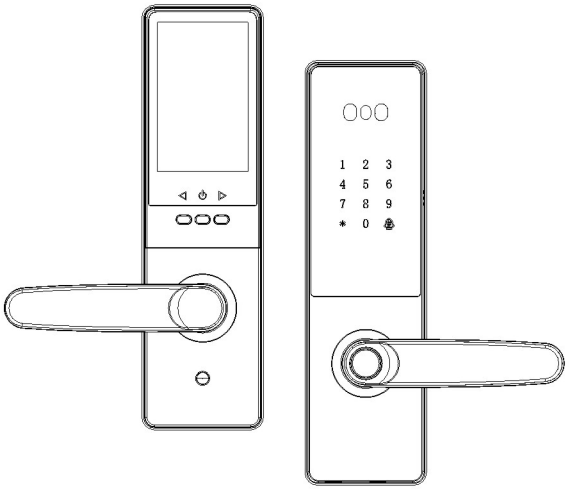
Tuya Smart



Operation instruction

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5. Pre-installation of Bamboo Joint Screws
6. Install the Lock Body
7. Install the Square Rod (Square Steel Rod)
8. Install the Front and Rear Lock Assemblies

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Tuya Smart-related Operations 11/29

Functions and Operations

1. Terminology and Function Keys

1) Press and hold the "*" button for 5 seconds: Restore factory settings.
2) Administrator information: Manage fingerprints/passwords/IC cards.
3) Unlocking information: Includes administrator and user information.
4) Press the "*" key: Clear the entered password.
5) Press the "*" and "#" keys simultaneously: Enter settings mode.

2. Initial State

1. In the initial state, any face, fingerprint, 6-digit or longer password, or card can unlock the door.
2. In system sleep mode, press and hold the initialization button for 5 seconds to restore the door lock to its initial state.
3. The default administrator password in the initial state is 123456.

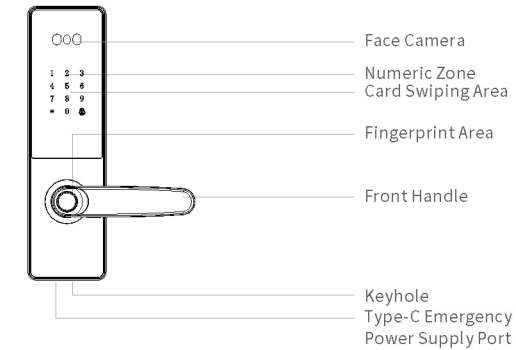
3. Language Setting (Under Initial State)

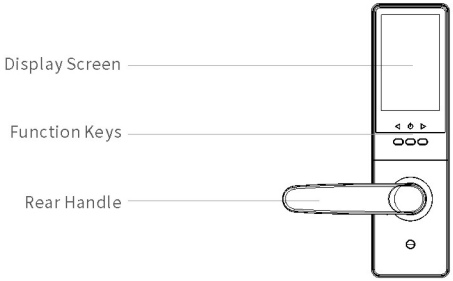
Shortcut Keys	Language	Shortcut Keys	Language
7100#	Chinese	7108#	Indonesian
7101#	English	7109#	Brazilian Portuguese
7102#	Arabic (Display in English)	7110#	French
7103#	Russian	7111#	Hebrew
7104#	Portuguese	7112#	Turkish
7105#	Thai (Display in English)	7113#	Kazakh
7106#	Spanish	7114#	Uzbek
7107#	Vietnamese	7115#	German

Parameters

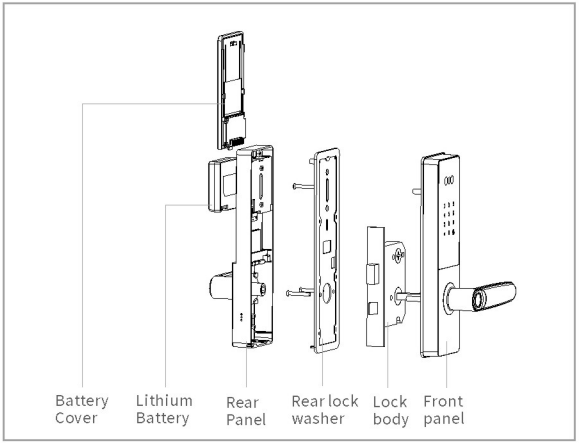
Content	Specifications
Power Supply	DC 7.4V Lithium Battery
Low Voltage Warning	<6.9V
Emergency Power Supply	5V (TYPEC USB)
Static Current	<110μA (excluding peephole module)
Keyboard	Capacitive Touch
Keyboard Backlight	White Light
Front Speaker	8Ω 1W
Total User Capacity	250 (Face + Fingerprint + Password + Card)
Administrator User Quantity	3
Face Capacity	50 (determined by the facial recognition module)
Fingerprint Capacity	100 (determined by the fingerprint module)
Fingerprint Type	Semiconductor Fingerprint Module
Card Type	High-frequency Mifare Card / Mobile NFC Card
Card Sensing Distance	0-40mm
Human Detection	Radar Detection
Human Detection Distance	0.8 meters to 1.5 meters adjustable
Operating Temperature	-20°C~60°C
Operating Humidity	10%~90%, Condensation-free
Storage Temperature	-30°C~70°C
Electrostatic Discharge (ESD) Protection	Contact discharge ±8kV, Air discharge ±15kV

Product Overview

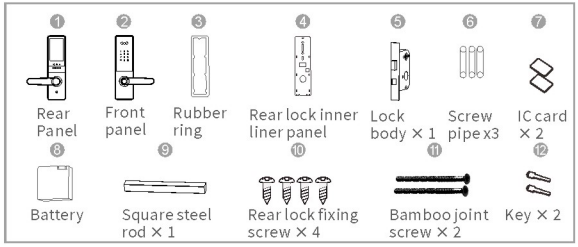




Door Lock Diagram



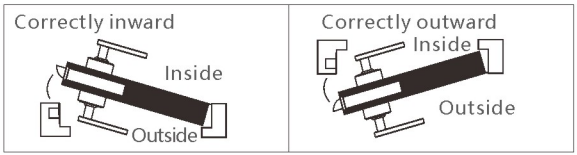
1. Accessories



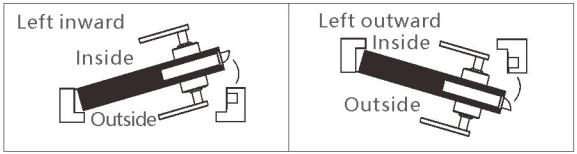
Door Lock Installation Tutorial

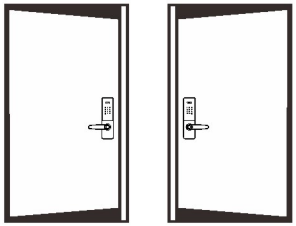
1. Door Opening Direction

① Turn the right handle open



② Turn the left handle open





Left unlock　　Right unlock

2. Lock body reversal

Adjust according to the actual door opening direction.



The lock latch in the picture is set for a left-hand door opening inward. If the opening direction is opposite, reverse it according to Figure 2 and Figure 3.



Figure 2

1. First, push the buckle upwards.



Figure 3

2. The lock latch will pop out. Rotate it 180°, then press it inward. The latch should have spring-back action. Adjustment is now complete.

3. Preparations before installing the front lock assembly.



Press down the handle to expose the screw, loosen the handle fixing screw, and then remove it.



After adjusting the handle to the required opening direction, press down the handle and re-tighten the fixing screw. The handle will spring back, indicating a successful reversal.



On the stud of the front lock inner liner panel, screw on the screw pipe and tighten it with pliers.

4. Preparations for installing the front and rear lock assemblies.

Rear panel handle reversal.



Loosen the handle fixing screw and remove it.



After adjusting the handle to the required opening direction, re-tighten the fixing screw. The handle will spring back, indicating a successful reversal.



Remove the rear lock battery compartment cover.

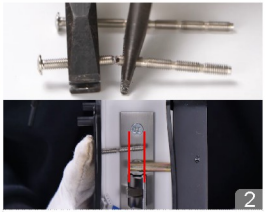


Install the rubber ring onto the rear lock inner liner panel.

5. Pre-installation of bamboo joint screws and tailpiece.



Place the bamboo joint screw into the screw hole on the rear lock. Measure the required length of the screw based on the door thickness. Fit it against the door frame, mark a point that is one centimeter shorter than the frame.



Use pliers to cut off the excess part. The bamboo joint screw should align with the screw pipe on the front lock.

Begin installation.

6. Install the lock body.

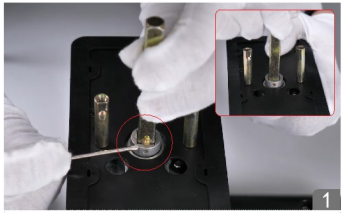


With the lock latch facing upward, insert the lock body into the door's lock cavity (mortise).

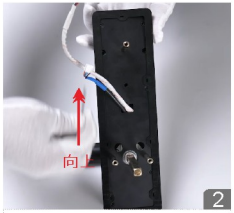


Tighten the lock body fixing screws.

7. Install the square rod.



Insert the square rod into the square hole of the front lock precision casting. (Note: The dot on the square rod should snap into the small hole.) Then, rotate the square rod slightly to check for any obstruction.



The triangle on the precision casting needs to be rotated to face upward.

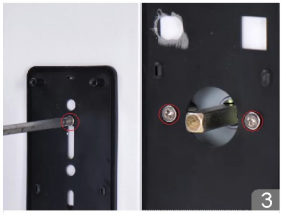
8. Install the front and rear lock assemblies.



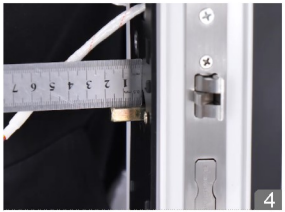
Align the square rod with the square hole of the lock body. Pass the power cable from the outside of the door to the inside. Close the panel flush against the door surface.



Pass the power cable through the rear lock inner liner panel. Ensure the rubber ring fits snugly against the door surface. (Pay attention to the alignment of the holes.)



Using the pre-cut bamboo joint screw, align it with the screw pipe on the front lock and tighten it in.



The square rod should protrude flush with the door surface. Mark it at a point 1-3 cm beyond that, then cut off the excess portion.



Connect the power cable and the peephole camera cable (if applicable).



Tuck the power cables inside the door. Align the square hole of the rear lock precision casting with the square rod and close the panel. Then, rotate the handle to check if the operation is smooth.



Tighten the rear lock fixing screws at the top and bottom of the rear lock assembly.



Insert the batteries into the battery compartment. (Pay attention to the polarity/contacts.)



Press and hold the SET button (located below the batteries) for 5 seconds, then press the “#” key to restore factory settings.



Put on the battery compartment cover.



Installation Complete

Door Lock Setup Tutorial

1、System menu

When the keyboard lights up after being touched, press * + # to hear the voice prompt: "Please verify administrator."
Initial state: Enter the default administrator password "123456" to access the system menu.
Non-initial state: Enter administrator information (users with IDs 001-003 are administrators).

Menu Structure		
1. User Management	1. Add Fingerprint Password Card	
	2. Add Face	
	3. Delete User	
	4. Add Palm	
2. Remote Management	1. Network Settings	
	2. Temporary Password	
3. System Settings	1. Time Settings	
	2. Unlock Settings	1. Verification Mode
		2. Automatic Locking
		3. Tamper-proof Settings
		4. Human Detection
	3. Volume Settings	1. Low Volume
		2. High Volume
	4. Restore Factory Settings	
4. System Query		

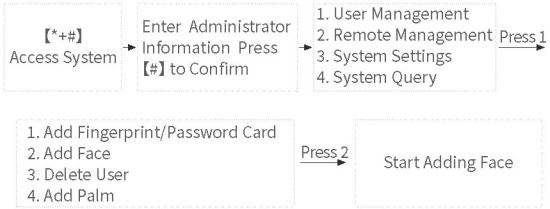
2. User Management

1) Add User Information (Default Administrator Password: 123456)



Assigned numbers start from 001 in sequential order. The first three added users are default administrators (numbers 001–003). After successfully adding the first administrator, press the # key to switch to adding regular users. Voice prompt: "Add Administrator" (for IDs 001-003) or "Add Regular User" (for IDs 004-250). You can now input fingerprint, password, or swipe card. Fingerprint requires 6 consecutive inputs, password needs to be entered twice with 6-12 digits.

2) Add Face



The assigned numbers start from 001 in sequential order. The first three users added are default administrators (numbers 001–003). After successfully adding the first administrator, you can press the # key to switch to adding regular users.
Voice Broadcast: "Add Administrator" (ID 001-003) or "Add Regular User " (ID 004)-250) "Please face the camera", face registration is divided into 5 directions

1) First, face the camera directly. After successful capture, the voice prompt will say: "Please raise your head slightly."
2) Tilt your head slightly upward. After successful capture, the voice prompt will say: "Please lower your head slightly."
3) Tilt your head slightly downward. After successful capture, the voice prompt will say: "Please tilt your head to the left."
4) Tilt your head slightly to the left. After successful capture, the voice prompt will say: "Please tilt your head to the right."
5) Tilt your head slightly to the right. After successful capture, the voice prompt will say: "Registration successful."

3) **Delete User**

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 1

1. Add Fingerprint/Password Card
2. Add Face
3. Delete User
4. Add Palm

Press 3 → Enter the user ID to be deleted

Voice prompt: "Please enter the user ID"
You may now input the user ID to be deleted and press # to confirm deletion.
Note: Administrator account 001 can only be deleted through an initialization operation.

4) **Add Palm**

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 1

1. Add Fingerprint/Password Card
2. Add Face
3. Delete User
4. Add Palm

Press 4 → Start Adding Palm

The assigned numbers start from 001 in sequential order. The first three users added are default administrators (numbered 001–003). After successfully adding the first administrator, you can press the # key to switch to adding regular users.
Voice prompt: "Add administrator" (for IDs 001-003) or "Add regular user" (for IDs 004-250). Position your palm facing the camera at a distance of approximately 10-30 cm. After successful capture, the voice prompt will announce: "Registration successful."

3. Remote Management

1) **Network Settings** (Default administrator password: 123456)

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 2

1. Network Settings
2. Temporary Password

Press 1 → The key "5" starts blinking, indicating the door lock has entered pairing mode.

You can now use a mobile app or WeChat mini-program to proceed with network configuration.

2) **Temporary Password**

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 2

1. Network Settings 2. Temporary Password — Press 2 → Please enter the pairing code.

You can now use the WeChat mini-program to add the device, generate a 10-digit pairing code, and enter it into the door lock to complete the temporary password setup.

4. System Settings

1) **Time Settings** (Default administrator password: 123456)

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 3

1. Time Settings 2. Unlock Settings 3. Volume Settings 4. Restore Factory Settings — Press 1 → After the current time is announced, the keyboard backlight will turn on. Enter a 10-digit time value and press # to confirm.

You can now enter the date and time to be set (2-digit year, 2-digit month, 2-digit day, 2-digit hour, 2-digit minute). For example, for May 1, 2025, 9:35 AM, enter **2505010935#**.

2) **Unlock Settings**

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 3

1. Time Settings 2. Unlock Settings 3. Volume Settings 4. Restore Factory Settings — Press 2 → 1. Verification Mode 2. Auto-lock 3. Tamper-proof Settings 4. Human Detection

You can now press the corresponding number keys to configure the functions:

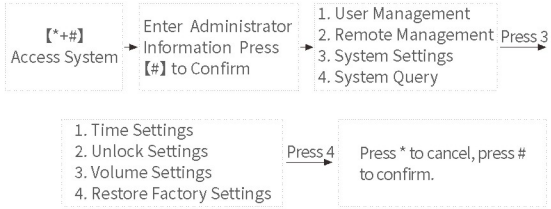
1. Verification Mode: Single unlock/Combination unlock. In combination authentication mode, administrators can unlock directly, while regular users need to verify two different users to unlock.
2. Auto-lock: Enable/Disable. Default is disabled. The lock automatically locks 5 seconds after unlocking.
3. Tamper-proof Settings: Enable/Disable. Controls whether the tamper alarm function is active.
4. Human Detection: Human detection wake-up function. Users can select (High/Low/Off). In areas with frequent human activity, it is recommended to turn this off to extend battery life.

3) **Volume Settings**

【*+#】 Access System → Enter Administrator Information Press 【#】 to Confirm → 1. User Management 2. Remote Management 3. System Settings 4. System Query — Press 3

1. Time Settings 2. Unlock Settings 3. Volume Settings 4. Restore Factory Settings — Press 3 → 1. Low Volume 2. High Volume

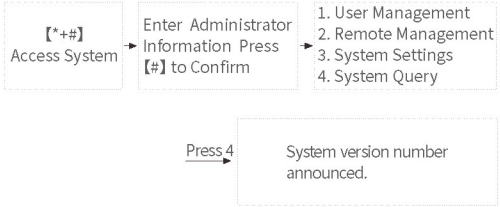
4) Restore Factory Settings



Press # to restore factory settings, or press * to cancel the operation.
Voice prompt: "Restoring factory settings," "Operation successful."

5. System Query

(Default administrator password: 123456)



6. Human Detection

1. The effective detection range for human presence can be set between approximately 0.8 meters and 1.5 meters. When a person approaches within this effective recognition range, the door lock will wake up and begin facial comparison.
2. If the door lock is installed in an area with frequent foot traffic, it is recommended to turn off the human detection function to prevent unnecessary activations by passersby, which could lead to excessive power consumption.

7. Low Battery Alert and External Power Supply

1. When the door lock battery voltage drops below 6.9V, the system will prompt "Battery level low" upon each activation. Please recharge the battery as soon as possible.
2. If the door lock battery is depleted and cannot unlock, use a 5V USB power source from outside the door for emergency unlocking.
3. After emergency unlocking, remove the battery and charge it with a dedicated 5V charger. Once fully charged, the battery can be reused.

8. Wi-Fi Operation Instructions

Please refer to the corresponding network system manual for Wi-Fi setup operations.

9. Error Attempt Alarm

If incorrect user information is entered consecutively more than 5 times, the system will lock for 90 seconds and will not respond to any operations.

10. Anti-Peeping Password

For example, if the password is 123456, you can enter 96581234562875 — meaning you can add irrelevant digits before and after the actual password, then press # to confirm. The maximum input length is 24 digits.

Tuya Smart Related Operations

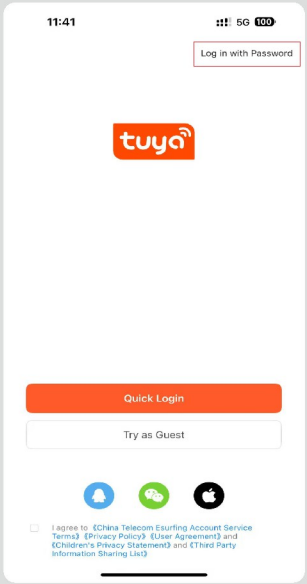
6 Note: If no user is registered, any fngerprint can be used to unlock it. Indoor Smart Lock Bluetooth Tuya Operation Guide APP Introduction and Acquisition

Application market

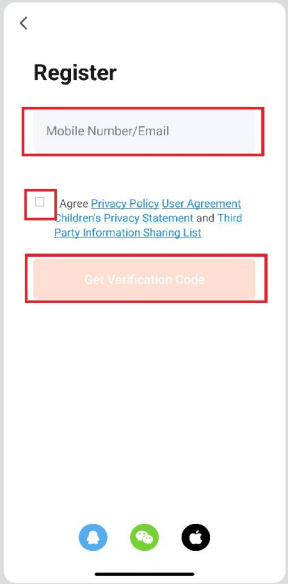
Apple store

The “Tuya Smart APP” is an intelligent device management app provided by Tuya for end consumers. Through the 'Tuya Smart APP', you can easily confgure and control smart products throughout your home, set up your favorite scenes and automation solutions, and share your smart devices with family and friends to enjoy the fun of a fully smart home. Download the APP: Search for 'Tuya Smart' in the app market or the 'Apple App Store' or scan the above Tuya APP QR code to download, enabling phone Bluetooth unlocking and locking functions.

1. Download the Tuya Smart APP from the mobile app market
2. Turn on the phone's Bluetooth and location, and open the Tuya Smart APP



1.Click the register button in the upper right corner.

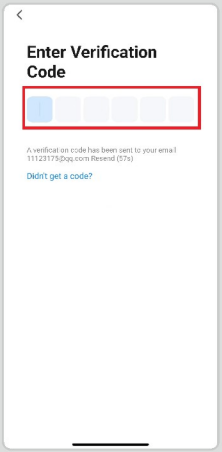


2.Enter your mobile number or email address and click "Get Verification Code".

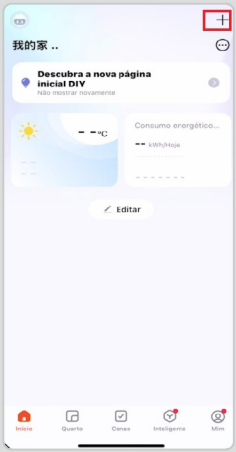
The phone's Bluetooth and location services need to be enabled. When entering the homepage for the first time and no smart lock has been added yet, you can directly click the "Add Device" button or tap the icon in the upper right corner. Press the # key to add. Device (In the initial state of the door lock, press "*" + "#" to enter the system. Enter the default password 123456 and press the # key to confirm. The steps are as follows.

Press `*+#` to enter the system. → Enter adminis-trator information and press `#` to confirm. → 1. User Management 2. Remote Management 3. System Settings 4. System Query → Press 2 → 1. Network Settings 2. Temporary Password → Press 1 → Network connection

(1) Touch the screen or press your fingerprint to wake the keyboard. Enter `*+#` to input administrator information, then press `#` to confirm.
(2) Press `2` to enter remote management, then select `1` for network settings.
(3) The system will prompt: "Network configuration in progress, please open the app to pair."



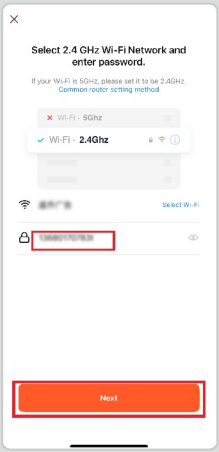
3.Enter the verification code to complete registration.



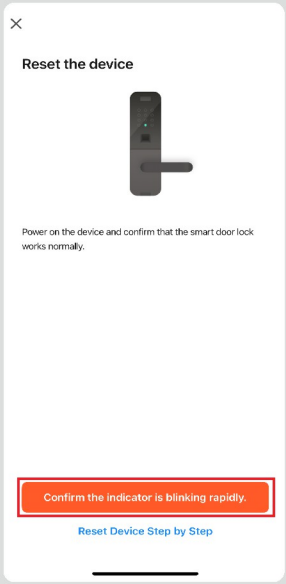
4.Click the icon in the upper right corner Add device.



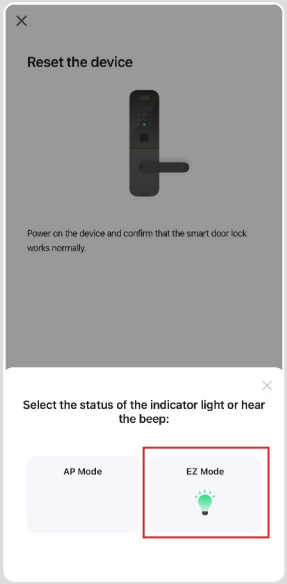
5.Select "Camera/Lock", then click "Door Lock/WiFi".



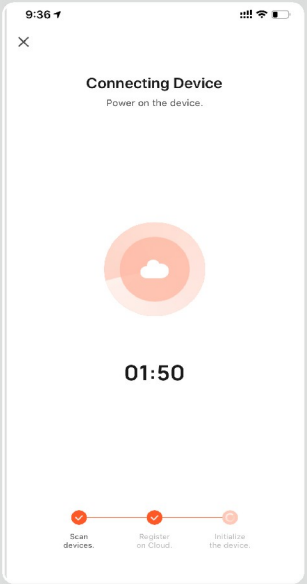
6.Select your home's 2.4G Wi-Fi, enter the Wi-Fi password, and then click Next.



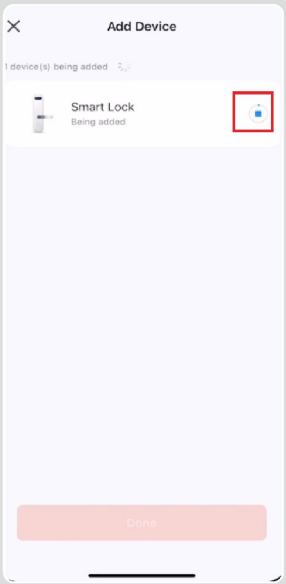
7.Click confirm, the keyboard backlight will flash rapidly.



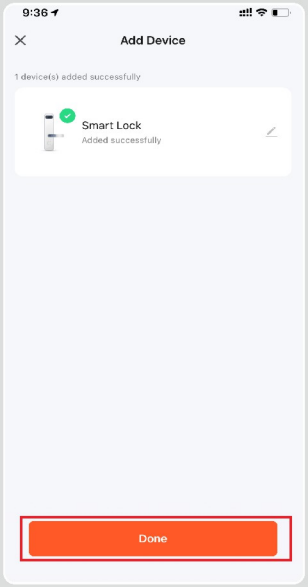
8.Click "WiFi Quick Connect".



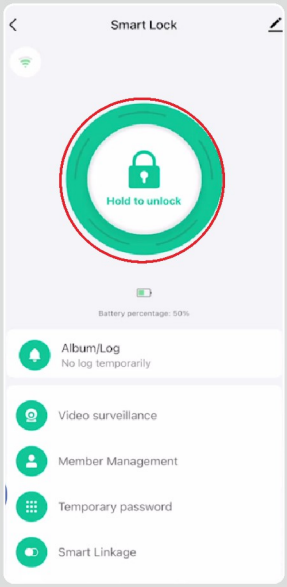
9.Searching for devices to connect...



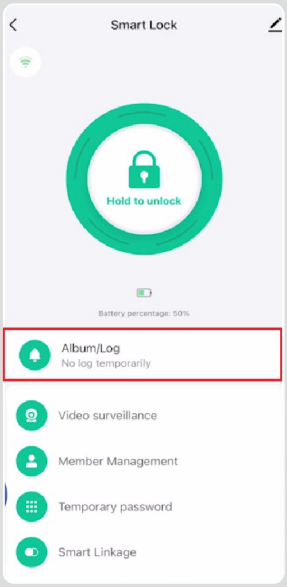
10.Connecting...



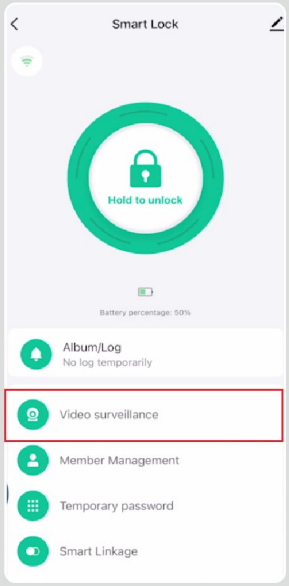
11.Adding device... Added successfully. Click "Done".



12.Long press the lock icon to unlock the door with your phone.



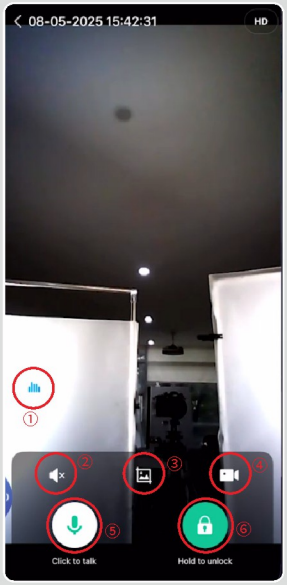
13.Click "Album/Logs" to check the door lock status.



15.Click on video surveillance.,

①Click the "Voice" icon to select voice change options.

②Click the "Speaker" icon to hear sounds from outside the door.



③Click the "Picture" icon to capture a screenshot.

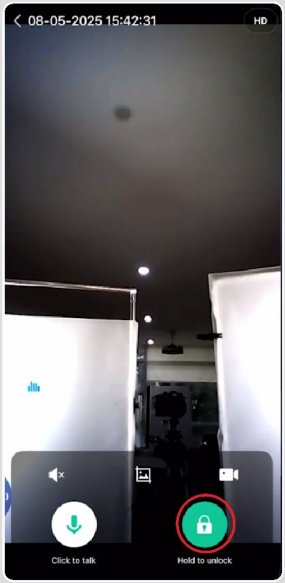
④Click the "Record" icon to start screen recording.

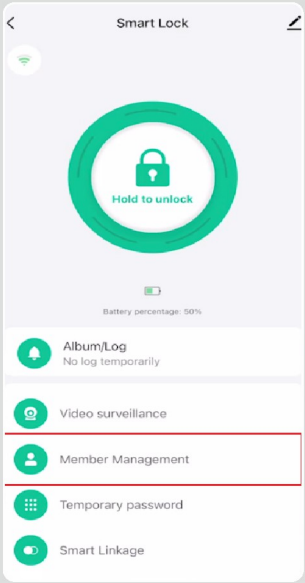
⑤Click the "Microphone" icon to start remote intercom.

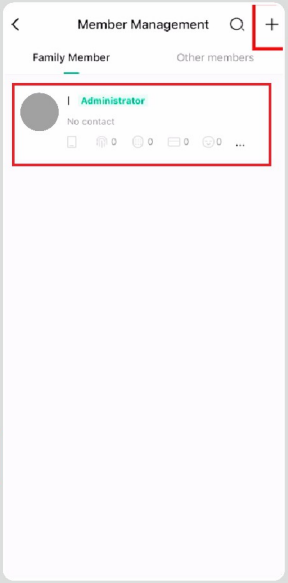
⑥Long press the "lock" icon to unlock the door with your phone.

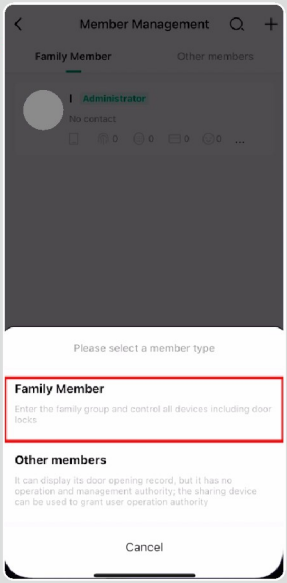


17.Press the doorbell, and when your phone receives the unlock request, tap "Answer".







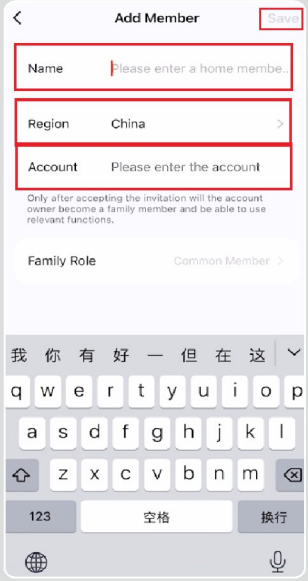


18.Long press the "lock" icon to unlock the door with your phone.

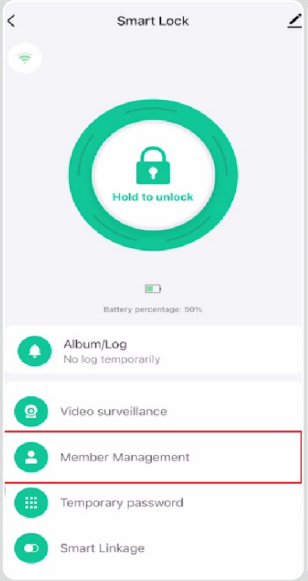
19.Member Management

①Click "Member Management", then tap the "+" icon in the upper right corner. Select the member type according to your needs and choose "Family Member".

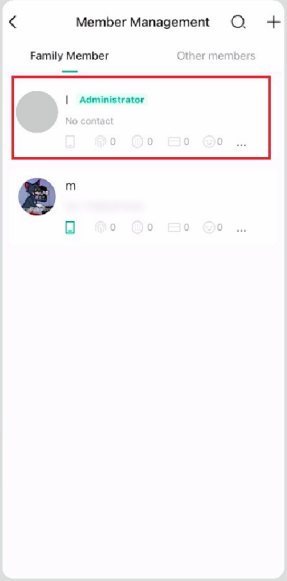
Member Management: Add Fingerprint/Password/Access Card/Facial Recognition/Palm Print



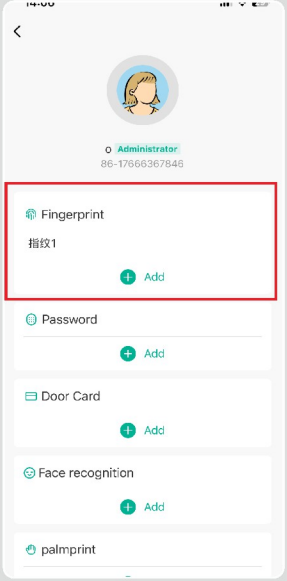
②Enter "Name", "Region", and "Account", then click "Save".



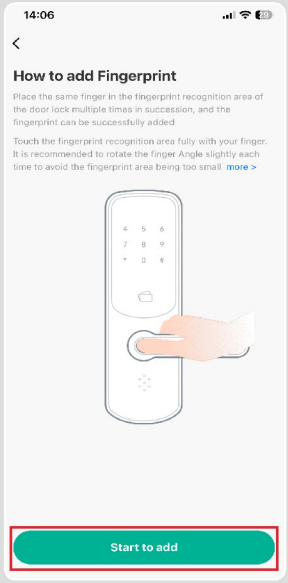
1)Add fingerprint.
①Click on Member Management.



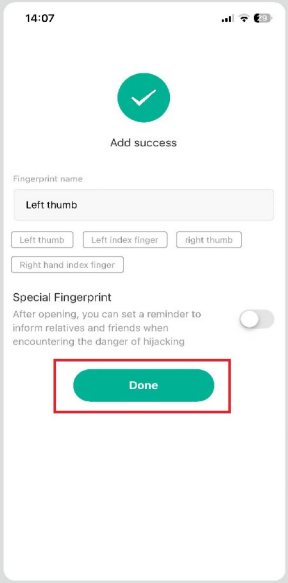
②Family members: Click to select the member you wish to add.



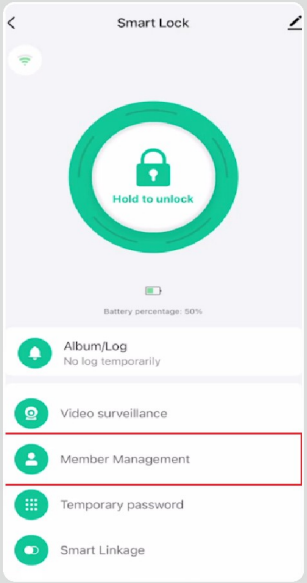
③Add fingerprint.



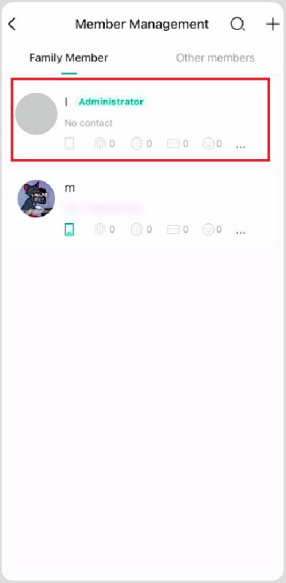
④Start adding.



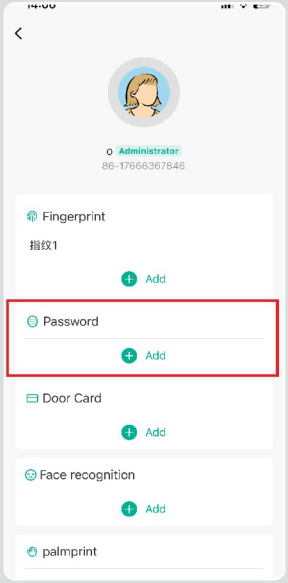
⑤Fingerprint added successfully.



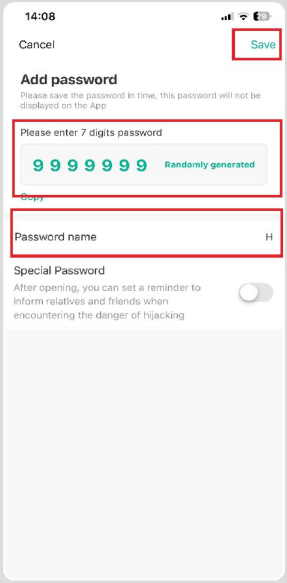
2)Add password.
①Click on Member Management



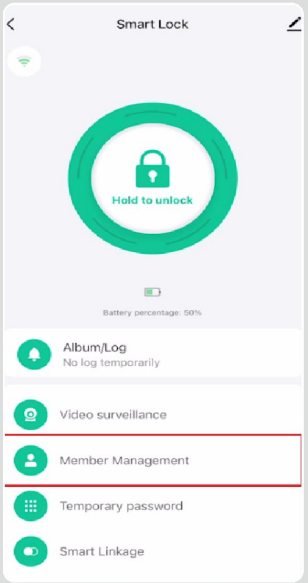
②Family members: Click to select the member you wish to add.



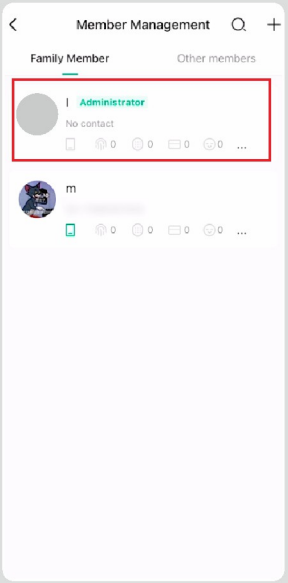
③Add password.



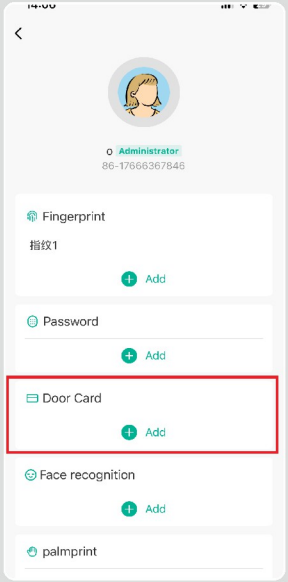
④Enter a 7-digit password, assign a password name, click save, and the addition will be successful.



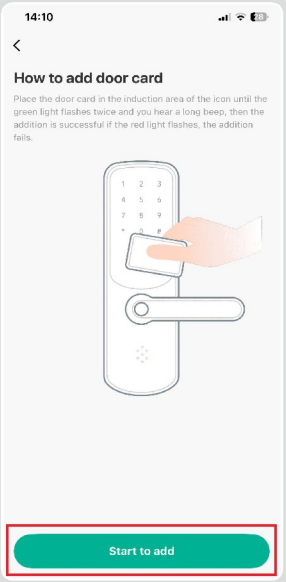
3)Add access card.
①Click on Member Management



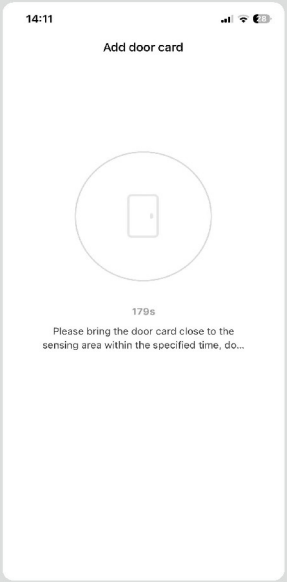
②Family members: Click to select the member you wish to add.



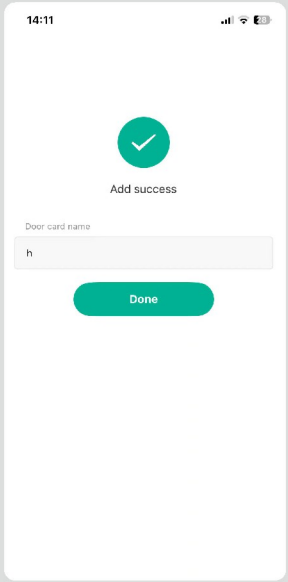
③Add access card.



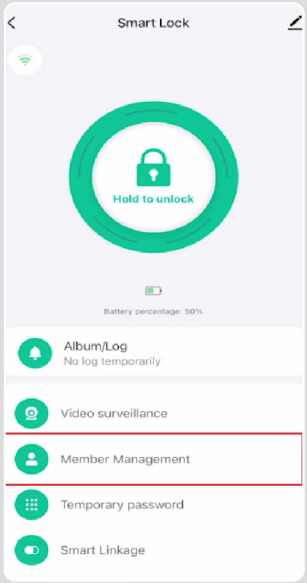
④Start adding.



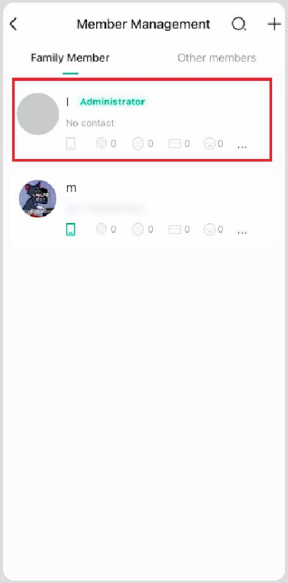
⑤Place the card near the sensing area of the door lock.



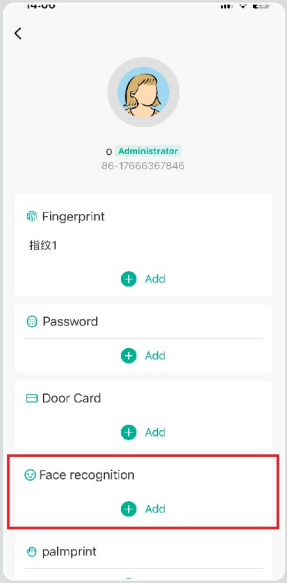
⑥Access card added successfully.



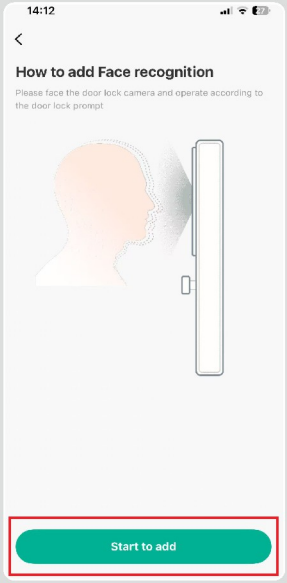
4)Add facial recognition.
①Click on a family member.



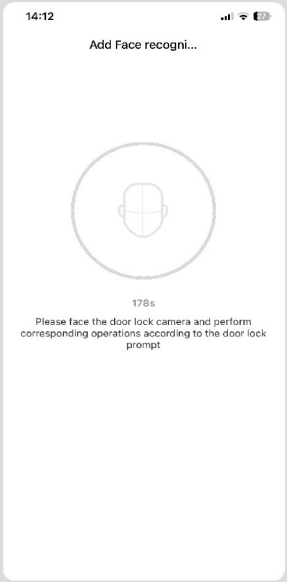
②Family members: Click to select the member you wish to add.



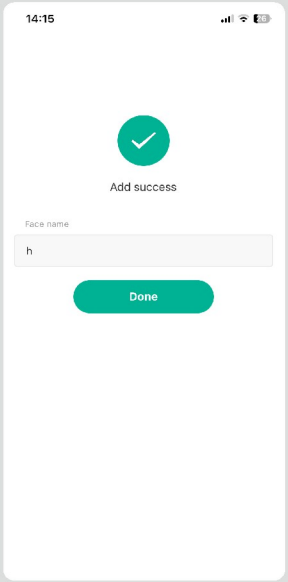
③Add facial recognition.



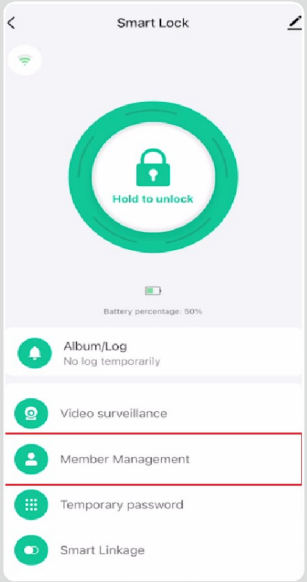
④Start adding



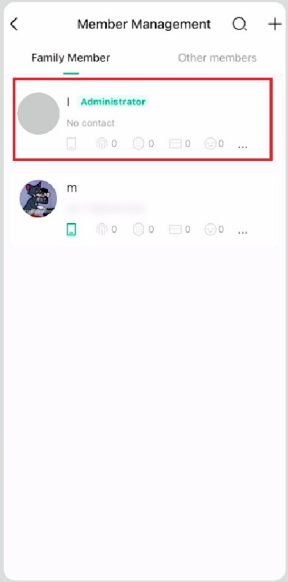
⑤Face the door lock camera and follow the corresponding prompts from the door lock.



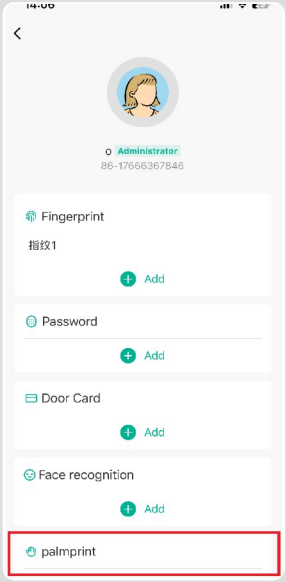
⑥Face added successfully.



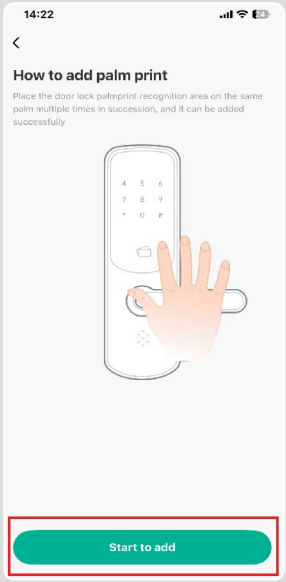
5)Add palm print recognition
①Click on a family member.



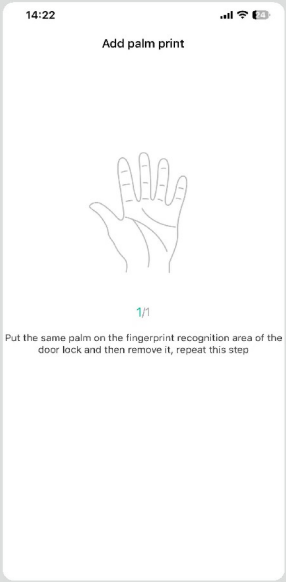
②Family members: Click to select the member you wish to add.



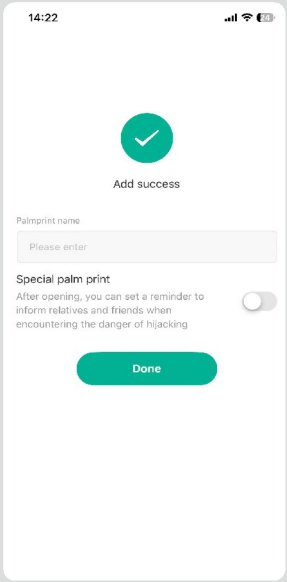
③Add palm print recognition



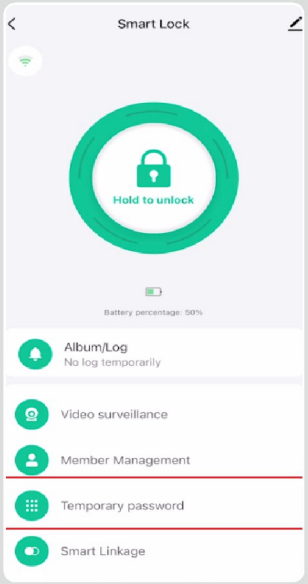
④Start adding



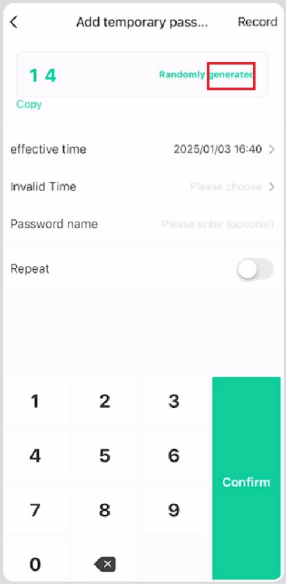
⑤Record palm print



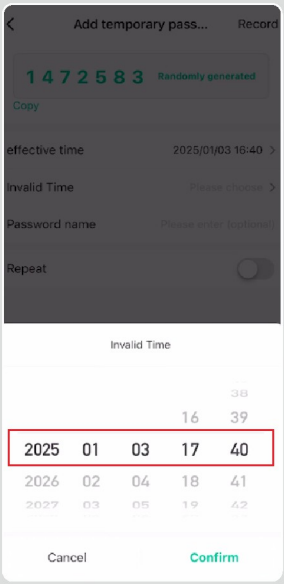
⑥Palm print added successfully.



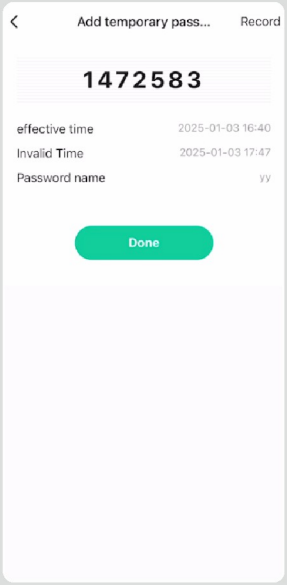
20.Click "Temporary Password".



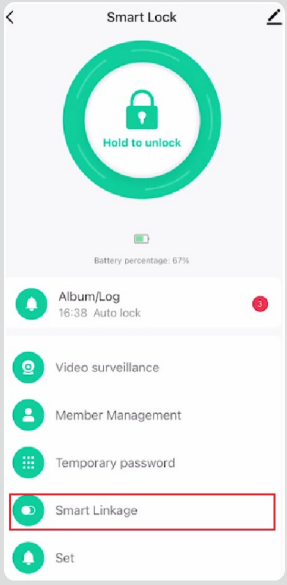
①Enter a 7-digit password, or click "Generate Randomly".

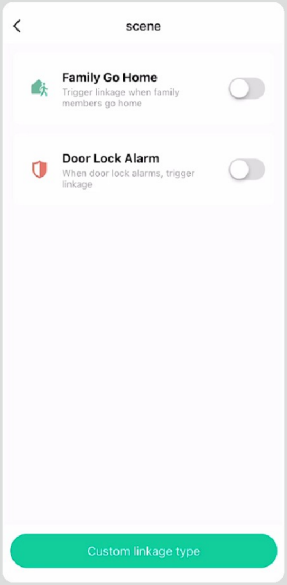


②Enter "Start Time" and "End Time".



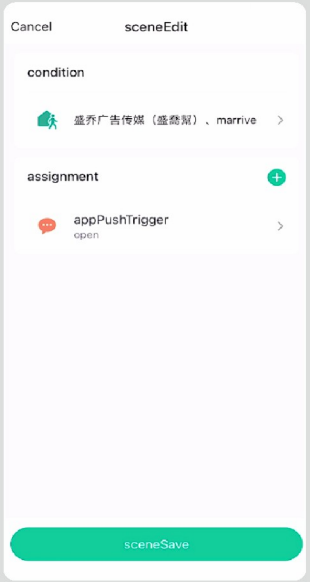
③Enter the password name, then click "Save" to use it.

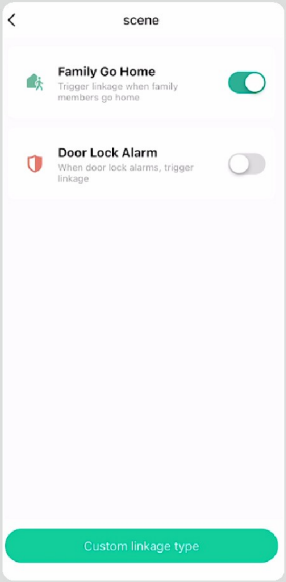




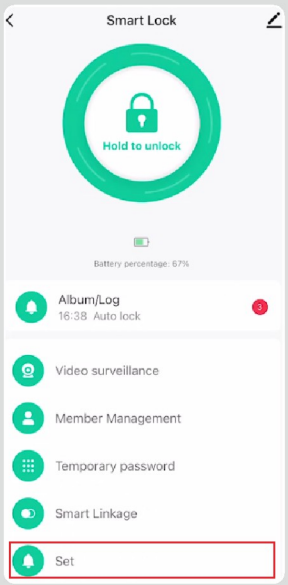
21.Smart Scenes

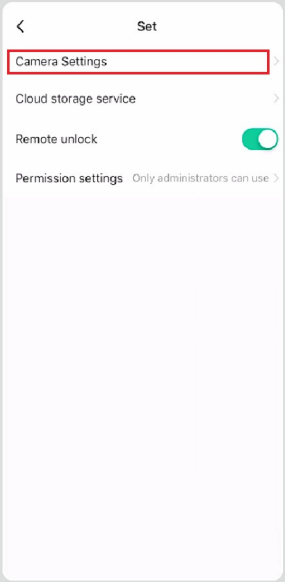
①Click "Smart Scenes" and enable "Family Arrival" according to your needs.





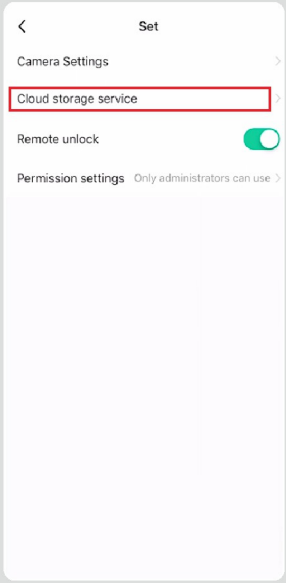
②Customize "Conditions" and "Tasks", then click "Save".



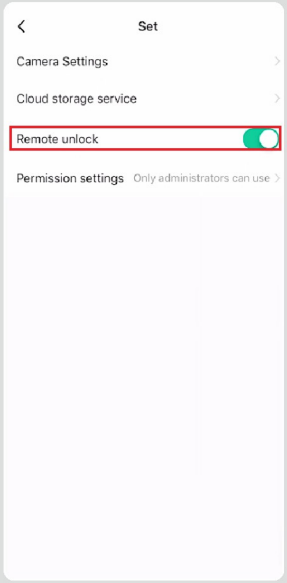


22.Click "Settings"

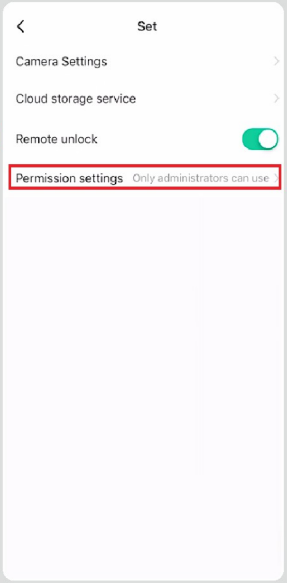
①Click "Settings", then select "Camera Settings", and choose "Two-way Talk" or "One-way Talk" according to your needs.



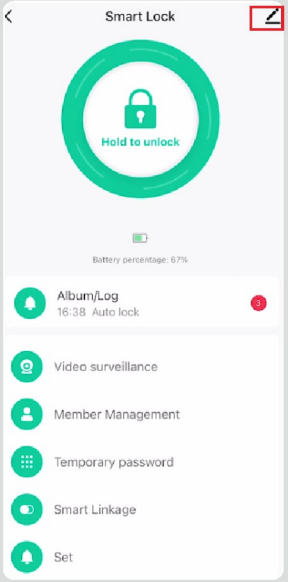
②Turn the remote unlock function "On" or "Off" according to your needs.



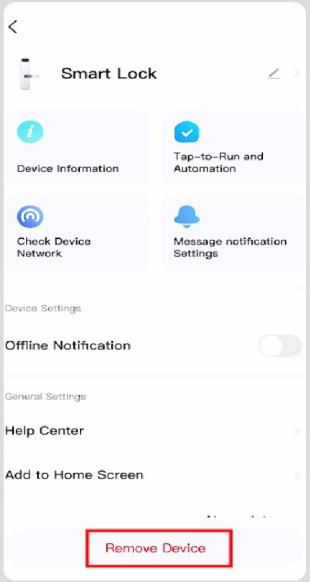
③Turn the remote unlock function "On" or "Off" according to your needs.

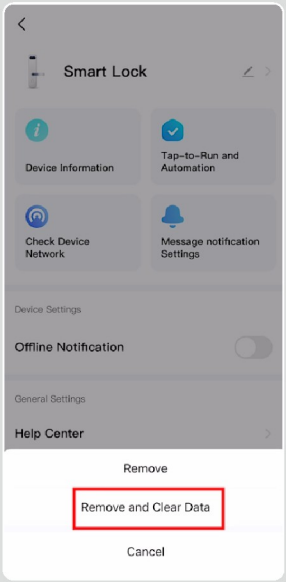


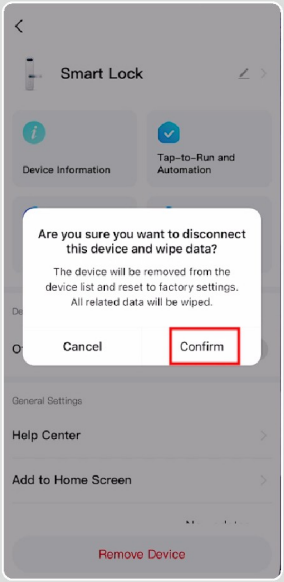
④Customize "Permission Settings" according to your needs.

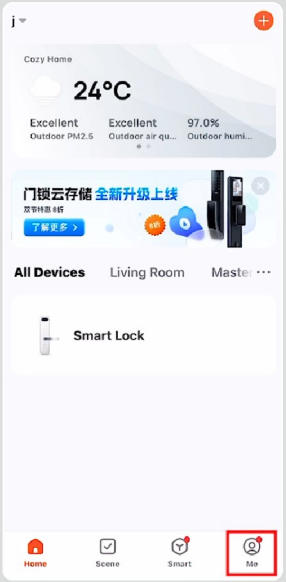


23.Delete device
Click "Edit" in the upper right corner.





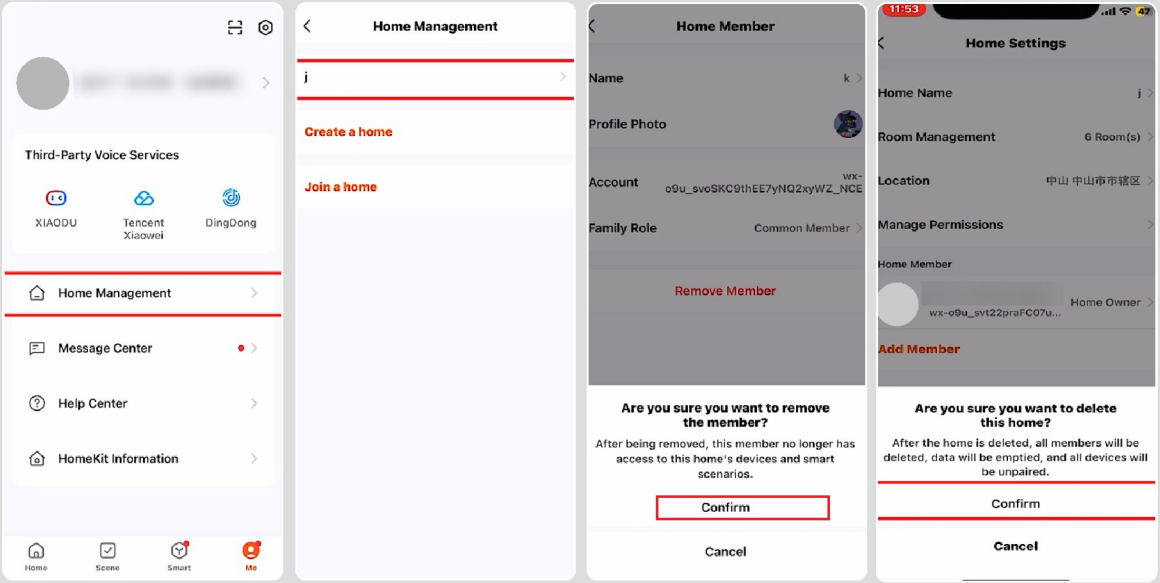




①Click "Remove Device", select "Unbind and Clear Data", then click "OK".

24.Delete Family。

①Click "Me".



②Click on "Family Management", then click on the "Newly Created Family", select "Regular User", remove the regular user first, and then click on "Delete Family".



Tuya Smart