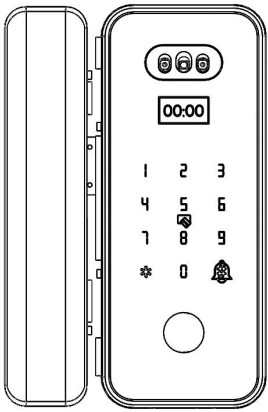
# 3D Face Recognition (Optional)
# Glass door smart lock（With Bluetooth）
# Quick Action Guide（1.2）




· Support radar body sensing (Sensitivity can be adjusted), 3D binocular face recognition；

· Contact for lock picking, not affected by darkness or bright light

· Support Bluetooth (Tuya Smart APP or  WeChat Mini Program),fingerprint, cards, and passwords (temporary passwords) for unlocking

· Support Bluetooth authorization for unlocking through the APP; APP allows adding and deleting users, and provides unlocking record inquiry

· Support Bluetooth remote control unlocking, remote unlocking (optional)

· Support OTA upgrade

· Support combination unlocking, virtual password anti-peeping function

· Support low battery, anti-demolition, trial and error, false lock alarm

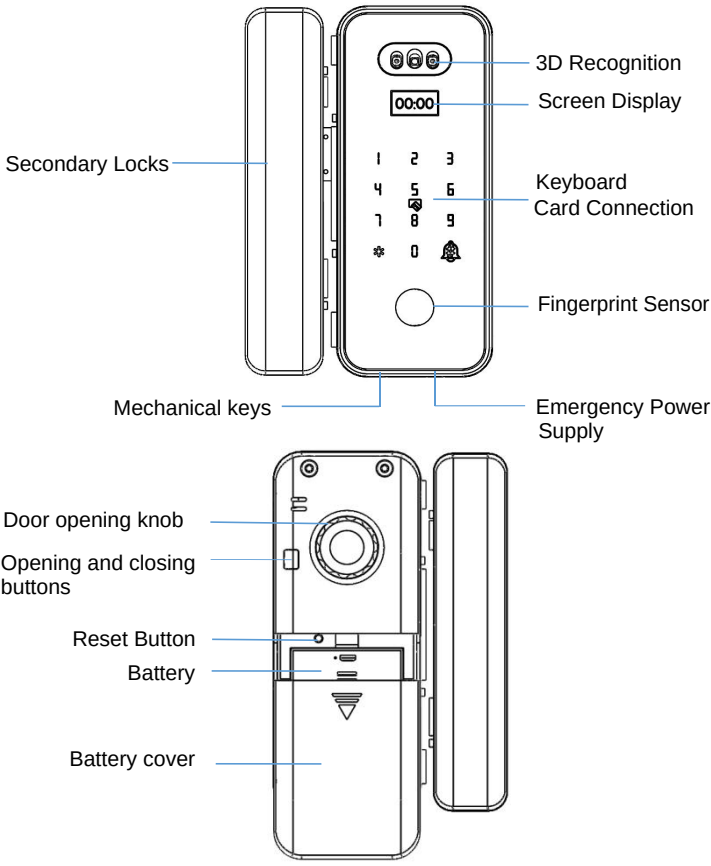
· Support auto-locking, normally open mode, with doorbell function

· Support emergency power interface (Interface type: Type C)

· Gearbox clutch protection for enhanced stability

· Dual system unlocking

# Product Specification




## Cautions

1. In the factory state, any face and fingerprint can open the door.

2. If the verification error is entered 5 times in a row, the system will alarm and lock for 90 seconds, and it will not respond to current operation.

3. When the human body sensing function is turned on, the face recognition will be activated after the door lock senses the person. (If the door lock is woken up 5 times in a row, but no face is recognized, the system will automatically turn off the human body sensing function to avoid frequent false awakening of the door lock and to shorten the battery life). If the human body sensing function is turned off, you need to touch the door lock first, and then the face recognition will be activated.

4. When the door lock is unlocked, the indoor knob is manually locked, and the normally open mode is available in three forms when the human body sensing function is turned off.

5. When the voltage is lower than 6.8V (4.8V for dry battery version), the system will prompt that the battery voltage is low. Please charge or replace the battery in time.

6. When the battery is out of power or the voltage is too low, the mobile power supply can be used to provide emergency power to the front lock through the power source interface, and then the door can be opened in any way.

7. It is recommended to keep the mechanical key in a safe place outdoors.

## Technical parameters

| | |
|---|---|
| Material | SUS304 stainless steel + aluminum alloy |
| Power supply | 7.4V (4000mA lithium battery) 1.5V AAX4 dry battery |
| Operating current | Quiescent≤ 150uA Dynamic≤ 380mA |
| Number of users | 250 (10 admins, 240 regular users) |
| Number of users Each module | Face model: 100 faces, 50 fingerprints, ICs, and passwords<br>Ordinary model: 50 fingerprints, 100 IC and password |
| Unlock time | 0.5 seconds |
| Face recognition distance | 0.3~1 meter |
| Identification Error | ≤0.0001% |
| Records number | 1000 |
| Bluetooth Distance | 10~15 meters |
| Operating Temperature | -25°C~65°C |
| Relative Humidity | 5%~95%RH (no condensation) |
| Suitable Range | 8-12mm frameless glass door (Door crack size: 4-15mm)<br>30-120mm framed glass door, wooden door |

## Factory reset (two ways)

1. Press and hold the "Reset Button" on the rear panel for about 5 seconds, and the voice prompt says "Please confirm if Factory reset", press the '#' key to confirm.

2. Press '*#' to verify the administrator's password and enter the system menu -- press '4' for information query -- press '3' to recover. After factory reset, select '3' and the system voice prompts "Please confirm whether to restore factory settings", press the # button to confirm.

## Open mode & auto-lock function setting

The normally open mode of the device is turned off by default, and the auto-lock function is turned on.

**Turn on normally open mode:** touch to wake up the door lock, enter '9#' to verify the administrator and turn it on.

**Turn on normally open mode:** When the normally open mode is turned on, the auto-lock function is turned off.

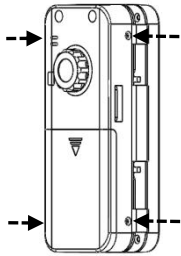
**Turn off normally open mode:** Touch the keypad to wake up the door lock in normally open mode, enter '9#'.

After verifying the administrator, the normally open mode is turned off and the auto-lock function is enabled.

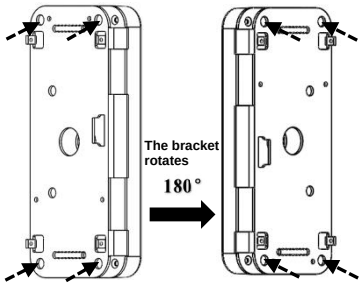
**Manual locking**: In any state, enter "0#" on the keypad to manually lock.

# Adjust the directions of the door lock

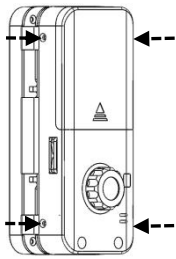
1. Remove the four fixing screws on both sides of the rear panel of the main lock, remove the rear panel, and disconnect the rear plate cables.



2. Remove the four fixing screws on the outer panel of the main lock, separate the outer panel from the bracket, rotate the bracket 180 degrees, and replace it. Tighten the screws to secure it.



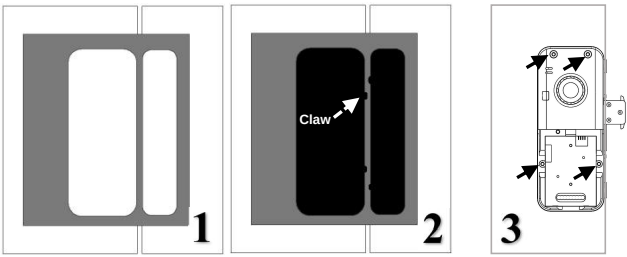

3. After rotating the rear panel 180 degrees, reinstall the cable and secure it by tightening the screws. This will complete the left and right reversal.



Note: When removing the cable, first pull up the cable connector buckle, and then pull out the cable. When reinserting the cable, align the cable with the socket and insert it in place, and then press the buckle down.

*When inserting the cable back, it is necessary to align the hole position and insert it gently, and do not bend the cable hard, so as not to cause damage to the cable.

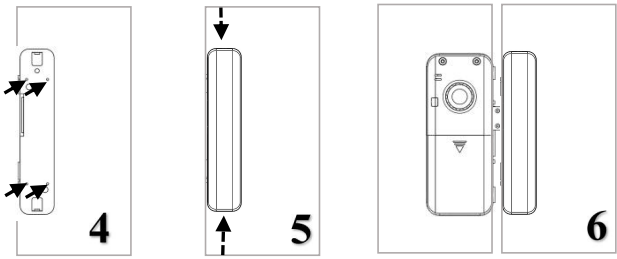
# Frameless glass door installation




1. Clean the glass surface and place the positioning cardboard inside the door.

2. Remove the adhesive protective film from the mounting plate and stick it onto the door according to the position of the cardboard. Install the buckle claw of the plate on the side of the glass door.

3. Insert the main lock from the side of the glass and screw in the screws at the upper and lower ends in their respective installation positions. Secure the main lock with the wire.




4. After removing the upper and lower screws of the back shell of the auxiliary lock, push the auxiliary lock into it from the side of the glass and tighten the set screws.

5. Lock it with a manual knob, confirm the alignment of the main and auxiliary locks, put it back into the back shell, and lock it up and down with two screws.

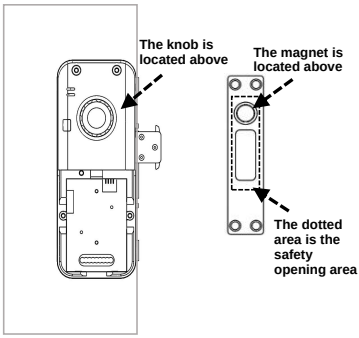
6. Put in the battery, close the battery cover, and complete the installation of the glass door lock.

## Notes:

1. Be sure to use the installation positioning card to align the main and auxiliary locks, and the door gap should not be less than 4 mm.

2. The thickness of the glass is 8-12 mm.

# Single-door side strip installation

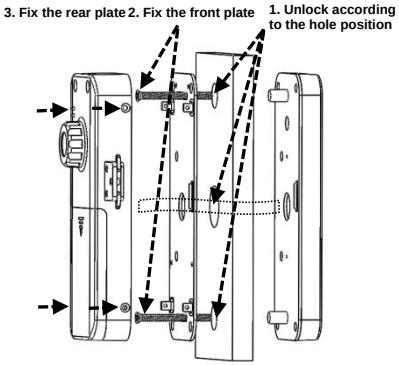


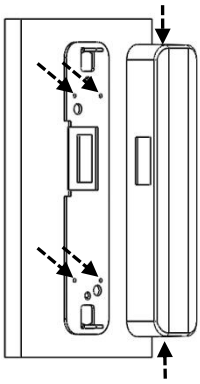

1. Install the main lock according to the installation steps for the frameless glass door. Close the door and mark the position of the deadbolt.

2. Open holes in the wall according to the size of the side strips and install the side strips.

**Note:** The side strip magnet should be oriented in the same direction as the main lock knob, and the diagram shows that it is installed in the right open direction.

# Framed doors,wooden doors and aluminum alloy doors Installation



1. First install the main lock after opening the wooden door or edging door frame according to the required size.

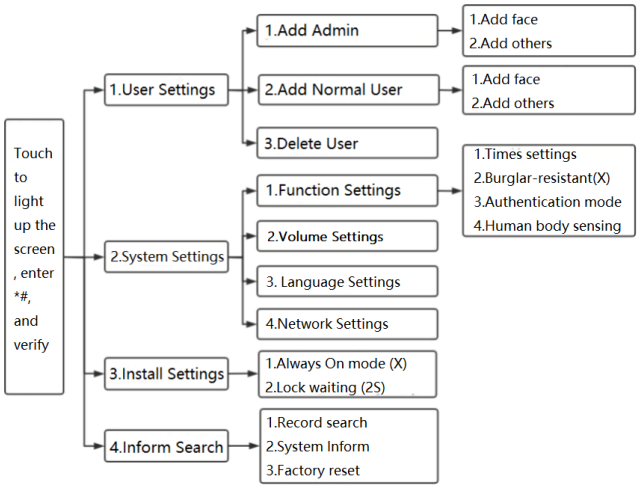
2. After the studs and wires of the front panel pass through the wooden door, fix the front panel with screws through the rear sealing plate behind the door.

3. Connect the cable to the back panel, install the back panel on the back sealing plate, install screws on both sides to secure the back panel, and complete the installation of the main lock.

4. Use self-tapping screws or rivets to fix the sub-lock sealing plate first, then install the sub-lock shell. Install the upper and lower screws to secure it and complete the sub-lock installation.

# System menu

Touch the screen to light up the keyboard, then enter "*#" to verify the administrator password and access the system menu. When performing this operation for the first time, you will be prompted to add the administrator information (fingerprint, password, or card) and enter the system menu once the administrator information is successfully added.




# Instructions

## 1. User Settings

### Add users

After entering the system menu, select 1 to enter the user settings. Then, enter 1 or 2 as needed. Select to add an administrator or normal user. After entering the next level menu, the system prompts to add face (selection 1) or add others (fingerprint, password, or card) by selecting '2'.

(1) Add face: After selecting 1 in the menu to add a face, the system broadcasts the new user number currently entered and prompts to look at the camera. The user looks at the camera at a distance of 30-80CM away from the door lock and performs the corresponding operation according to the voice prompt. This process continues until the system prompts to add successfully and completes the current face user entry.

(2) Add fingerprint: After selecting 2 in the menu to add others, the system broadcasts the new user number currently entered and prompts to enter the fingerprint, password, or card. The user puts the finger to be entered in the fingerprint entry window and follows the voice prompt to enter the same finger three times in a row. The system then prompts that the addition is successful and the fingerprint entry is completed. The user can continue to be added, and the * button is used to exit.

(3) Add password: After selecting 2 in the menu to add others, the system broadcasts the new user number currently entered and prompts to enter the fingerprint, password or card. Enter the 6-digit password that needs to be added, press the # key to confirm. The voice prompt says "please enter again". The user enters the same set of passwords again and presses the # key to confirm. The system prompts "add successfully". Complete the password entry, you can add users continuously, and exit using the * key.

(4) Add IC card: After selecting 2 in the menu to add others, the system broadcasts the new user number currently entered and prompts to enter the fingerprint, password, or card. The IC card that needs to be added should be placed close to the IC card sensing area of the keyboard. The system will prompt "add successfully" once the process is complete. You can continue adding users by repeating the steps, and exit by pressing the * key.

### Delete the user

After entering the system menu, select 1 to enter the user settings. Then, enter 3 and select "delete user". The system will prompt you to "Please enter the number, press the # key to confirm". Enter the user number that you want to delete and press the # key to confirm. The system will then prompt "Delete successful".

## 2. System settings

### Function settings

After entering the system menu, select '2' to enter the system settings menu, enter '1' to enter the function settings interface, and you can set the following functions:

(1) Time setting
After entering the function setting menu, press '1' to set the time, enter the current date and time in turn, press the # key to confirm, the system prompts "Operation successful", and complete the time setting.

(Note: When the mobile phone is connected to the door lock, the system time will be automatically synchronized)

(2) Anti-pry setting
Enter '2' after entering the function settings menu, the system prompts "Operation Successful", and the system switches between anti-pry on (√) or anti-pry off (×).

(3) Verification mode
After entering the function setting interface, enter 3, and the system prompts "Operation Successful", and the system switches between single and double verification modes.

(4) Human body sensing
Enter 4 after entering the function setting interface, and the system prompts "Operation Successful" to complete the disabling of the human body sensing function and the switching of sensitivity.

Human body sensing (off): The human body sensing function is turned off in standby mode.
Human body sensing (low): Sensing distance 0.3-0.6 meters
Human body sensing (medium): Sensing distance 0.5-0.8 meters
Human body sensing (high): Sensing distance 0.7-1.1 meters

### Volume settings

Enter '2' in the system settings menu to enter the volume setting interface, and press '4' to decrease volume, press '6' to increase the volume, press the '#' key to confirm, the system prompts "Operation Successful", and complete the volume setting.

### Language settings

Enter '3' in the system settings menu, and the system can switch between Chinese and English.

### Network connection

Enter '4' in the system settings menu to enter the network configuration state. At this time, it is possible to add a door lock in the Tuya APP to manage the door lock with your mobile phone.
Fast steps: Enter '2#' after waking up the screen to successfully verify the administrator's rear door lock.
Enter the configuration state.

## 3. Installation settings

### Always-on mode

Once in the system menu, select 3 to enter the installation settings menu and enter 1 series.
The system switches between normally open (√) and normally closed (×).
Voice prompts "Normally On" or "Normally Off".

### Waiting time setting for door lock **(the waiting time for the door lock to automatically lock the door after closing the door)**

After entering the system menu, select 3 to enter the installation settings menu. Then, enter 2 to access the lock waiting time setting. The default waiting time is 2 seconds, but you can adjust it from 1 to 9 seconds. Simply enter the desired number to complete the waiting time setting.

## 4. information Search

### Record history

After entering the system menu, select 4 to enter the information query menu. Then, enter 1 to access the record query interface, where you can view the door opening record. The 4 key allows you to view the previous record, while the 6 key allows you to view the next record. The system can store up to 1000 records.

### System information

After entering the system menu, select 4 to enter the information query menu, and enter 2 to display the system version information.

### Reset setting

After entering the system menu, select 4 to enter the information query menu. Then, enter 3 to select factory reset. The system will prompt whether to restore factory settings. Press the # key to confirm and the * key to cancel.

## Scan the QR code below to watch the operation video

**Glass lock installation video**

**Glass fingerprint lock setting video**

**Glass fingerprint lock networking video**

## **Tuya Smart APP** (Bluetooth function needs to be turned on)

Search for "Tuya Smart" on the App Store or Android App Market to download and install APP. After entering APP and successfully registering, you will be able to manage the door lock.

## 1. Add devices

1)Press '*#' to verify the administrator password and enter the system menu on the door lock. Then select '2' system settings - '4' distribution network settings (or press '2#' in standby state) to put the door lock into the network distribution state. The screen will display "in the network" and the keyboard light will flash.

2.)Open the Tuya Smart APP. At this time, the APP will display a pop-up window saying "Find the device to be added". Click the add button below (if there is no pop-up prompt, you can also click the add button in the upper right corner of the screen, select Add device, and the APP will automatically search for nearby devices). After finding the door lock, the APP will prompt to find the device. Click the add button on the right. At this point, the APP will show that 1 device is being added. Continue to click the add button on the right side of the device name and wait for the APP to prompt that the addition is successful. This completes the addition of the door lock.

## 2. Door lock management

1. APP switch lock
When the mobile phone is connected to the door lock, click on the current door lock in the APP. Press and hold the button in the middle of the screen to unlock and close the lock.

2. User management
To enter the user management settings, click the "Family" icon at the bottom left of the screen. This allows you to add family members, manage, add, and delete unlocking information. Follow the prompts in the APP.

Hijacking unlocking settings: When adding or managing fingerprints, passwords, or card unlocking information, turn on the "special password" function. This will send an alarm message to the owner of the device when unlocking with the unlocking information.

3. Temporary unlocking management
Click the "Temporary" icon at the bottom left of the screen to enter the temporary unlocking settings. From there, you can proceed to perform operations related to temporary unlocking information and follow the prompts provided by the APP.

(1) "Time Limit", "Single", and "Empty" are offline passwords. The APP does not need to be close to the door lock when generating these passwords. After generating the password, enter the group of passwords on the door lock to unlock or empty the temporary password. (*The door lock time must be consistent with the current time) Valid time: The "time-limited" password is valid for the set time (used at least once within 24 hours), the "single" password is valid for 6 hours, and the "empty" password is valid for 24 hours.

(2) The "custom" password is an online password that requires being close to the door lock or connected to the network for operation.
(3) On the "mobile phone" page, the door lock can be shared with Pro through the mobile phone or email account. A temporary user expiration date can be set. The other party can open and close the door lock through the Tuya Smart APP.

## 3. Remote function (optional gateway)

Add the gateway and door lock to the app and associate it (operate according to the app prompts), you can realize remote door opening (you need to turn on the remote unlocking option of the door lock in the app), add and delete users, and all operation records will be pushed to the app synchronously.

**The APP operation is for reference only. Please log on to the official website of Tuya for more information.**