pressing the small button 8 and the large button 2

►feature toggle

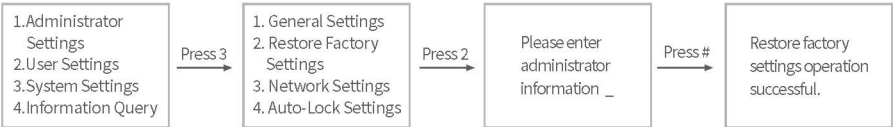


Voice settings

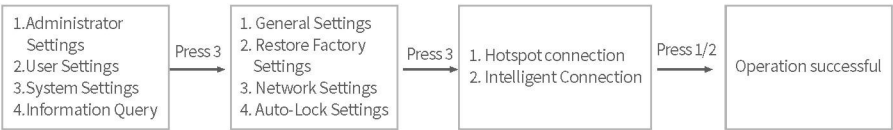
Note: The LED lights are on 8 and 2. Press 8 to decrease the volume and press 2 to increase the volume



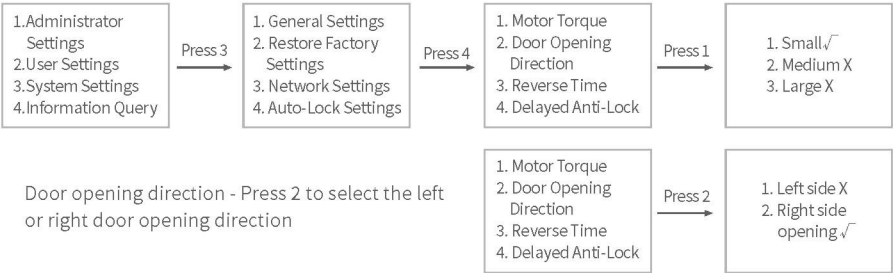
2) Restore Factory Settings



3) Network Settings

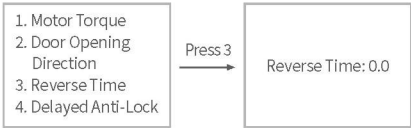


4) Auto-Lock Settings



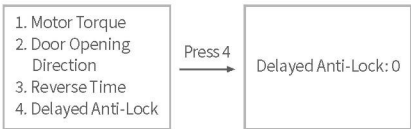
►Reverse Time

Reverse Time --- (Reverse Time: Press "2" to add 0.1 seconds, press "8" to subtract 0.1 seconds, adjust the interval to (0-0.9 seconds))



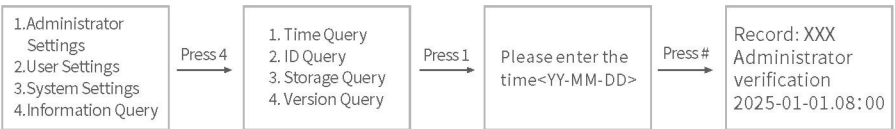
►Delayed Anti-Lock

Delay lock - (Press "2" to add 5 seconds, press "8" to subtract 5 seconds, adjust the interval to (0-90S))

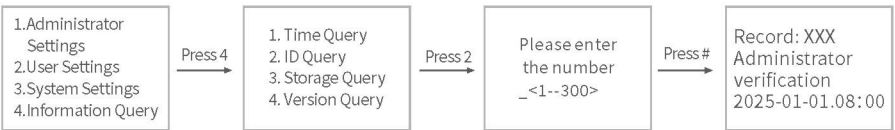


5. Information Query

1) Time Query



2) 编号查询



3) Storage Query



4) Version Query



Other Notes

- 1.If unauthorized unlock information is entered incorrectly more than 5 times within 5 minutes, the system will automatically enter an invalid input state. The duration of this state will be 90 seconds or longer.
2. Password Anti-Peeping Function: When entering a password to unlock, input the password as follows: ****XXXpasswordXXX**** (where "password" is your actual code). You may add irrelevant digits before and after the password, then press ****#**** to confirm. The actual password must be included within the entered sequence.
3. The system will automatically exit if no operation is performed within 10 seconds.
4. When the voltage drops below 6.8V, the system will automatically trigger an alarm after each unlock operation. After the alarm is activated, the lock can still be used for up to 200 unlocks. Beyond this limit, each subsequent unlock will be delayed by 5 seconds. It is essential to replace the batteries before reaching the maximum unlock count.
5. Initialization Settings: Press and hold the setup button on the rear panel for 6 seconds to enter initialization mode. After initialization is complete, all unlock information and records will be cleared (proceed with caution).

APP Download



Note: If no user is registered, any fingerprint can unlock it. Indoor Smart Lock Bluetooth Tuya Operation Guide APP Introduction and Download



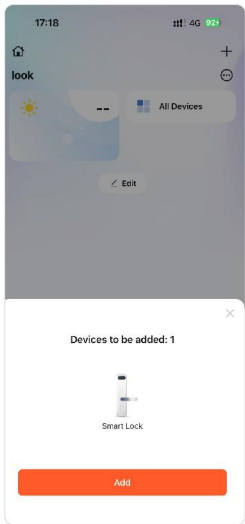
Application market



Apple store

"Tuya Smart APP" is a smart device management application provided by Tuya for end consumers. Through the "Tuya Smart APP," you can easily configure and control smart products throughout your home, set up your favorite scenes and automation solutions, share your smart devices with family and friends, and enjoy the convenience of whole-house intelligence. To download the app: Search for "Tuya Smart" in your app store or the "Apple App Store," or scan the Tuya APP QR code above to download.

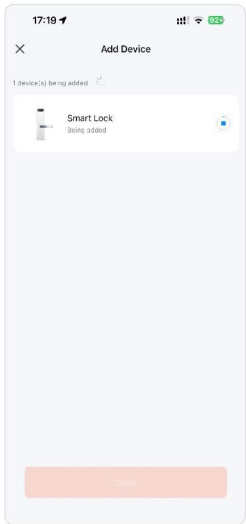
1. Access the smart lock menu settings: Press "*" and "#", then verify the administrator identity to enter the menu settings.
2. Configure Network: After entering the menu settings, select the function corresponding to the number to proceed with the operation.
Press 3 for System Settings → Press 3 for Network Setup → Press 1 to select Wi-Fi connection.
3. After completing the menu operations on the smart lock, turn on your phone's Wi-Fi to connect to the internet, then open the Tuya APP and proceed as shown in the figure below:



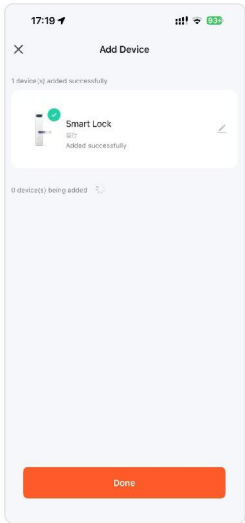
1. Add Device



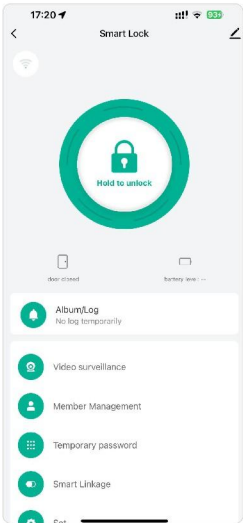
2. Enter WiFi information and input the password.



3. Wait for the device to connect.



4. Complete the network connection.



5. After connecting, you can use your phone to unlock the door.

FCC Statement

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.

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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).