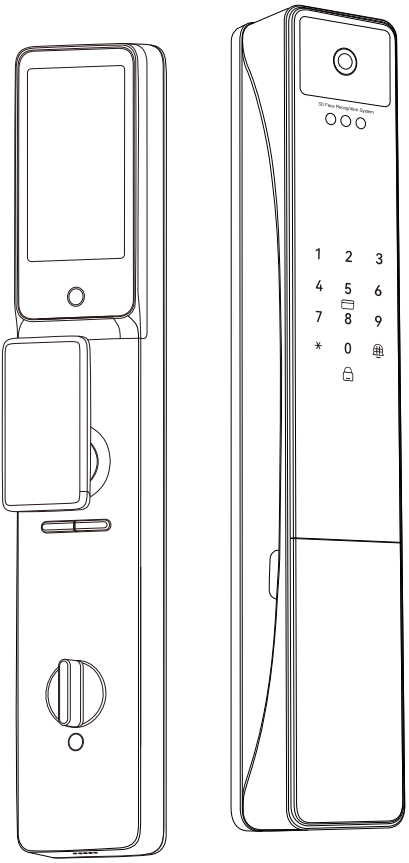
Smart Door Lock
User Manual

HD101



TuYA
Smart Life

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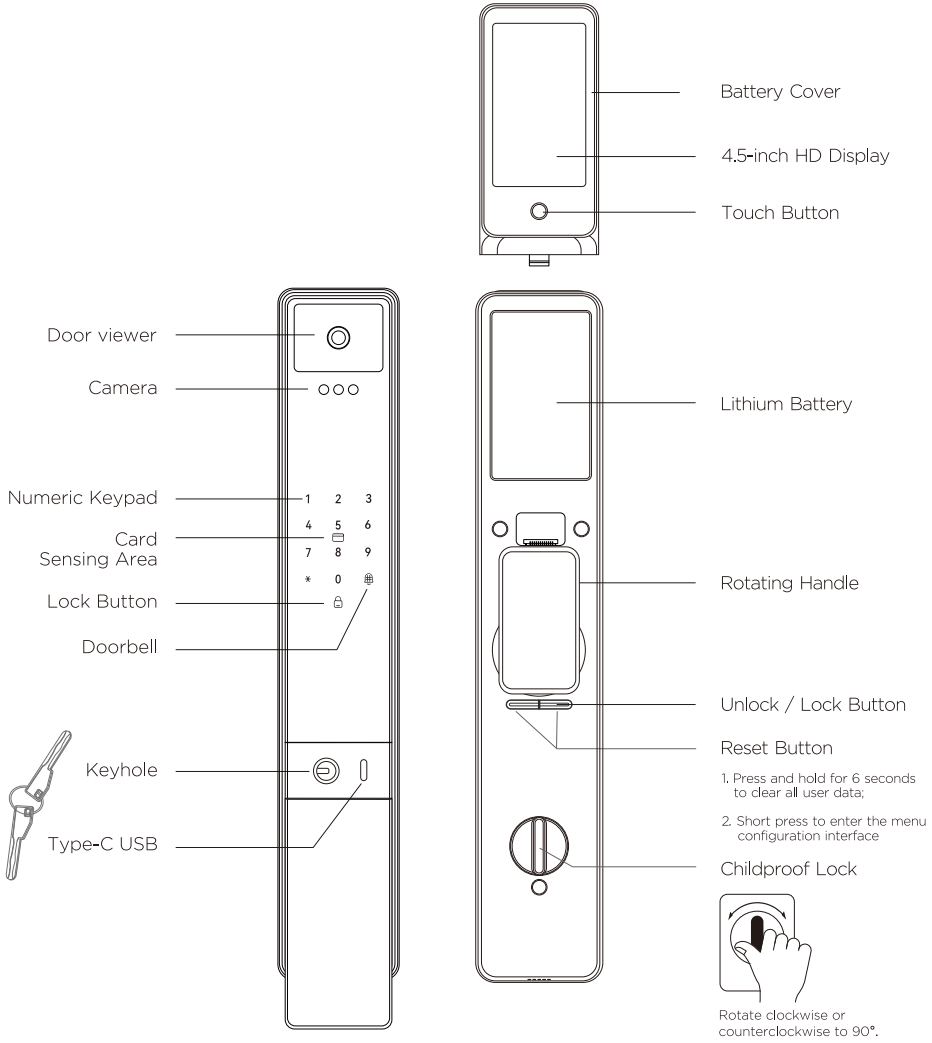
8. Daily Operations.....P14-P16

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⚠Note

***Please read this manual carefully before using the product and keep it properly.**

1. Product Diagram



Reset Button

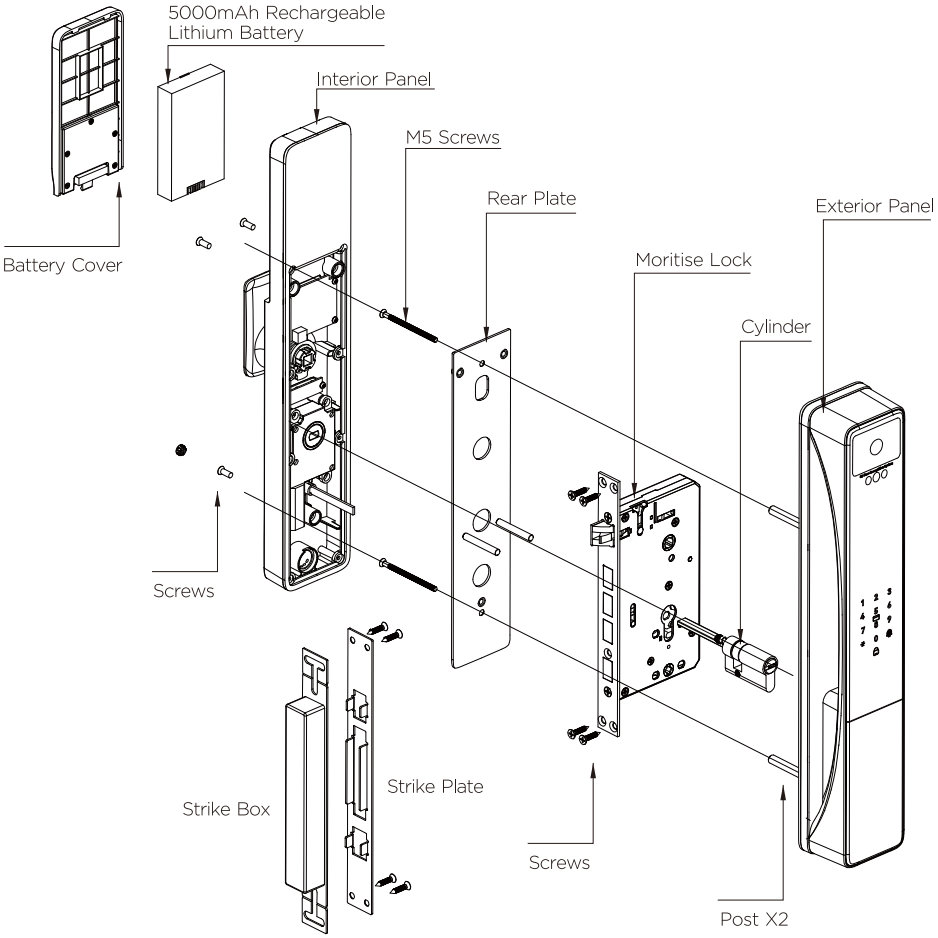
When the door lock is powered on and in sleep mode, press and hold the unlock and lock buttons for 6 seconds. When prompted, press the "#" key to confirm and the factory settings will be restored.

⚠Note Restoring the factory settings will clear all information in the door lock. Please use with caution.

2. Product Parameter

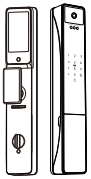
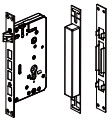
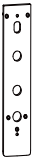
HD101 Basic Parameters	
Product Size	Exterior Panel : 420mm (L) x 74mm (W) x 55mm (T) Interior Panel : 420mm (L) x 74mm (W) x 25mm (T)
Main Materials	Aluminum Alloy & Tempered Glass Panel
Standard Lock Body	6068 Mechanical Mortise Lock / 6068 Electronic Mortise Lock
Unlocking Method	3D Face Recognition / Palm Vein Recognition, Fingerprint, Password, Card Swipe, Mechanical Key
Remote Unlocking	Optional: APP Remote Unlocking via TUYA
Working Voltage	Working Voltage: 6.5V - 8.0V (500mA)
Battery	Supports more than 5,000 operations per charge
protection Grade	IP65
Card Type	IC Card
Rejection Rate	≤0.1%
Fake Acceptance Rate	≤0.0001%
Operation Temperature	-25℃ to 60℃
Rear Lock button	Unlock Key / Close Key / Long press two keys to initialize
Door Thickness	35mm-75mm
Unlocking Capacity & Method	Supports 100 facial recognition users, 100 palm vein users, 100 fingerprint users, 300 passcode users, 300 card users, 2 mechanical keys
Product Features	Unlock App / Virtual Password / One click lock / Unlock / Doorbell Function
Alarm	Supports an alarm after 5 consecutive incorrect password attempts.
System Function	Local capture, 2MP visual intercom door viewer, 140° wide-angle camera, 4.5-inch HD screen, Unlock / Lock notifications, Real-time monitoring, Doorbell call for remote unlock,

3. Explosion Diagram



Product List

After unpacking, check all parts against the list. If any parts are missing, please contact us immediately.

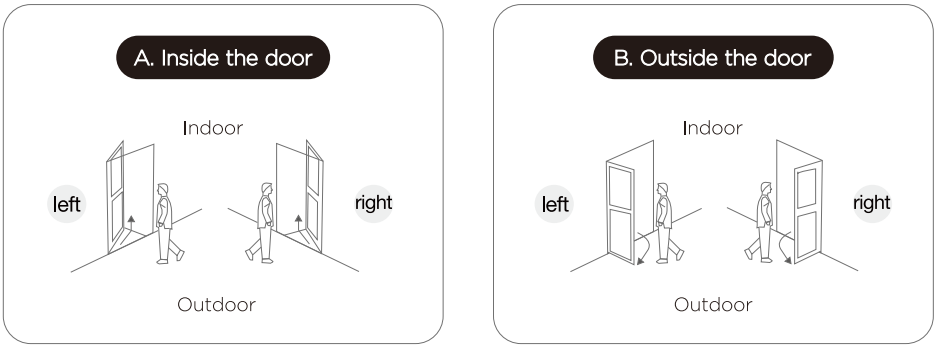
 Exterior & Interior Panel	 Cylinder	 Mortise Lock & Strike Plate & Strike Box	 Rear Plate	 Mounting Accessories	 X2 Keys	 5000mAh Rechargeable Lithium Battery
					 X2 Cards	 Template

4. Important Installation Notes

4.1 Installation Accessories

This product comes with standard installation accessories that fit doors with a thickness of >35mm. For doors with a thickness beyond this range, please inform us in advance.

4.2 Door Opening Direction Recognition

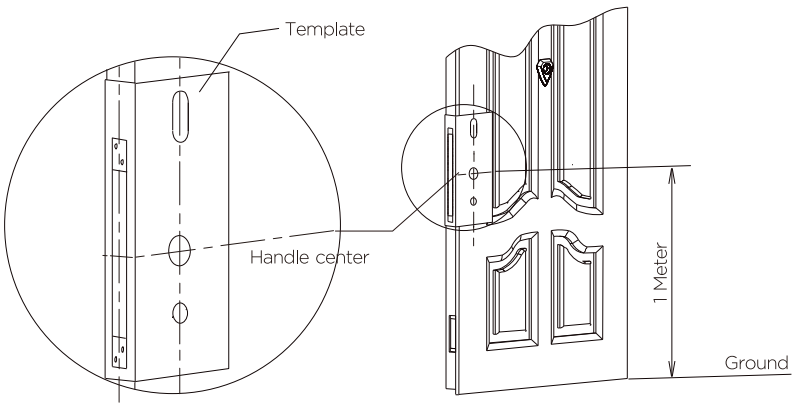


⚠Note Before installing the door lock, please confirm the opening direction of the door.

5. Installation Procedure

5.1. Using Template

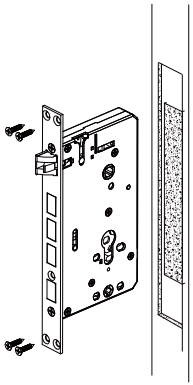
Using the provided template, mark a centerline for the handle on both the exterior and interior sides of the door, 1 meter from the ground. Drill holes as indicated on the template.

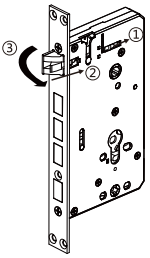


5. Installation Procedure

5.2 Install Mortise Lock

Attach the mortise lock to the door edge using the screws provided.





Note Mortise lock reversal

① Push the direction-switching lever upward.

② Press the latch bolt in.

③ Rotate the latch bolt 180 degrees to change the direction

5.3 Install Exterior Panel

① Insert the lock cylinder into the mortise lock. Refer to Fig. 1.

② Secure the two screw posts to the backside of the exterior panel. Refer to Fig. 2.

③ Feed the cable through the top hole on the exterior side of the door. Press the exterior panel firmly against the door, ensuring the spindle is visible from the interior side. Refer to Fig. 3.

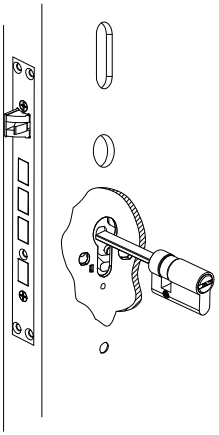


Fig. 1.

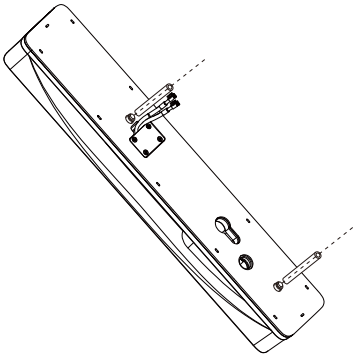


Fig. 2.

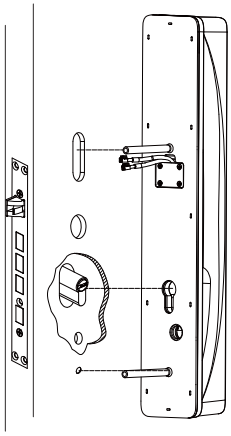


Fig. 3.

5. Installation Procedure

5.4 Install Rear Plate

① Secure the two screw posts to the back of the rear plate. Refer to Fig. 3.

② Thread the cable through the hole in the rear plate, and fasten the rear plate with the provided M5 screws. Refer to Fig. 4.

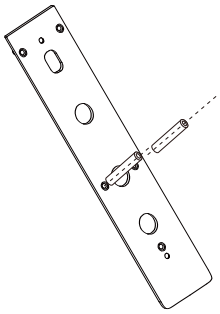


Fig. 3.

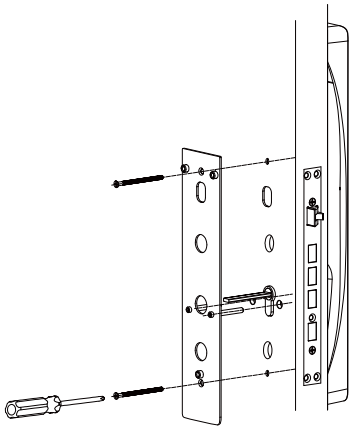
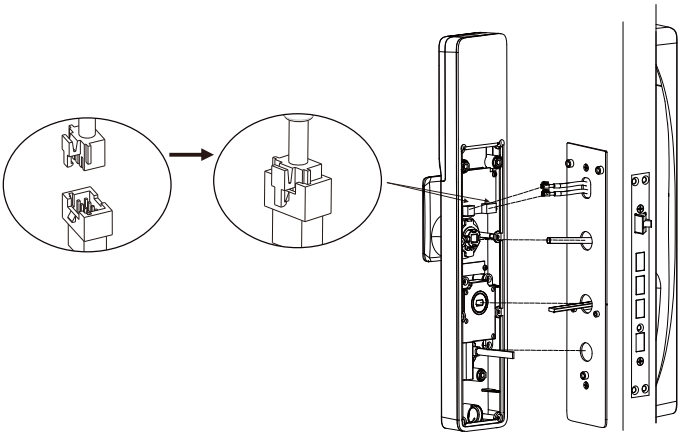


Fig. 4.

5.5 Install Interior Panel

① Connect the cable to the interior panel, ensuring it is securely attached. Press the interior panel firmly against the inside of the door while holding the exterior panel in place. The spindle should now engage with the interior panel.



Fold the cables as shown. Place excess cable into the open space of the door.

⚠Note Be careful not to damage the cable when installing screws.

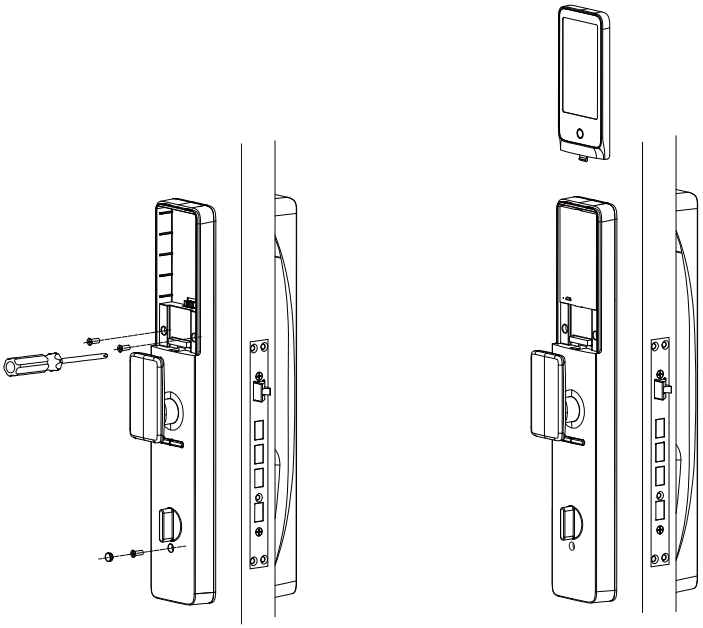
5. Installation Procedure

5.6 Install Rear Plate

② Remove the interior battery cover. Secure the interior panel with the three provided screws.

③ Before installing the battery, check that the latch bolt aligns correctly and operates smoothly with both the interior lever and key. Do not start programming until the latch is confirmed to function properly.

④ Insert the 5000mAh lithium battery, then reattach the battery cover.
Note: Ensure the door is open while installing batteries. Reinstall the battery cover.



⚠Warning statement

① Keep the battery away from fire to prevent explosion.

② Avoid using metal objects to short-circuit the battery terminals, as this can cause an explosion.

③ Make sure that parts replacement is performed by qualified maintenance personnel.

6. Function And Management Settings

6.1 Terminology, Function Key Description

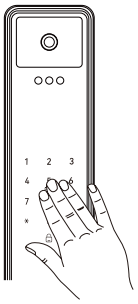
Administrator Information	Refers to the administrator's fingerprint, password, IC card, face recognition, and palm print (ID: 001-009)
Unlock Information	Includes the input of 3D face, palm print, fingerprint, password, or IC card information (for both administrators and general users)
" * " key	Press to clear input. When entering a password, use this key to delete characters. Press five times to clear all input.
" # " key	Confirmation key
Administrator Mode	Press '*' and '#' together to access the administrator menu.
Automatic Locking	The main bolt extends automatically after unlocking.
Relocking Time	The time it takes for the latch to retract and then rebound after unlocking.
Reverse Time	The motor rotation time after automatic locking.

6.2 Initial State (Factory State)

1) In the factory state, the lock can be unlocked using the following methods: palm vein, 3D face recognition, fingerprint, card, or password.

2) Once the administrator information is registered, only registered fingerprints, cards, and passwords can unlock the door.

6.3 Entry Door Lock Function Management



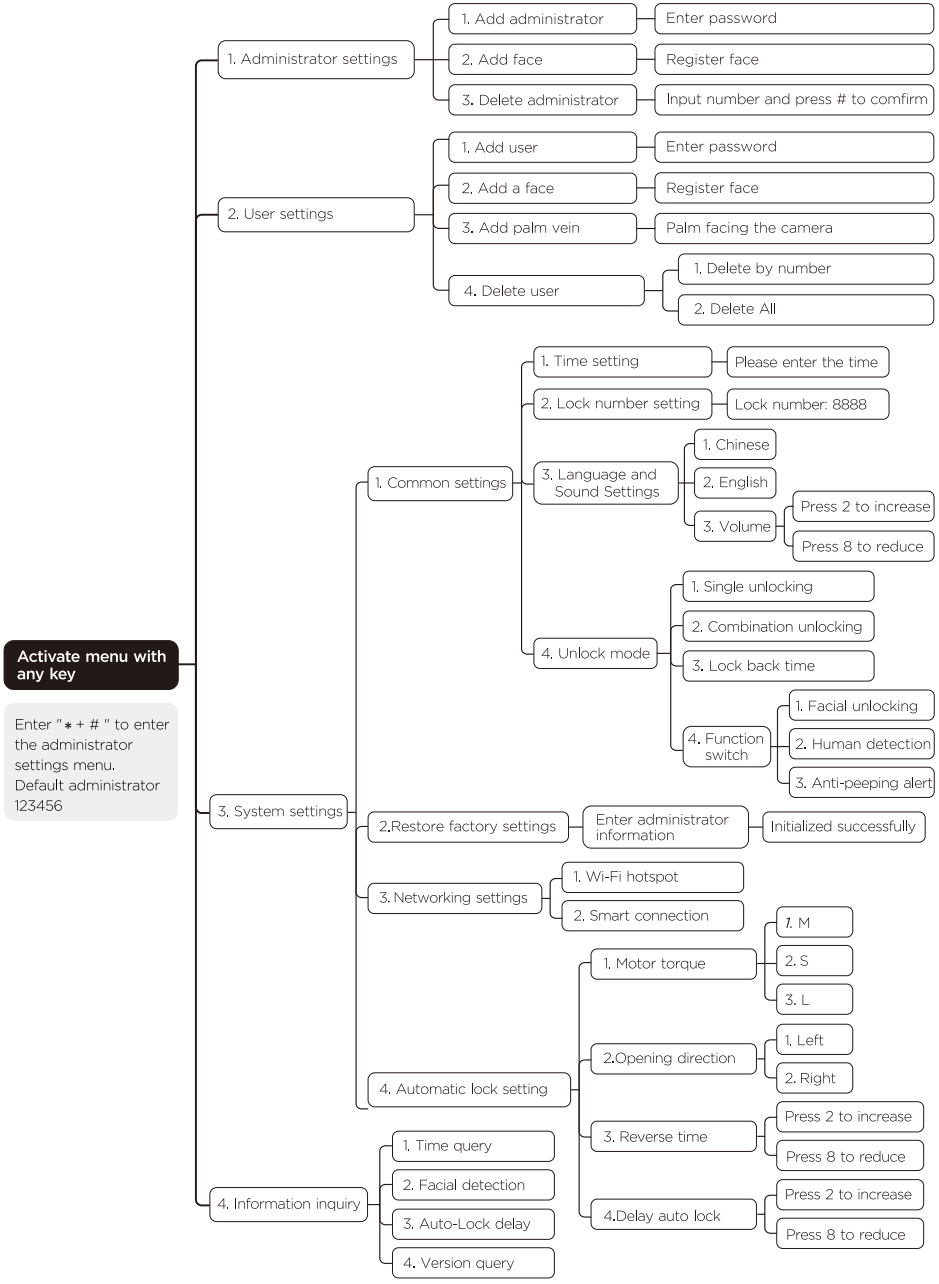
→ In the initial state, touch the keypad to activate the screen, press '*' and '#' to enter the administrator information (default password: 123456)."

→ Voice broadcast:

Administrator settings	Press 1
User settings	Press 2
System settings	Press 3
Information inquiry	Press 4

6. Function And Management Settings

6.3 Terminology, Function Key Description

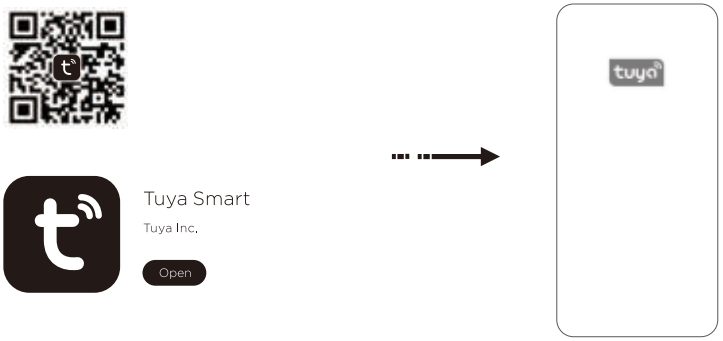


7. Network Settings (Need to download Tuya Smart APP)

7.1. Download and install the Tuya APP

1) Download and install the application software "Tuya Smart" on your mobile phone as shown below;

2) Open the Tuya Smart app and enter the Registration interface. Click Phone Number/Email to bind the relevant QQ account or WeChat account to register.



7.2. Network pairing

1) Enter "#" to enter the administrator and enter the correct administrator information;

2) Press 1 to enter system settings, press 1 to turn on WiFi, and press 2 to select WiFi network configuration;

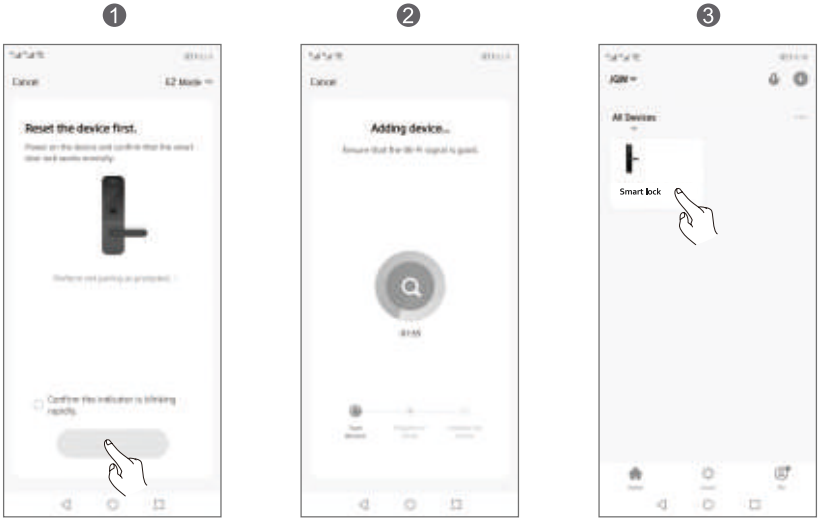
3) Log in to TUYA Smart Lock with your registered account, then display "Add Device" and select "Camera/Lock", then select "Lock WiFi", enter the WiFi name and password, and press "Next" to enable network pairing between the lock and the App.



7. Network Settings (Need to download Tuya Smart APP)

7.2. Network pairing

4) Click "Confirmation indicator flashes quickly" and then press "Next". It takes a while to assign the network, please be patient. Once the network is paired successfully, the device (locked) will be displayed on the App.



7.3. Remote unlock

Press the "doorbell" to request unlocking. After the WeChat control interface on the mobile phone receives the unlocking request, it will automatically pop up the question "Do you allow remote door opening this time?" After confirming that it is safe, click "Confirm" to remotely unlock.



7. Network Settings (Need to Download Tuya Smart APP)

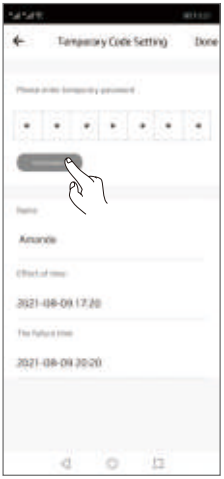
7.4. Remote Dynamic Password

Press "Remote dynamic password" to generate a 8 digits password and sharing with your friend or family member no matter whether you are.



7.5. Temporary Password

Press "Temporary password" on App to generate 7 digits passwords which is valid in a certain time, minutes, hour or months etc.



7. Network Settings (Need to Download Tuya Smart APP)

7.6. Hijack Alarm

Enter number of registered card, password and fingerprint information of the lock in the "member management", you can mark some user information on the APP as anti-hijacking ID. The hijacking alarm will be triggered when the unlocking recora of such anti-hiiacking ID occurs on the door lock.

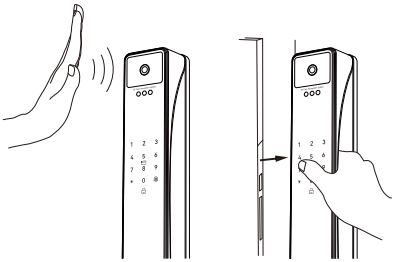




8. Daily Operations

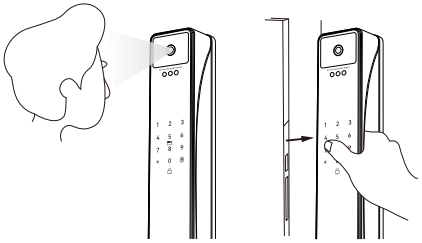
8.1 In common mode

1. Palm Vein **Unlock**



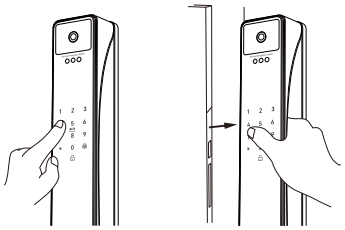
Place your palm facing the smart lock's camera at a distance of 20-30 cm. Hold for 1-3 seconds until you hear "unlock," indicating successful unlocking.

2. 3D Face Recognition **Unlock**



Tap the panel, enter the registered password, press the "#" key to confirm. Once password verification is successful, a voice will say "unlock." Please press the handle to unlock.

3. Password Unlock



Tap the panel, enter the registered password, press the "#" key to confirm. Once password verification is successful, a voice will say "unlock." Please press the handle to unlock.

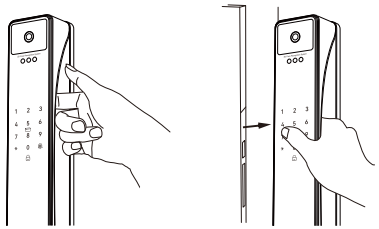
Note Anti-peeping function: When logging in with a password, enter the password in the format: "XXX password XXX". You can add irrelevant numbers before and after the password, but the actual password must be included in the input. "XXX" indicates fake passwords. The total input (including the actual password and fake numbers) must not exceed 20 digits.

For example: "12password12345", "password12", "1234password12", "1234567password".

8. Daily Operations

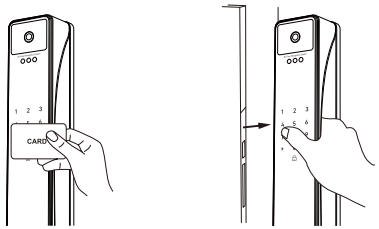
8.1 In common mode

3. Fingerprint unlock



Place your finger on the fingerprint sensor. When you hear the system prompt "unlock" , indicating successful unlocking.

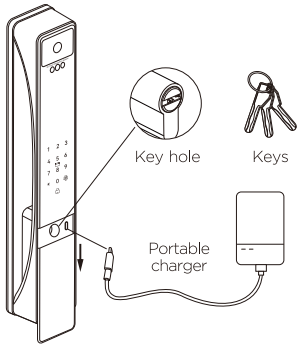
4. Card unlock



Put the registered card on the card area of key board, card verification success then voice plays "unlock", indicating successful unlocking.

8.2 Emergency opening method

1. Mechanical key unlock



① In case of an emergency, forgot the password, the battery runs out and if the system is not working properly, the spare mechanical key can be used to open the lock.

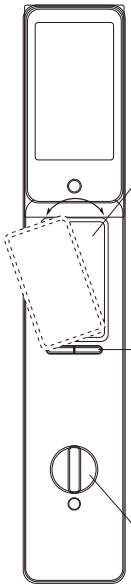
Input the key on the key hole (bottom at the end of outside panel) then turn the key unlock.

② When the battery is exhausted and there is no key, you can connect an external power bank with C-type USB (bottom at the end of outside panel) for emergency power supply, and unlock the door as the normal operation steps.

When the voltage is lower than 4.8V, the low voltage alarm will be prompted every time you open the lock. Please replace the battery in time.

8. Daily Operations

8.3 Exterior panel introduction



① Rotate clockwise to 90° open the door.
② Counter clockwise to 90°close the door.

Unlock / Lock Button

① Press the right button to open the door.
② Press the left button to close the door.

Restore factory settings

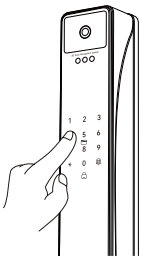
Press and hold the [Erase] delete button on the panel for 6 seconds to enter the factory reset mode. All unlocking information and records will be cleared.

Childproof Lock



Rotate clockwise or counterclockwise to 90°.

8.4 Trial and Error Locking



When there are 3 or more consecutive errors of fingerprints, passwords, or card entries within 5 minutes, an audible and visual alarm will be triggered.
If there are 5 or more consecutive errors within 5 minutes, the system will freeze for 90 seconds. During this 90-second period, no fingerprints, passwords, or cards can be recognized..

⚠Note

If there is no operation for more than 10 seconds, the system will automatically exit.

9. Daily Maintenance

1) Avoid contact with corrosive substances

Do not let the lock surface come into contact with corrosive substances to prevent damage to the protective layer and maintain the aesthetic of the lock.

2) Handle care

The handle is a key component of the door lock, and its flexibility affects overall functionality. Don't hang objects on the handle.

3) Door alignment

If the door is deformed, excessive friction may occur when the lock tongue contacts the door frame, preventing full extension. In such cases, adjust the position of the strike plate accordingly.

4) Fingerprint collection window cleaning

If the fingerprint collection window becomes dirty after long-term use, clean it gently with a soft, dry cloth to avoid damage.

5) Battery replacement

After the low battery alert, replace the batteries immediately to ensure the door lock continues functioning. Pay attention to the correct polarity when inserting new batteries.

6) Key management

Keep keys stored safely and consider placing a spare key in a secure location outside the home for emergencies.

7) Avoid scratching the sensor

Avoid scratching the fingerprint collection window or touchscreen with sharp objects.

8) Fingerprint placement

When using the fingerprint sensor, ensure that your finger is placed flat on the fingerprint reader for accurate recognition.

9) Lubrication for flexibility

If the lock does not turn smoothly or maintain the proper position, seek professional assistance to lubricate the lock mechanism.

10) Rotating parts maintenance

Regularly lubricate the rotating parts of the lock to ensure smooth operation and extend the lifespan of the lock.

11) Periodic checkups

It is recommended to inspect the lock every six months to a year, checking that screws are securely tightened and adjusting as needed.

12) Key insertion issue

If the key is difficult to insert, apply a small amount of graphite or lead powder to the lock core to ensure smooth operation. Avoid using oil-based lubricants, as this could cause the mechanism to stick and prevent proper use.