UHPPOTE

HBK-V01   VIDEO INTERCOM

09:00

May 11, 2025
Sunday

FINGER PASS

CARD

USER MANUAL

Contents

1. Safety Precautions

The following precautions are to keep users safe and prevent any damage. Please read carefully before installation.

Do not install the device in an area subject to direct sunlight or dust.

Do not place a magnet near the device. Magnetic field from magnets, TV, monitor or speaker may damage the device.

Do not place the device next to a heating equipment.

Do not let children touch the device without supervision.

Do not drop the device.

Do not disassemble, repair or alter the device.

Do not use the device for any purpose other than specified ones.

To keep the device clear, please wipe it with a soft towel or cloth to remove dust; do not use water for cleaning.

2. Features

- Equipped with 5" touch screen and 2MP HD color camera.
- IP65 waterproof rating.
- Built-in Tuya module.
- View live camera feeds, receive calls and unlock doors remotely via APP.
- Support two-way talk.
- Built-in PIR human motion detection sensor. Alerts will be triggered and pushed to APP when someone stays at the door.
- Under-screen optical fingerprint scanner works well with wet or oily fingers.
- Cloud storage: Free 3-day rolling storage. Users can purchase 7-day or 30-day rolling storage on a monthly or annual basis.
- Multi-user management: Supports multiple family members, including household owners, administrators and regular members. A temporary password can be set for unlocking.
- Offline password: You can get a one-time password or a period password when offline.
- Superior night vision technology: Equipped with two infrared LEDs and a smart IR sensor for clear video in low-light conditions.

3. Dimensions

09:00

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FINGER PASS

CARD

8-27/32"
[224.8mm]

4-15/64"
[107.5mm]

1-3/4"
[44.6mm]
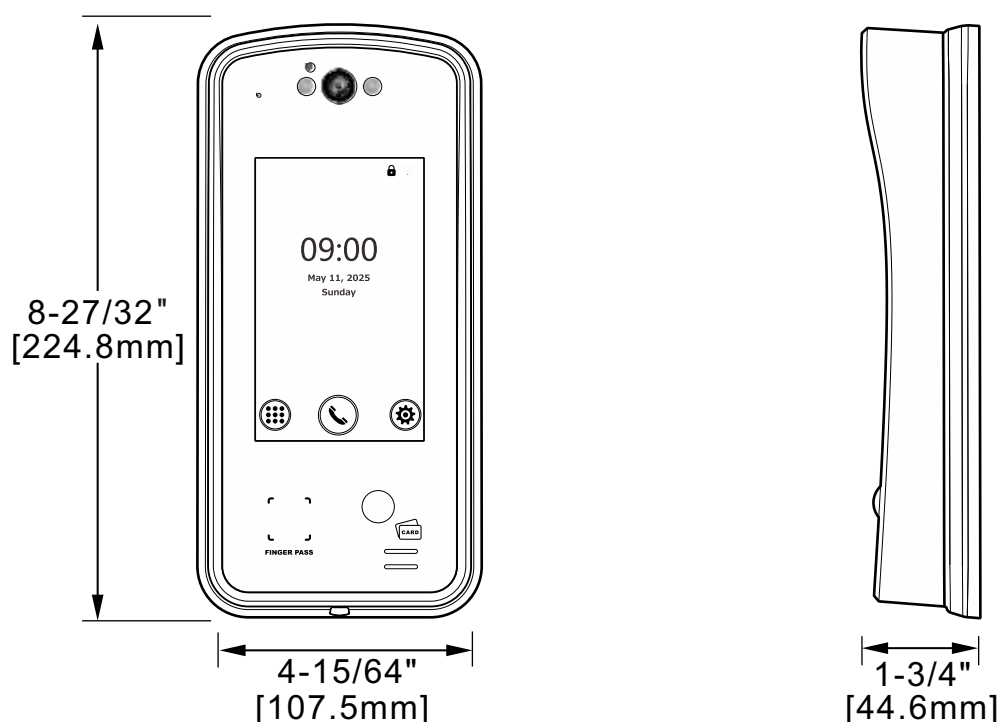
4. Specifications

Display	5" (800x480)	Camera	2MP (1080P)
Card Frequency	125KHz or 13.56MHz	Vertical Imaging	Support
Video Coding	H.264	Video Format	MP4
Fill Light Method	Infrared	Intercom	Two-way
Waterproof Level	IP65	Audio Output	Built-in speaker
Infrared Night Vision	IRCUT	Card Type	ID or IC card
Operating Voltage	12VDC	Current	<800mA
PIR Scope	16-13/32ft(H: 120° V:100°)	Operating Humidity	10%–90%RH
Enclosure Material	Plastic	WiFi Standard	2412-2462MHz
Panel Material	Tempered glass		
Operating Temperature	-22℉-140℉		
Viewing Angle	H: 75°, V: 100°, D: 160°		
Dimensions	8-27/32" x 4-15/64" x 1-3/4"		
Door Open Time	0-99s (adjustable)		
Type of Fingerprint Module	Optical		
Pixel of Fingerprint Module	178×218 (pixel)		
FAR of Fingerprint Module	<1/100000		
Resolution of Fingerprint Module	565PPI		
Reading Distance	Max. 2-23/64" (related to card type and working environment)		
User Capacity	2000 cards, 500 codes, 50 fingerprints		
Door Open Mode	Fingerprint/Card/Code/Mobile APP		

5. Package Content

After opening the package, please make sure the device is in good condition and confirm whether the accessories below are complete or not.
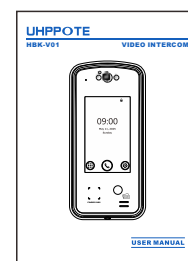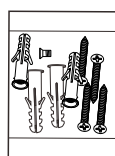
HBK-V01 x1   Accessories Package x1   Installation Drawing x1   User Manual x1

6. Installation

• Remove the back cover from the video intercom
• Drill 4 holes on the wall for self-tapping screws and 1 hole for the cable
• Put the supplied plastic anchors into the 4 holes
• Fix the back cover firmly on the wall with 4 self-tapping screws
• Thread the cable through the cable hole
• Attach the video intercom to the back cover

4X$\varnothing$15/64"
[$\varnothing$6mm]
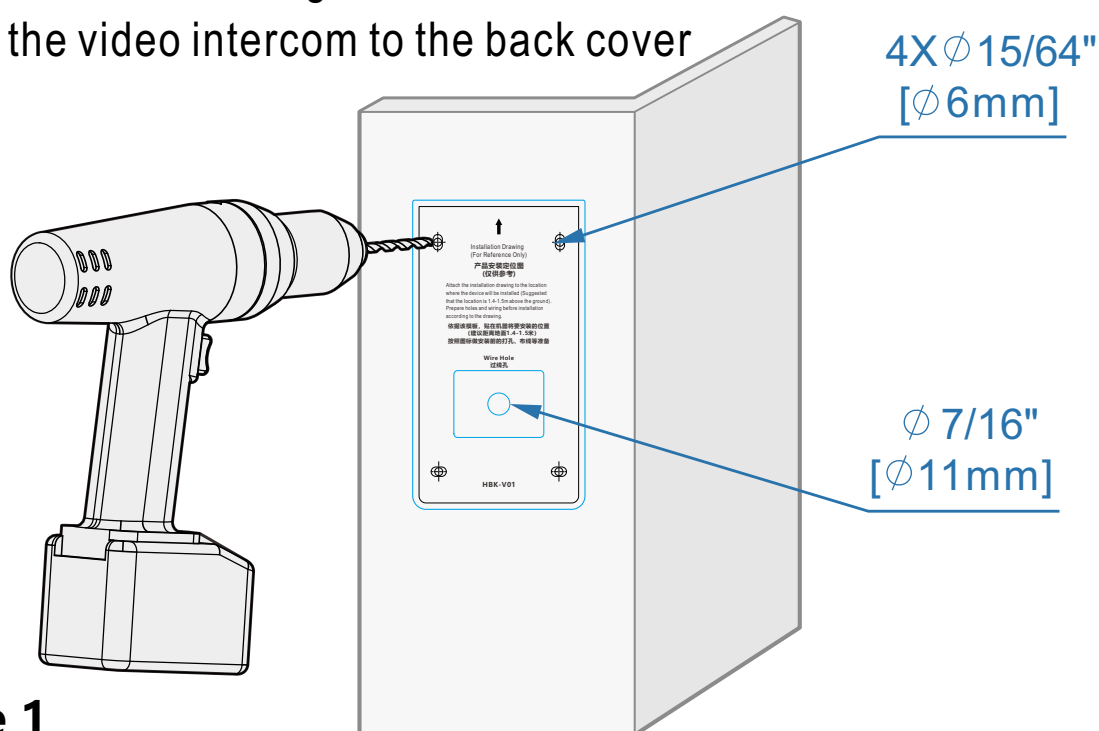
$\varnothing$ 7/16"
[$\varnothing$11mm]

Figure 1
Hole locations

Wall

Put the supplied plastic anchors into the 4 holes
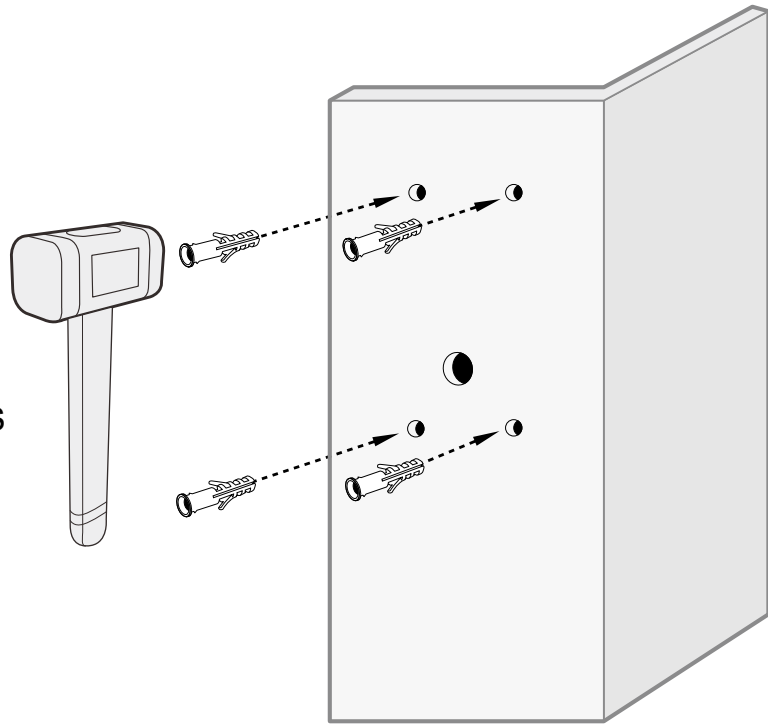
Figure 2

Installation of plastic anchors

4X M4x25mm
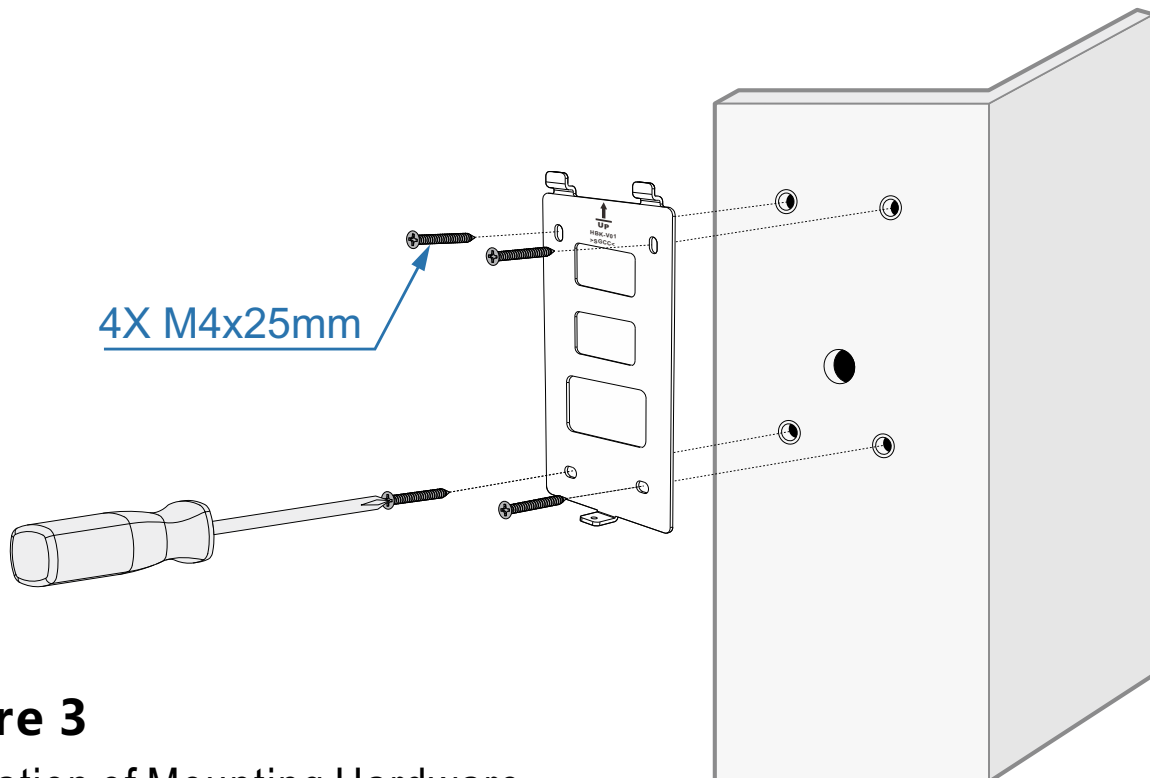
Figure 3

Installation of Mounting Hardware

Figure 4

Installation of HBK-V01

Wall

M3x10mm Flat
Head Screw

Figure 5
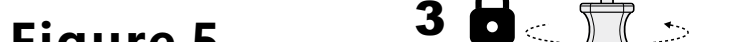
Installation of securing screw

7. Wiring Diagram

Common Power Supply Diagram

NC	Orange	+ FAIL-SAFE LOCK −
COM	Yellow	
NO	Blue	+ FAIL-SECURE LOCK −
PUSH	White	
OPEN	Green	EXIT BUTTON
GND	Black	GND POWER
+12V	Red	+12V

Special Power Supply Diagram

NC	Orange			NC
COM	Yellow			COM
NO	Blue	**FAIL-SAFE LOCK**		NO
PUSH	White	**FAIL-SECURE LOCK**		PUSH
OPEN	Green			
GND	Black	**EXIT BUTTON**		GND
+12V	Red			+12V
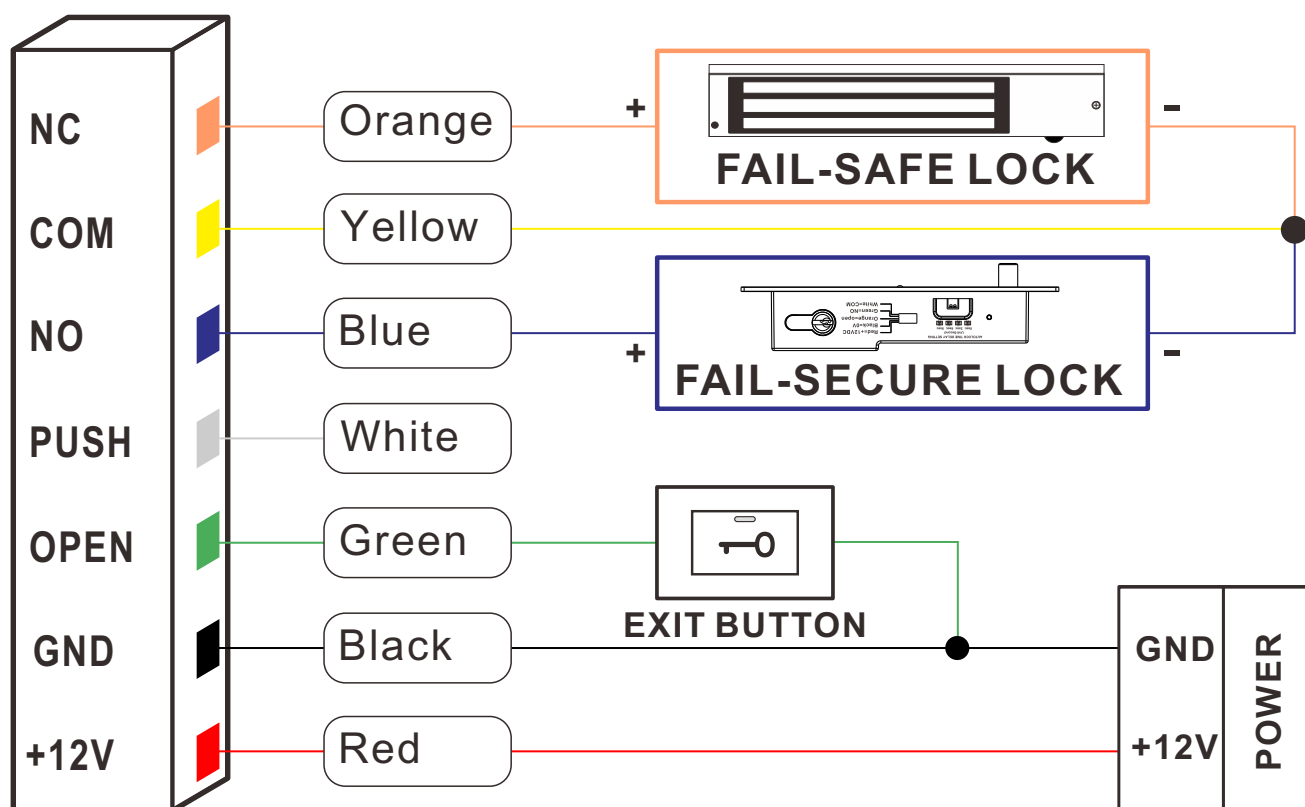
**12VDC Special Power Supply**
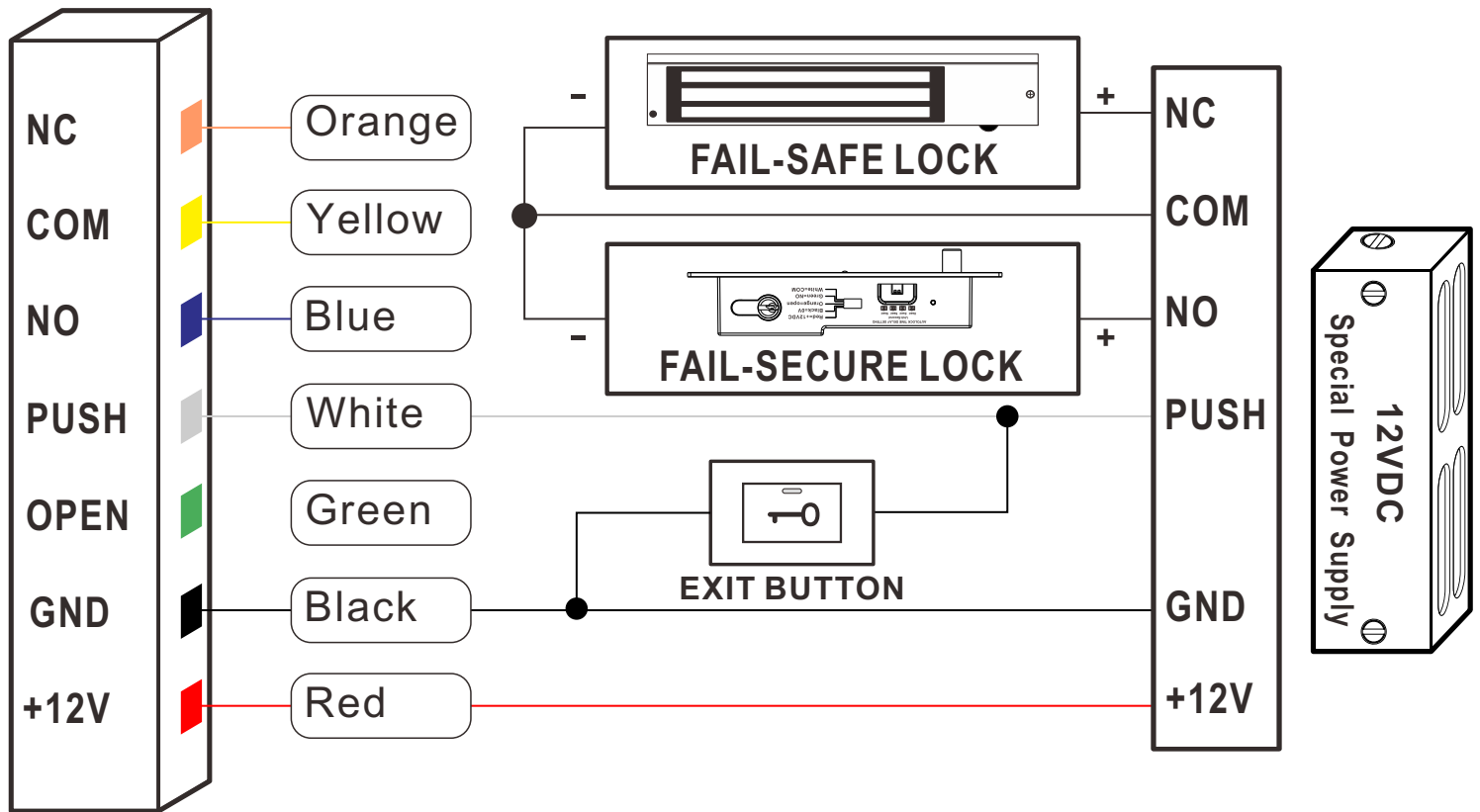
8. Menu

When the device is in stand-by mode, tap ⚙ in the bottom right corner, and then you will enter the Menu interface after the administrator logs in.(If there is no administrator registered, an administrator login is not required to enter the menu interface.)

If an administrator is registered but the administrator login information is forgotten or lost, you can restore the device to a state without an administrator by following the steps below.

1: Remove power from the HBK-V01.

2: Apply power to the HBK-V01.

3: Tap ⊞ , enter '00', and tap 'OK' within 5 seconds.
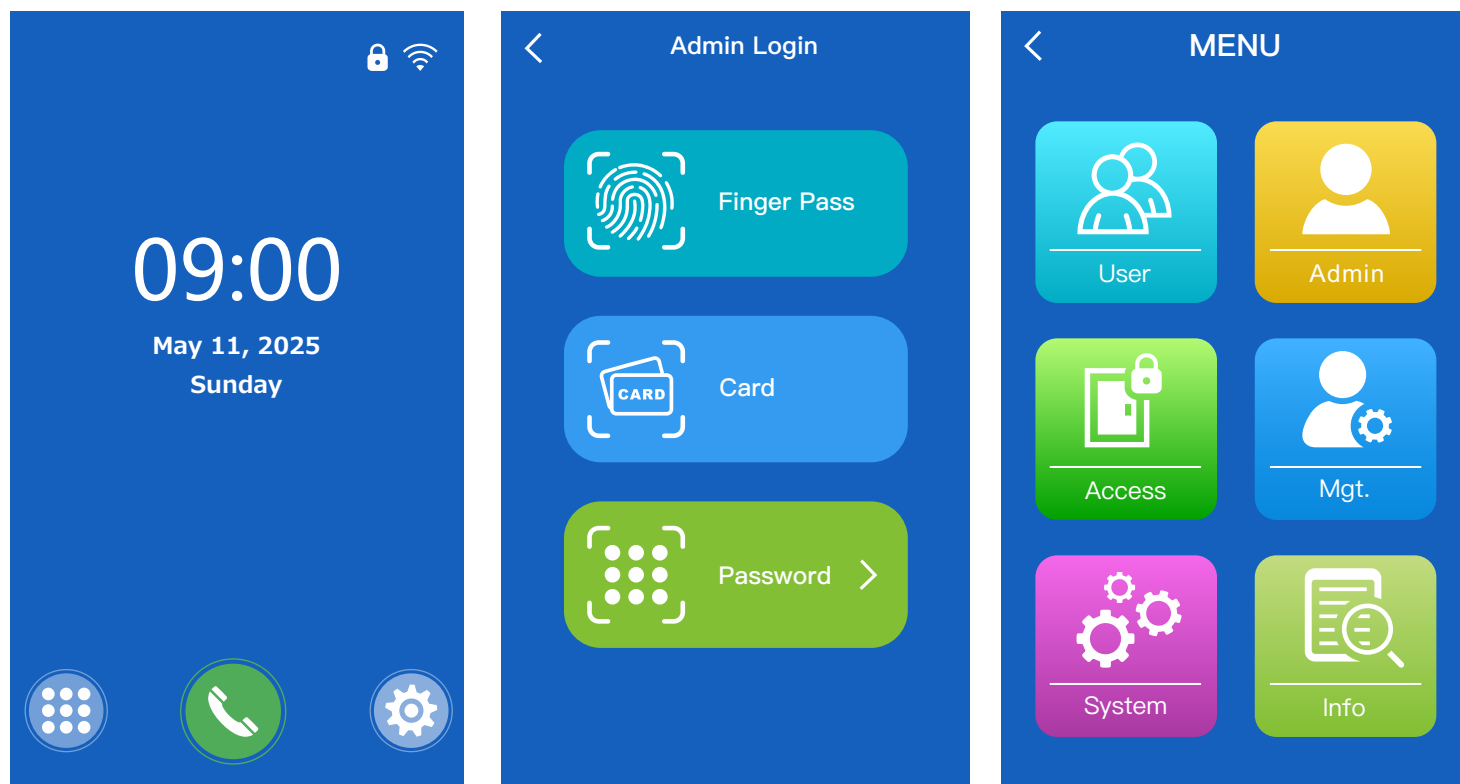
User: Register, view, edit and delete users，as well as delete all users.

Admin: Register, view, edit and delete administrators, as well as delete all administrators.

Access: Set verify mode, time delay, multi-user access and output mode.

Mgt.: Set WiFi match, doorbell pairing and voice prompt.

System: Set date & time, language, volume, brightness, screen sleep, idle screen return and factory reset.

Info: View the quantity of administrators and users, website of manufacturer, SN and firmware version.

9. User

After entering the Menu interface, tap User to enter [User] interface.

9.1 Register User

Register Users

| User ID | 0 | 0 | 0 | 1 |

Name | Li Bing

Role | User | Admin

Fingerprint | Card | Code

Delete | Delete | Delete

Delete User

Register Users

| User ID | 0 | 0 | 0 | 1 |

Name | Li Bing

Role | User | Admin

Fingerprint | Card | Code

Delete | Delete | Delete

6
3
1

Please verify fingerprints

Register Users

| User ID | 0 | 0 | 0 | 1 |

Name | Li Bing

Role | User | Admin

Fingerprint | Card | Code

Delete | Delete | Delete

Please tap card

Code

Code | ******

Confirm | ******

Confirm

• Accept 4-8 digits

1	2	3	✕
4	5	6	⌫
7	8	9	✓
◀	0	▶	👁

The length of code can be 4-8 digits.

9.2 User List

In this interface, you can tap [🔍 Find] in the top right corner to search for a user.

You can tap each user to view the details of that user, and you can also modify or delete that user directly in this interface.

Edit User

User ID 0 0 0 1

Name Li Bing

Role User Admin

Fingerprint Card Code

Delete Delete Delete

Delete?

Yes No

Edit User

User ID 0 0 0 1

Name Li Bing

Role User Admin

Fingerprint Card Code

Delete Delete Delete

Delete?

Yes No
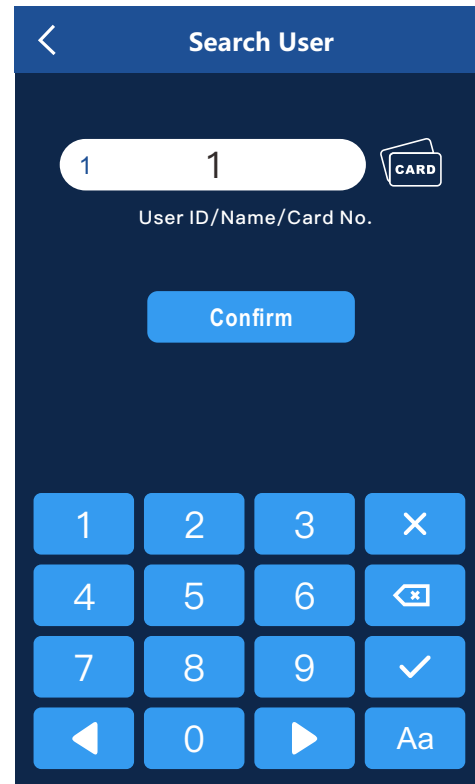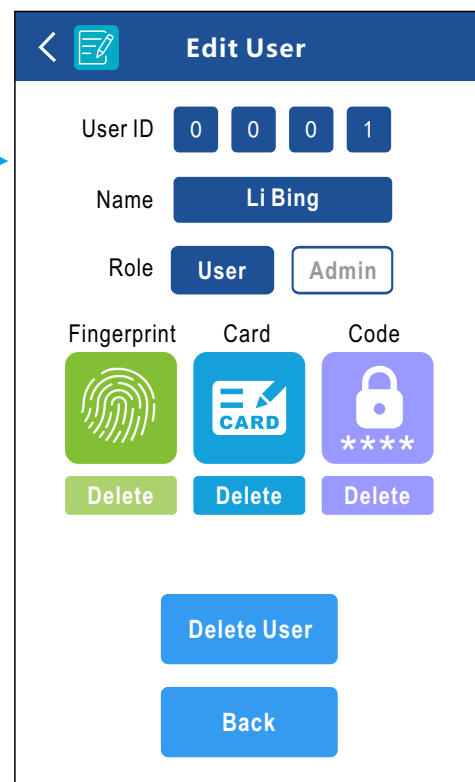
Edit User

User ID 0 0 0 1

Name Li Bing

Role User Admin

Fingerprint Card Code

Delete Delete Delete
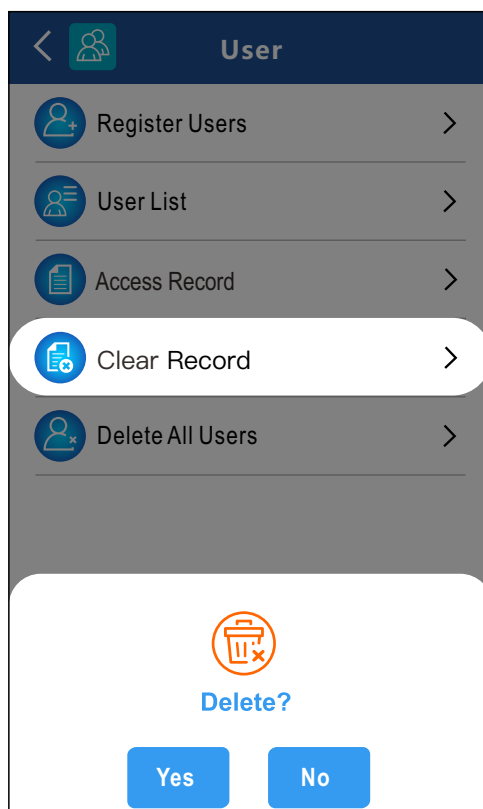
Delete?

Yes No

9.3 Access Record

You can find and view access records in this interface.

Access Record 🔍 Find

| Time	User	Record
2025/05/28 10:33:31	–	Doorbell call
2025/05/28 10:33:26	–	Doorbell call
2025/05/28 10:33:22	–	Doorbell call
2025/05/28 10:28:54	[No:0043] User0001	Swipe card to open the door
2025/05/28 10:27:49	[No:0045] User0002	Swipe card to open the door
2025/05/28 10:26:38	[No:0046] User0003	Swipe card to open the door
2025/05/28 10:25:48	–	Swipe card to open the door
2025/05/28 10:24:35	–	Doorbell call
2025/05/28 10:16:33	[No:0050] User0006	Swipe card to open the door
2025/05/28 10:15:39	[No:0051] User0008	Swipe card to open the door

|< < 1/26 > >|

9.4 Clear Record
Attention: Delete all access records. Please operate carefully.

9.5 Delete All Users
Attention: Delete all card, code and fingerprint users, please operate carefully.
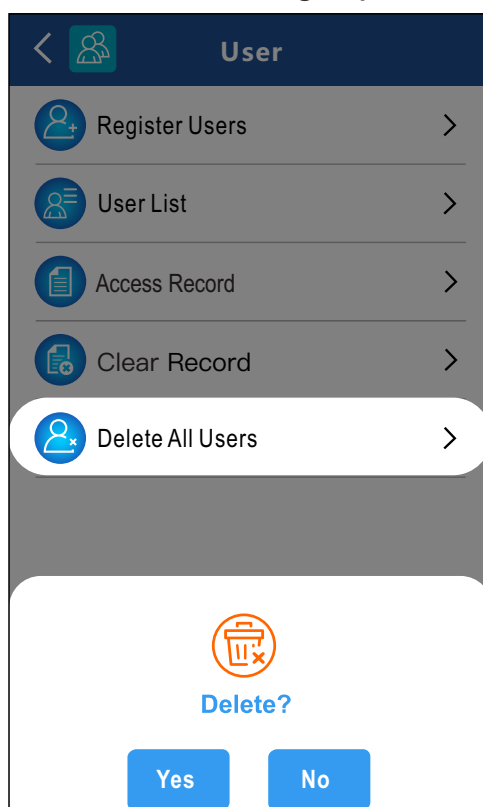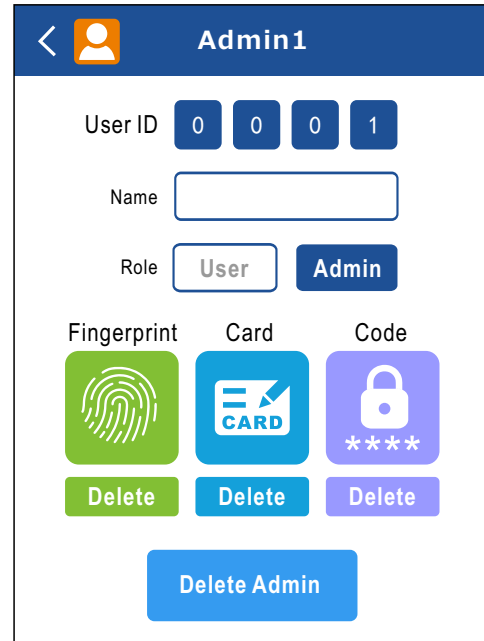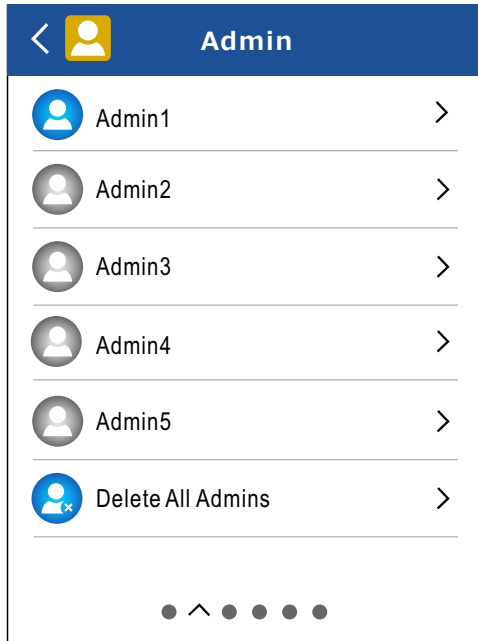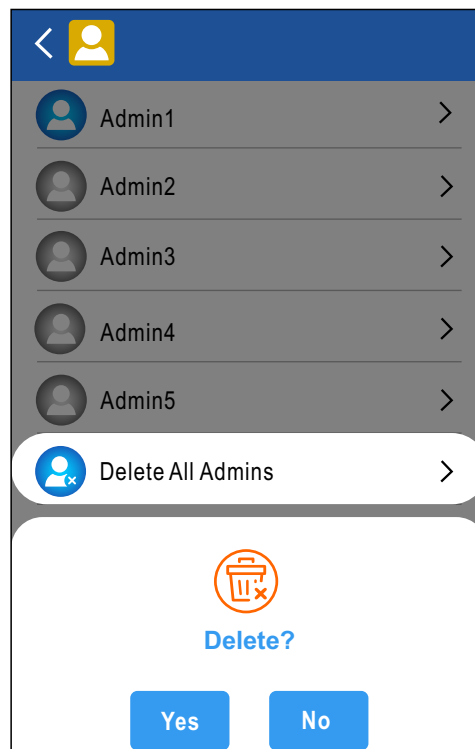
10. Admin

After entering the Menu interface, tap Admin to enter [Admin] interface.

10.1 Admin

Five administrators can be registered.You can tap each administrator to view the details of that administrator, and you can also edit or delete that administrator directly in this interface.

10.2 Delete All Admins

11. Access

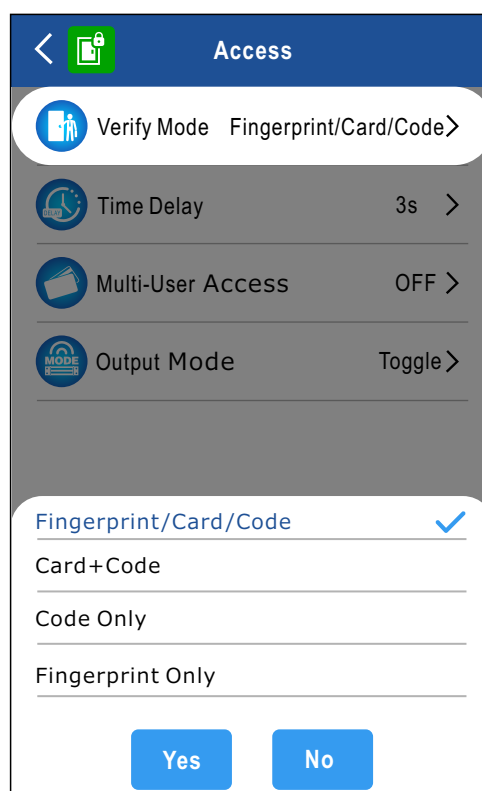After entering the Menu interface, tap Access to enter [Access] interface.

11.1 Verify Mode

Fingerprint/Card/Code: (Default) Entry by fingerprint, card or code.
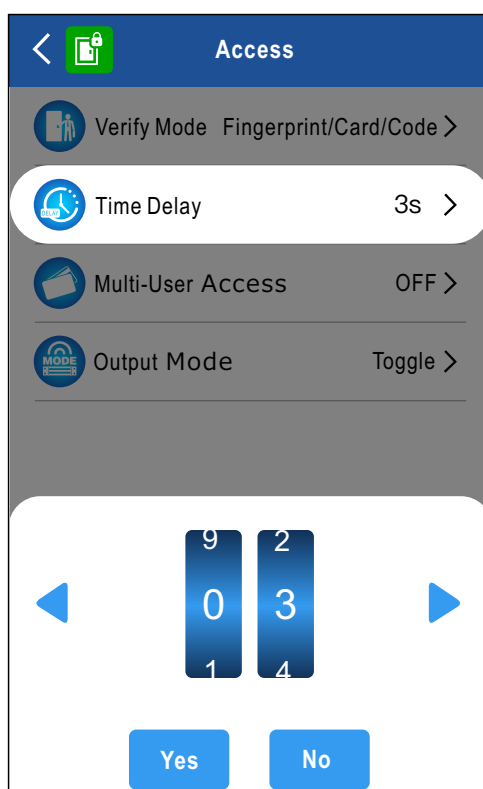**Card+Code:** Entry by card and code together.
Code Only: Entry by code only.
Fingerprint Only: Entry by fingerprint only.
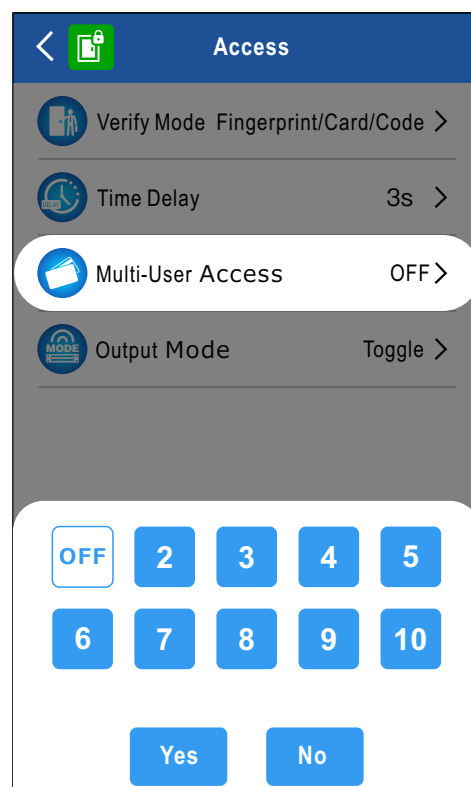

11.2 Time Delay

The device supports 0-99s time delay.

11.3 **Multi-User Access**

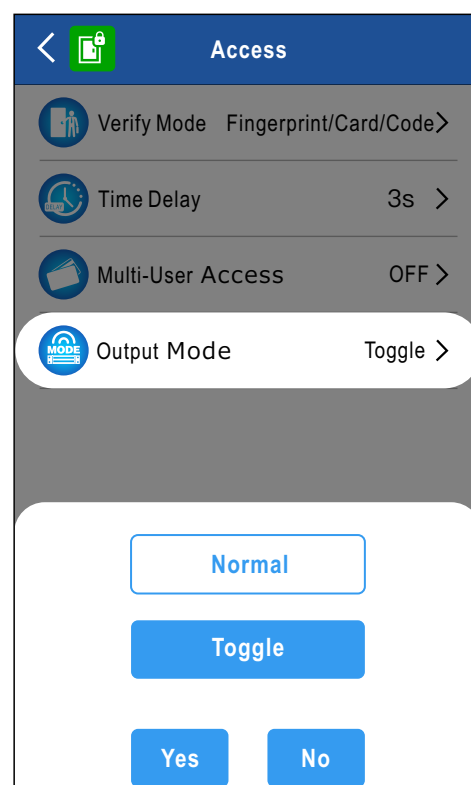This function applies to Fingerprint/Card/Code Mode and Fingerprint Only Mode.

• In Fingerprint/Card/Code Mode, the door will not open until a set number of users tap their cards or verify their fingerprints. The user who both taps a card and verifies his/her fingerprint can only be counted as one user.

• In Fingerprint Only Mode, the door will not open until a set number of users verify their fingerprints.

<	🔓	**Access**
🧍	Verify Mode	Fingerprint/Card/Code >
🕐	Time Delay	3s >
💳	Multi-User Access	OFF >
MODE	Output Mode	Toggle >

| OFF | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |

| Yes | No |

11.4 **Output Mode**

Normal Mode: The door will lock automatically after an unlock operation. (Default)

Toggle Mode: The door will keep unlocking until next unlock operation.

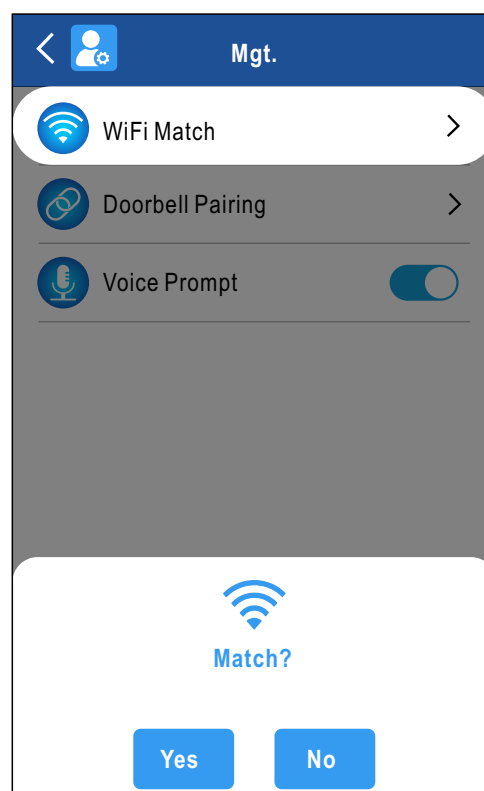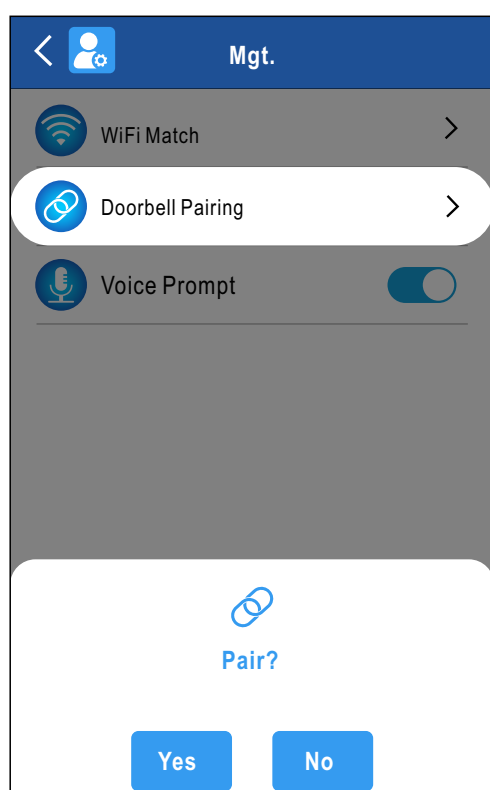| <	🔓	**Access**
🧍	Verify Mode	Fingerprint/Card/Code >
🕐	Time Delay	3s >
💳	Multi-User Access	OFF >
MODE	Output Mode	Toggle >

| Normal |
| Toggle |

| Yes | No |

12. Mgt.

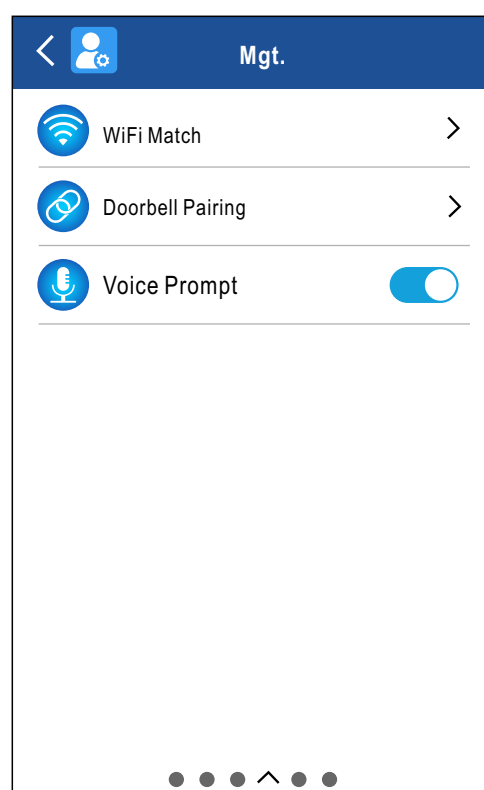After entering the Menu interface, tap Mgt. to enter [Mgt.] interface.

12.1 WiFi Match

Compatible with 2.4GHz Tuya APP, for more information please refer to 'Tuya Smart APP Operation Guide' in this manual.
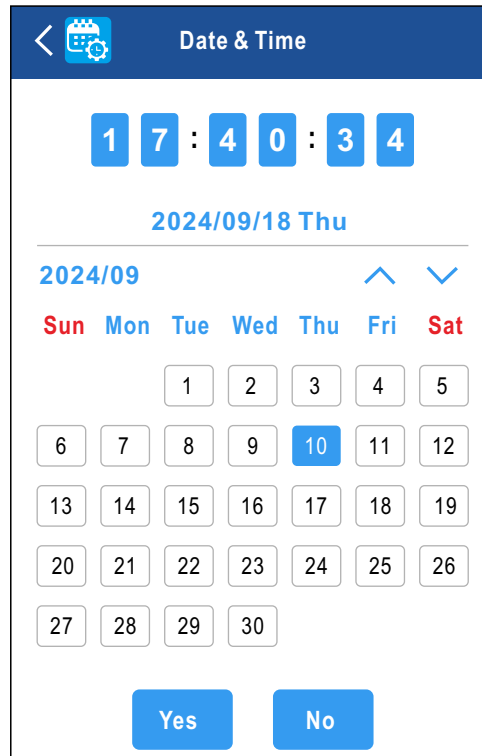
	Mgt.	
🛜 WiFi Match		›
🔗 Doorbell Pairing		›
🎤 Voice Prompt	⬤	

🛜
Match?

Yes   No

12.2 Doorbell Pairing

	Mgt.	
🛜 WiFi Match		›
🔗 Doorbell Pairing		›
🎤 Voice Prompt	⬤	

🔗
Pair?

Yes   No

12.3 Voice Prompt

	Mgt.	
🛜 WiFi Match		›
🔗 Doorbell Pairing		›
🎤 Voice Prompt	⬤	

• • • • ^ • •

13. System
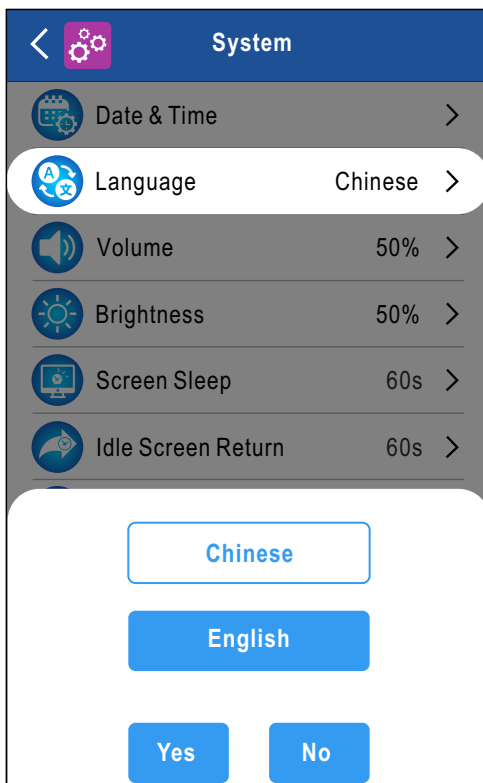
After entering the Menu interface, tap System to enter [System] interface.

13.1 Date & Time

13.2 Language

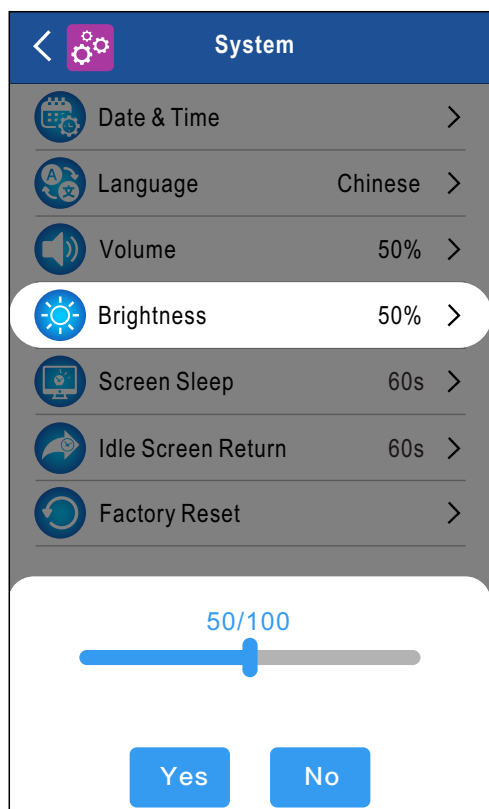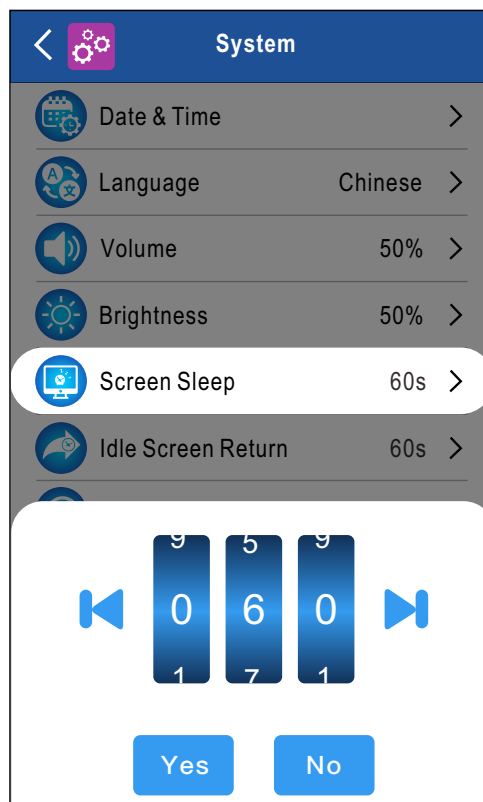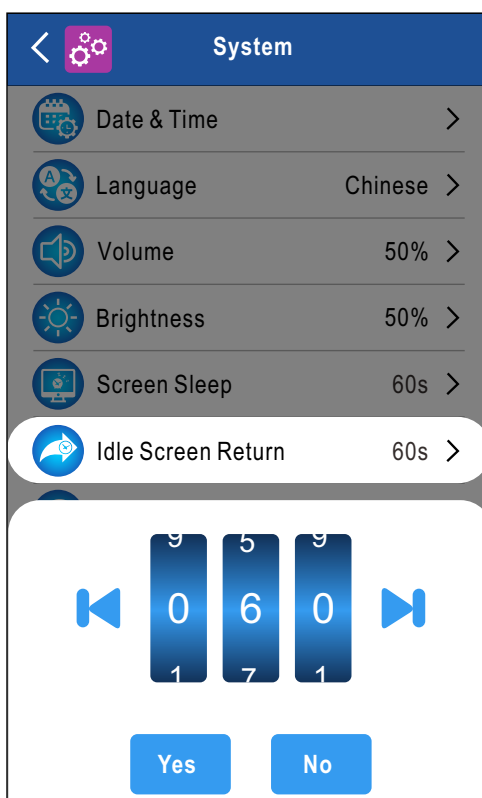Support English and Chinese.

13.3 Volume

13.4 Brightness

System

Date & Time ›
Language Chinese ›
Volume 50% ›
Brightness 50% ›
Screen Sleep 60s ›
Idle Screen Return 60s ›
Factory Reset ›

50/100

Yes   No
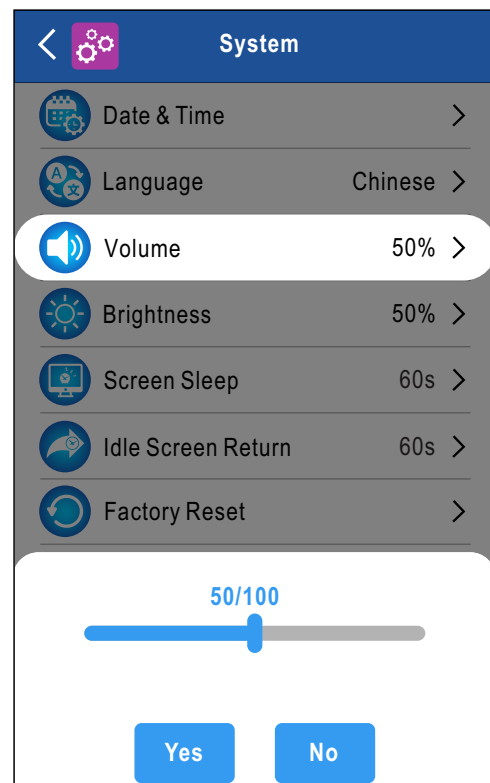
13.5 Screen Sleep

If there is no operation within the set time, the screen will enter sleep mode.

System

Date & Time ›
Language Chinese ›
Volume 50% ›
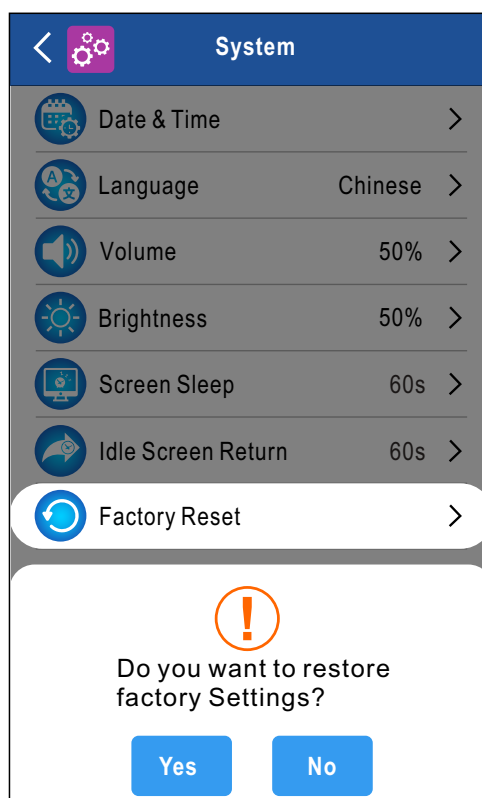Brightness 50% ›
Screen Sleep 60s ›
Idle Screen Return 60s ›

9 5 9
0 6 0
1 7 1

Yes   No

13.6 Idle Screen Reset

If there is no operation within the set time, the device will return to the homescreen.

System

Date & Time ›
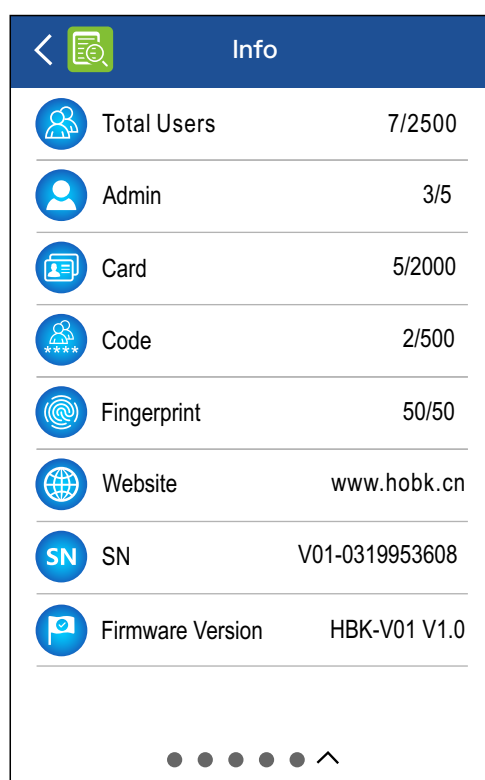Language Chinese ›
Volume 50% ›
Brightness 50% ›
Screen Sleep 60s ›
Idle Screen Return 60s ›

9 5 9
0 6 0
1 7 1

Yes   No

13.7 Factory Reset

Factory Reset includes access control parameter, system parameter and so on.

System

Date & Time		>
Language	Chinese	>
Volume	50%	>
Brightness	50%	>
Screen Sleep	60s	>
Idle Screen Return	60s	>
Factory Reset		>

(!)

Do you want to restore factory Settings?

Yes　　**No**

14. Info

After entering the Menu interface, tap Info to enter [Info] interface. In this interface, you can view the quantity of registered users and administrators, website of manufacturer, SN and firmware version.

Info

Total Users	7/2500
Admin	3/5
Card	5/2000
Code	2/500
Fingerprint	50/50
Website	www.hobk.cn
SN	V01-0319953608
Firmware Version	HBK-V01 V1.0

● ● ● ● ● ∧

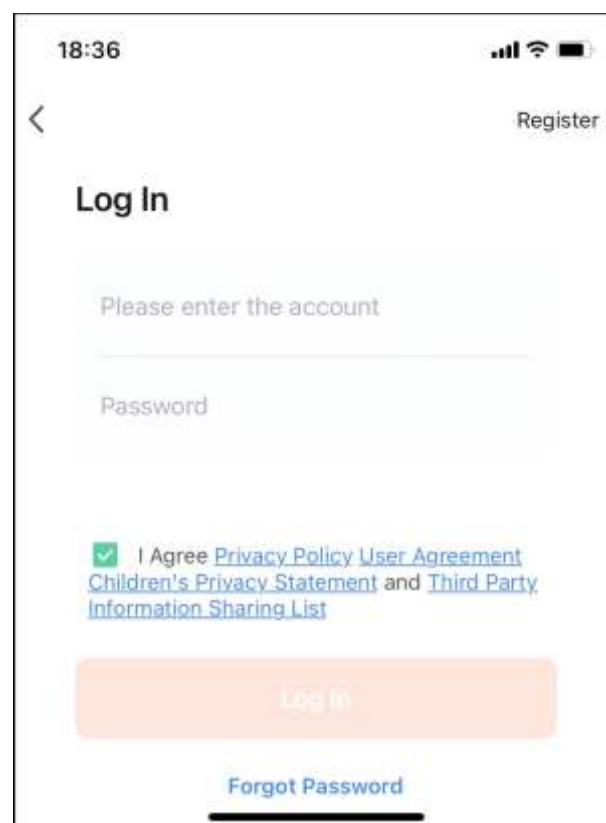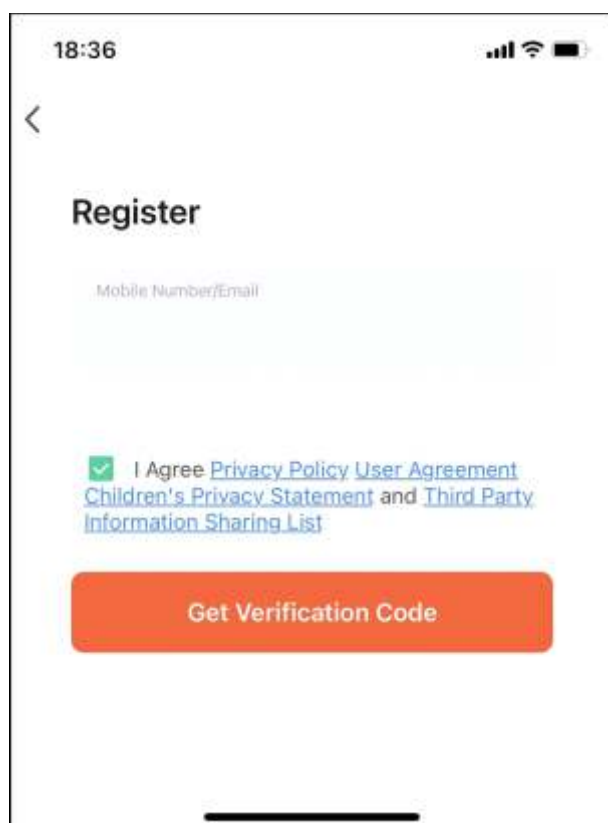## 15. Tuya Smart APP Operation Guide

1. Download Tuya Smart APP

Search 'Tuya Smart' in App Store for iOS version or in Google Play for Android version.
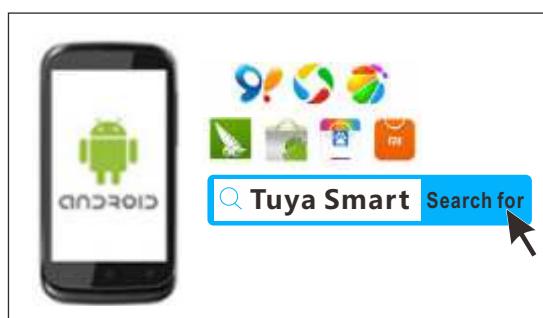
2. Registration and Login

Tap 'Register' on the top-right corner, then input a valid mobile number or email address and tap 'Get Verification Code'.
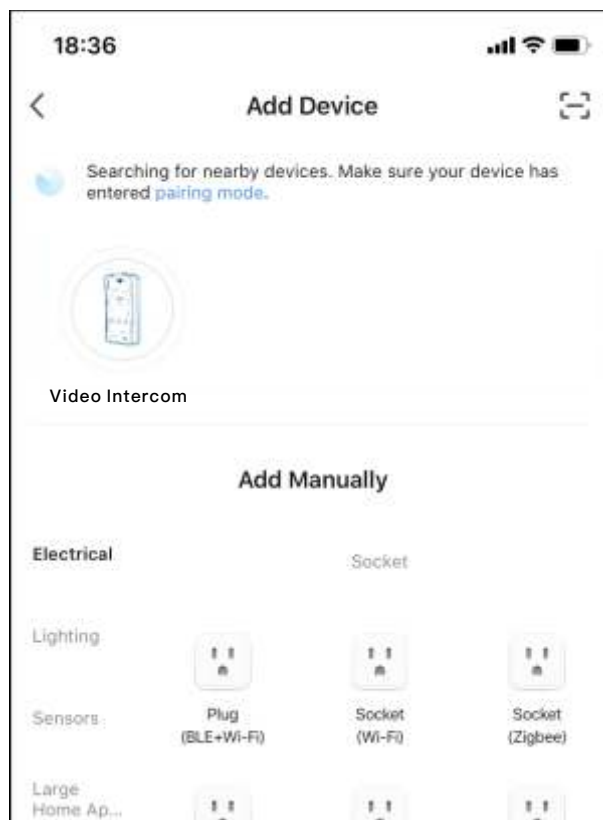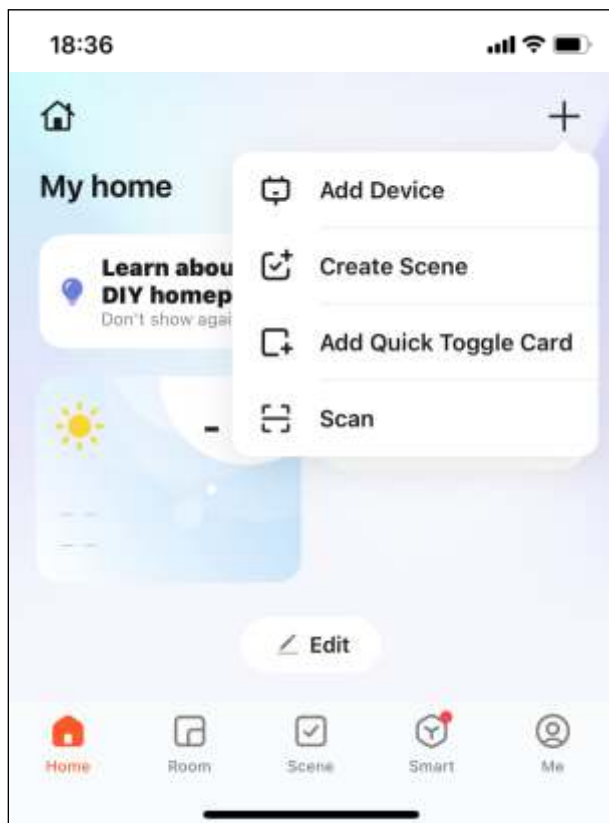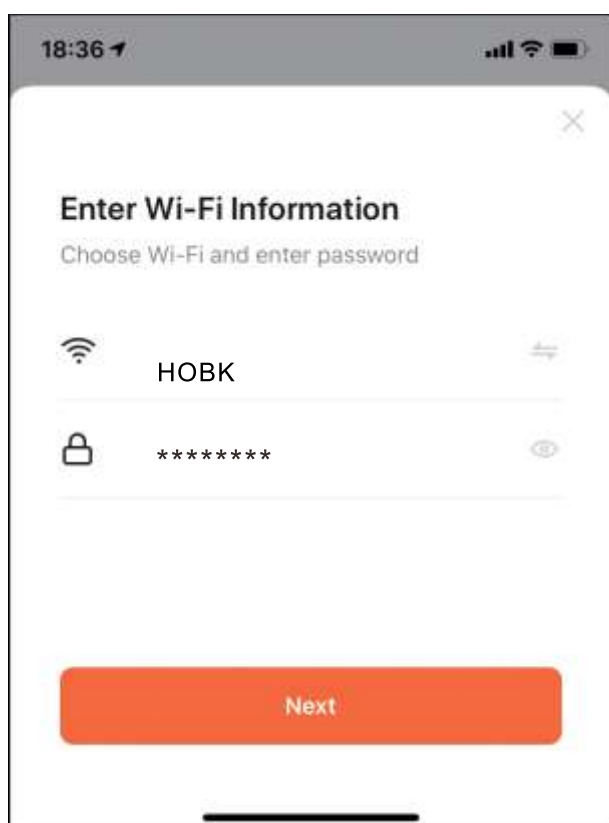Enter verification code and set password, tap 'Done'.

3. WiFi Pairing

Step 1. Tap WiFi Match>Yes on the HBK-V01 to enter pairing mode, it will take 30-180 seconds.
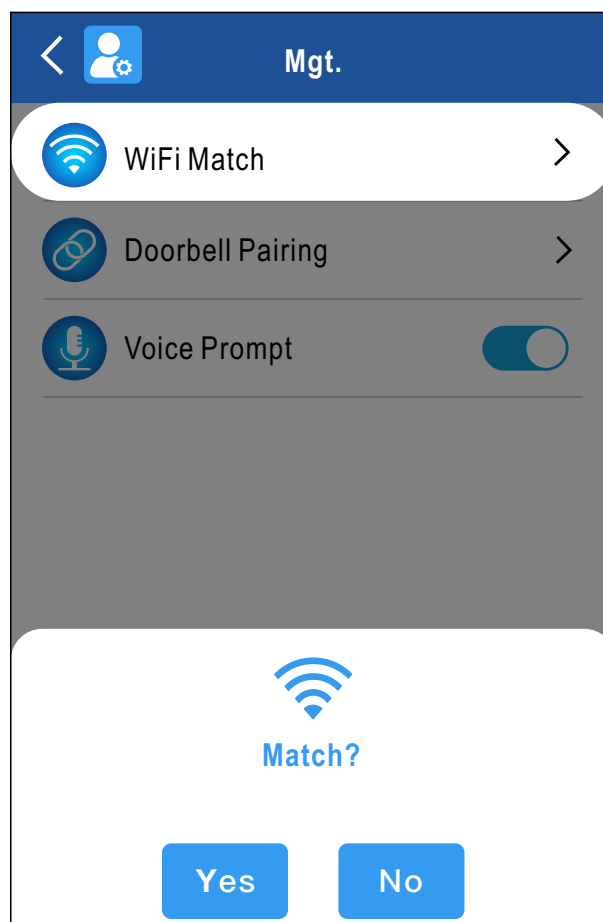
Step 2. Tap '+' in the upper right corner of the home page of Tuya Smart APP followed by tapping 'Add Device'. When the HBK-V01 icon appears, tap it to enter the WiFi information.
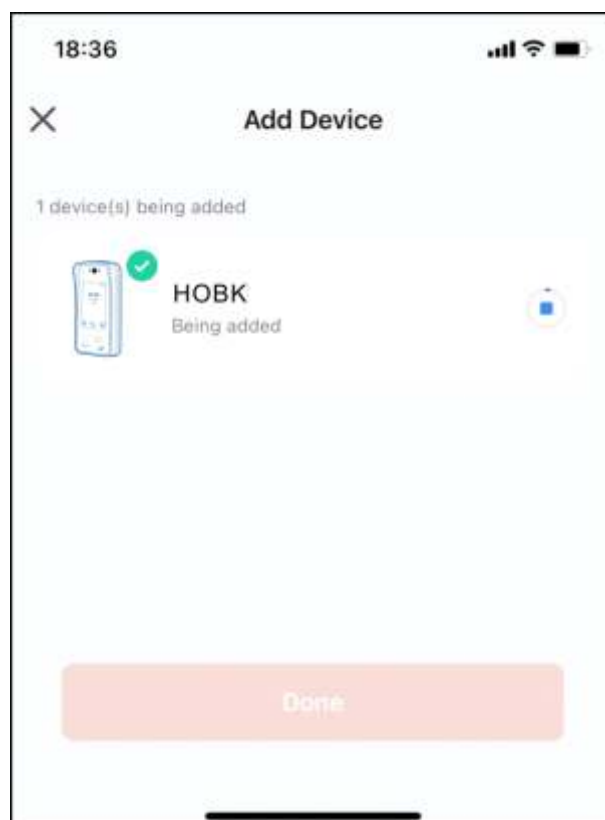
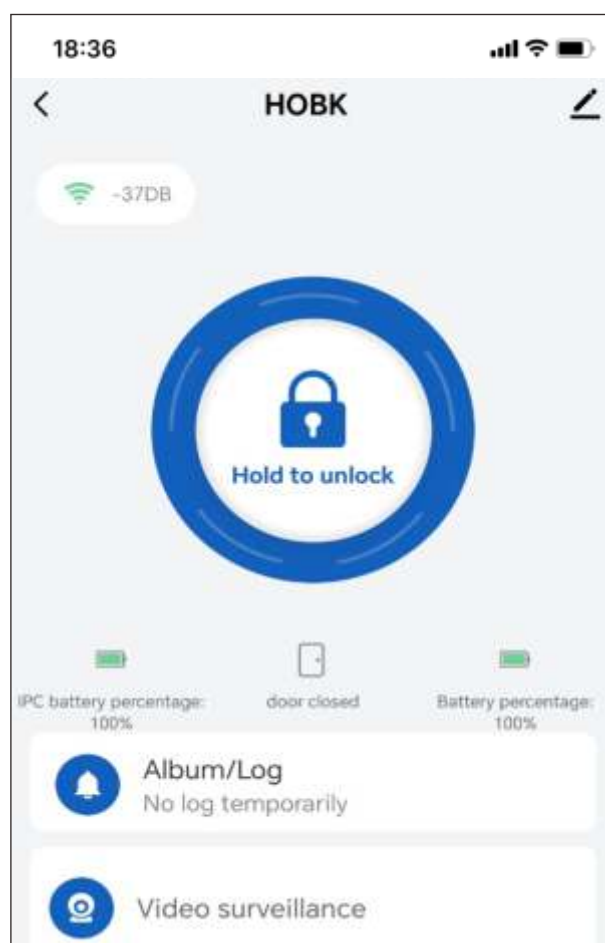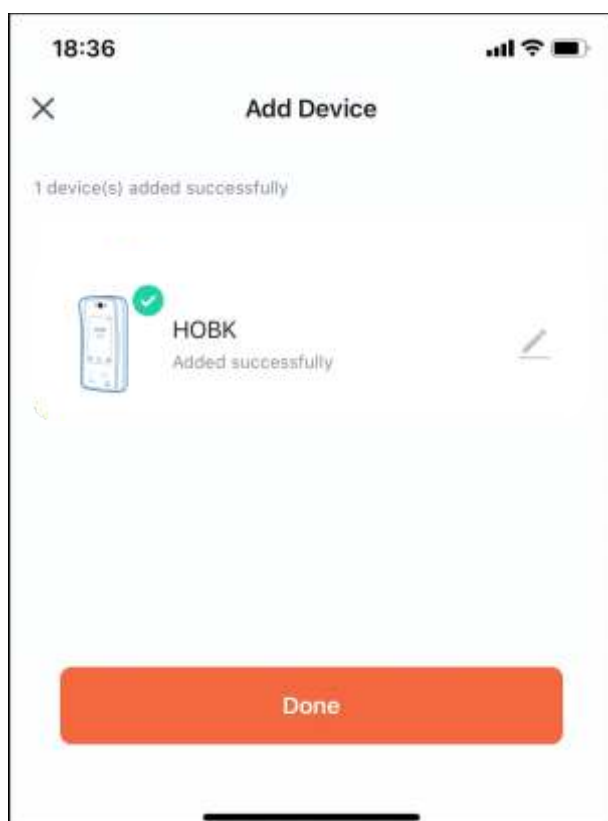**Step 3.** Choose Wi-Fi and enter password.

The WiFi must be the same as the one that the phone is connected to, otherwise it will cause offline problem. The Tuya Smart only supports 2.4GHz Wi-Fi communication protocol and can't support 5GHz.

Step 4. The Tuya Smart APP will search for nearby device and connect to the HBK-V01.

Step 5. Name the added device.

16. FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates, uses and can radiate radio frequency energy and,if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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