

UHPPOTE

HBK-A05F

Access Control Terminal



USER MANUAL










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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, humidity 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.
-  Prevent any liquid such as water, milk or chemicals from leaking into the device.
-  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.

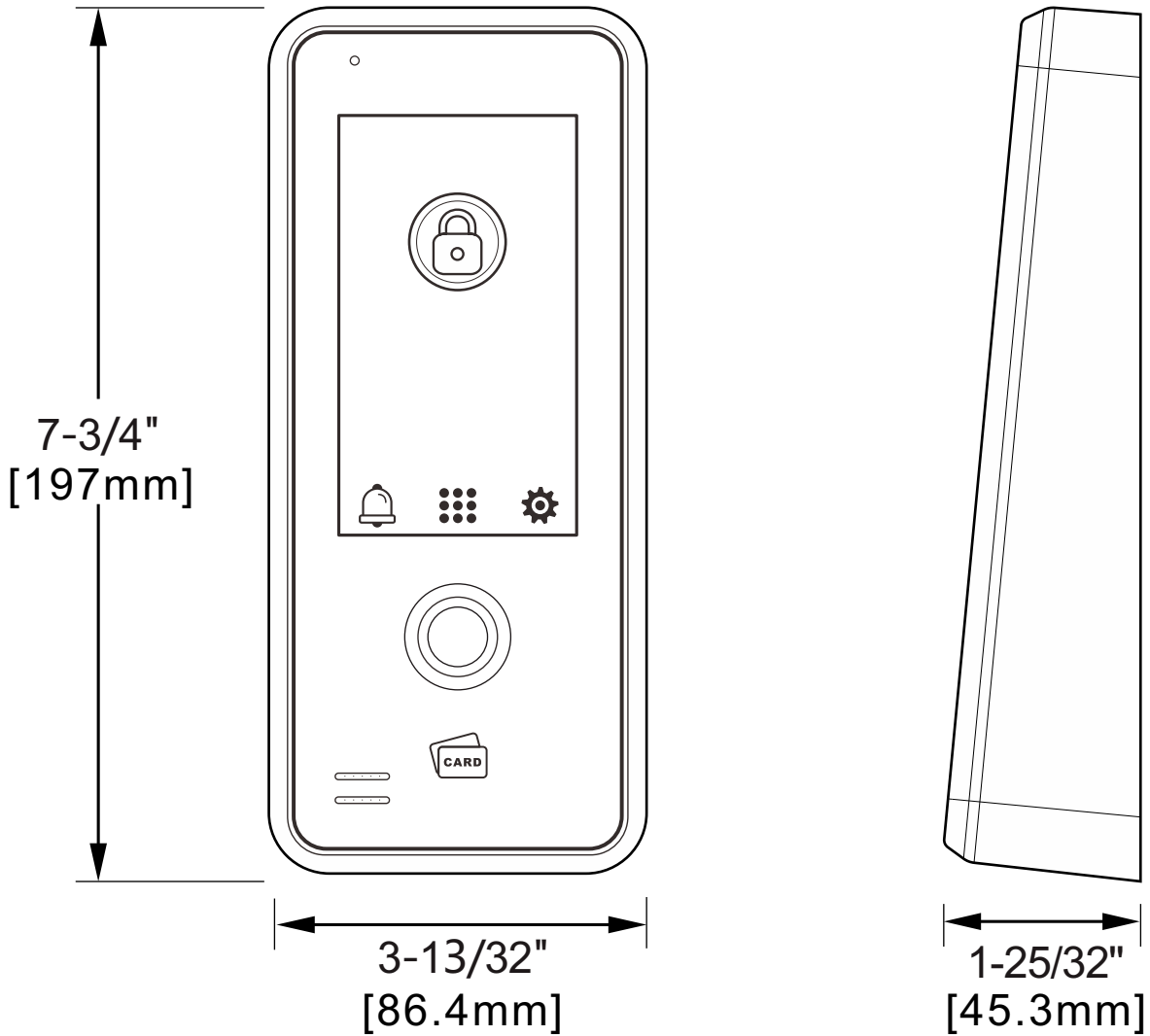
2. Features

- Equipped with 4.3" touch screen.
- All features are programmed directly from the keypad – no need for an external programmer.
- Intelligent RFID card induction module, read the card quickly to unlock the lock.
- Support Fingerprint/Card/Code, Card+Code, Code Only, Fingerprint Only, Mobile APP five different door opening modes.
- Widely used in building, hospital, urban rail transit, data center, enterprise park and other fields.

3. Specifications

Display: 4.3" touch screen	Resolution: 800 X 480
Operating Voltage: 12VDC	Card Type: ID card
Operating Temperature: -22°F-140°F	Card Frequency: 125KHz
Operating Humidity: 10%–90%RH	Static Current: 100mA
WiFi Standard: 2412-2462MHz	Enclosure Material: ABS plastic
Panel Material: Tempered glass	Product Weight: 15.17oz
Door Open Time: 0-99s (adjustable)	Fingerprint Reader: Capacitive
Dimensions: 7-3/4" x 3-13/32" x 1-25/32"	
Sensor: 192x192 (pixel), 508DPI	
User Capacity: 2000 cards, 500 codes, 300 fingerprints	
Reading Distance: Max. 2-23/64" (related to card type and working environment)	
Door Open Mode: Fingerprint/Card/Code, Card+Code, Code Only, Fingerprint Only, Mobile APP	

4. Dimensions

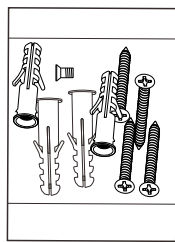


5. Package Content

After opening the package, please make sure the device is in good condition and confirm whether below accessories are complete or not.



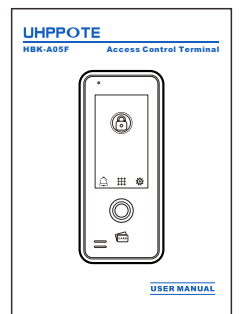
HBK-A05F x1



Accessories Package x1



Installation Drawing x1



User Manual x1

6. Installation

- Remove the back cover from the keypad
- 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 keypad to the back cover

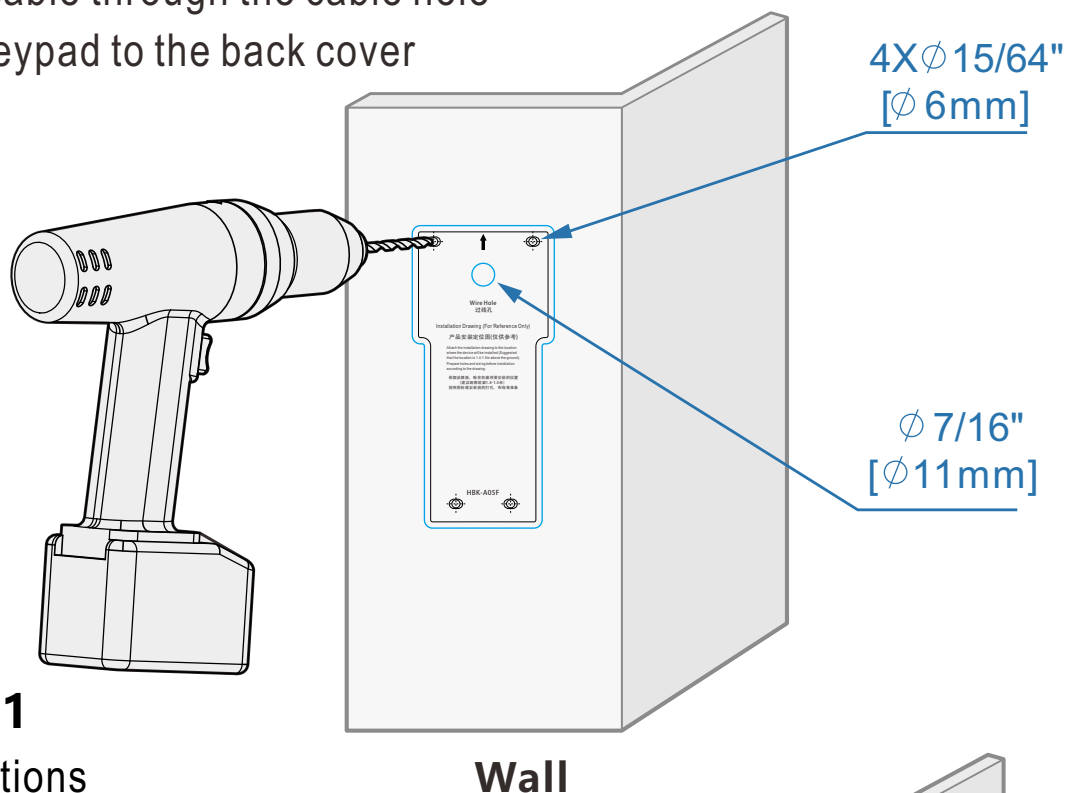


Figure 1
Hole locations

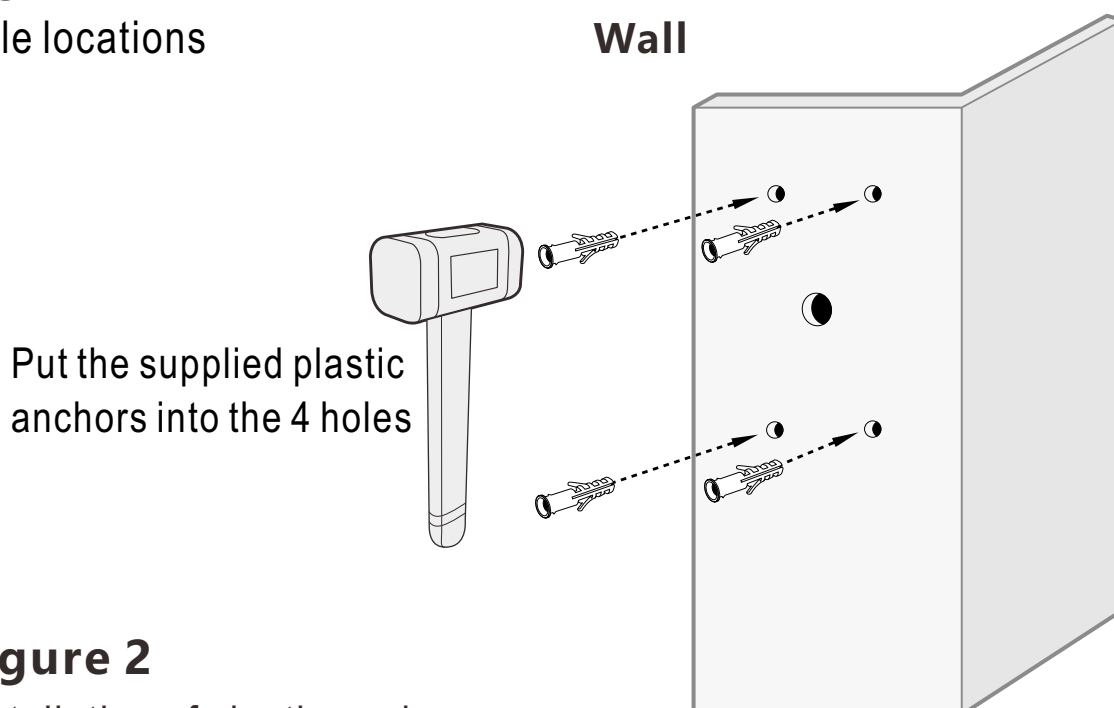


Figure 2
Installation of plastic anchors

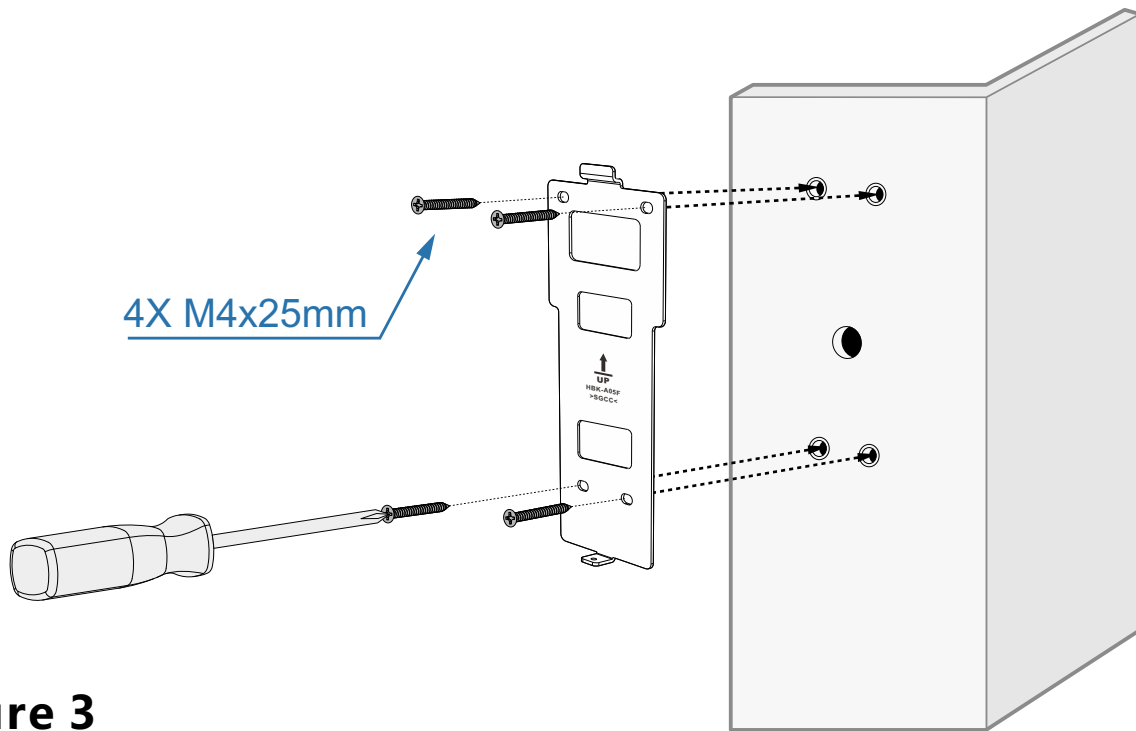


Figure 3
Installation of Mounting Hardware

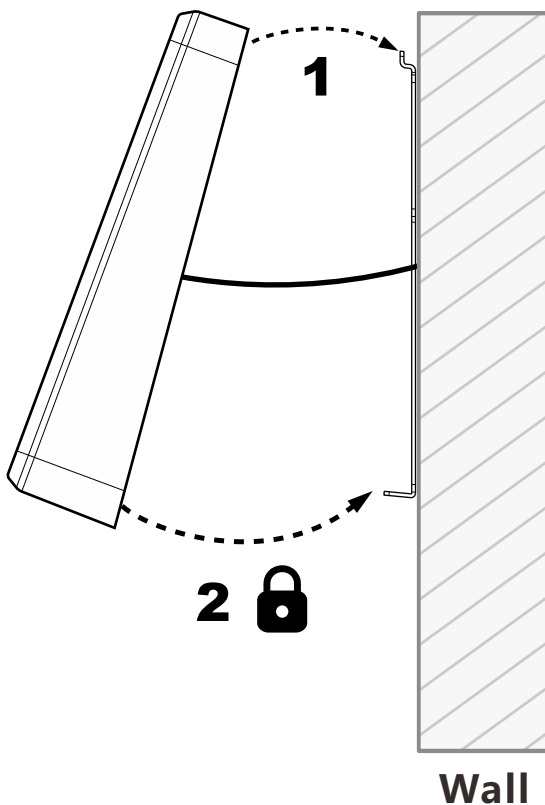


Figure 4
Installation of HBK-A05F

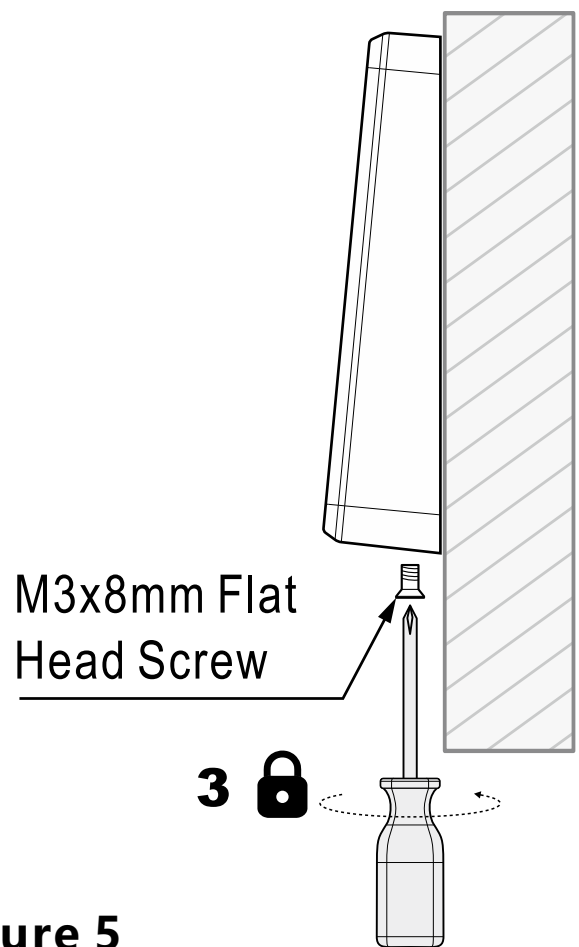
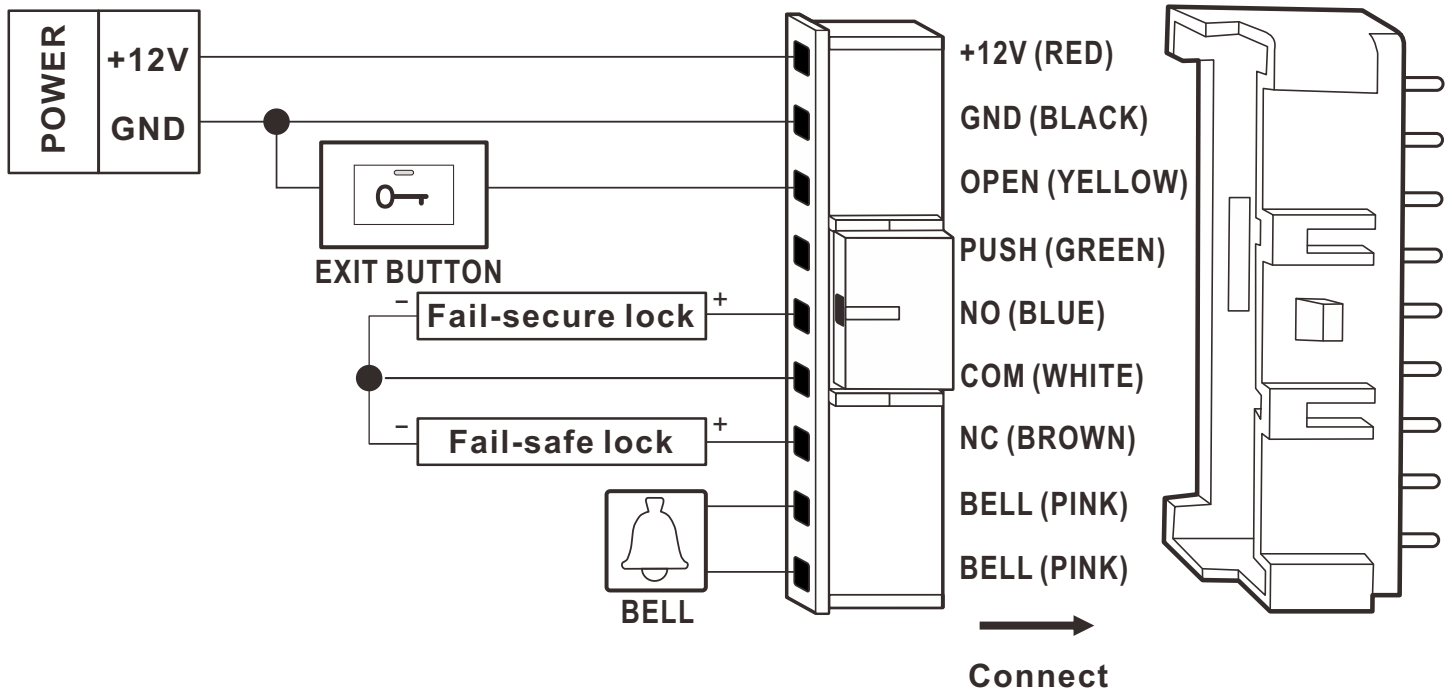


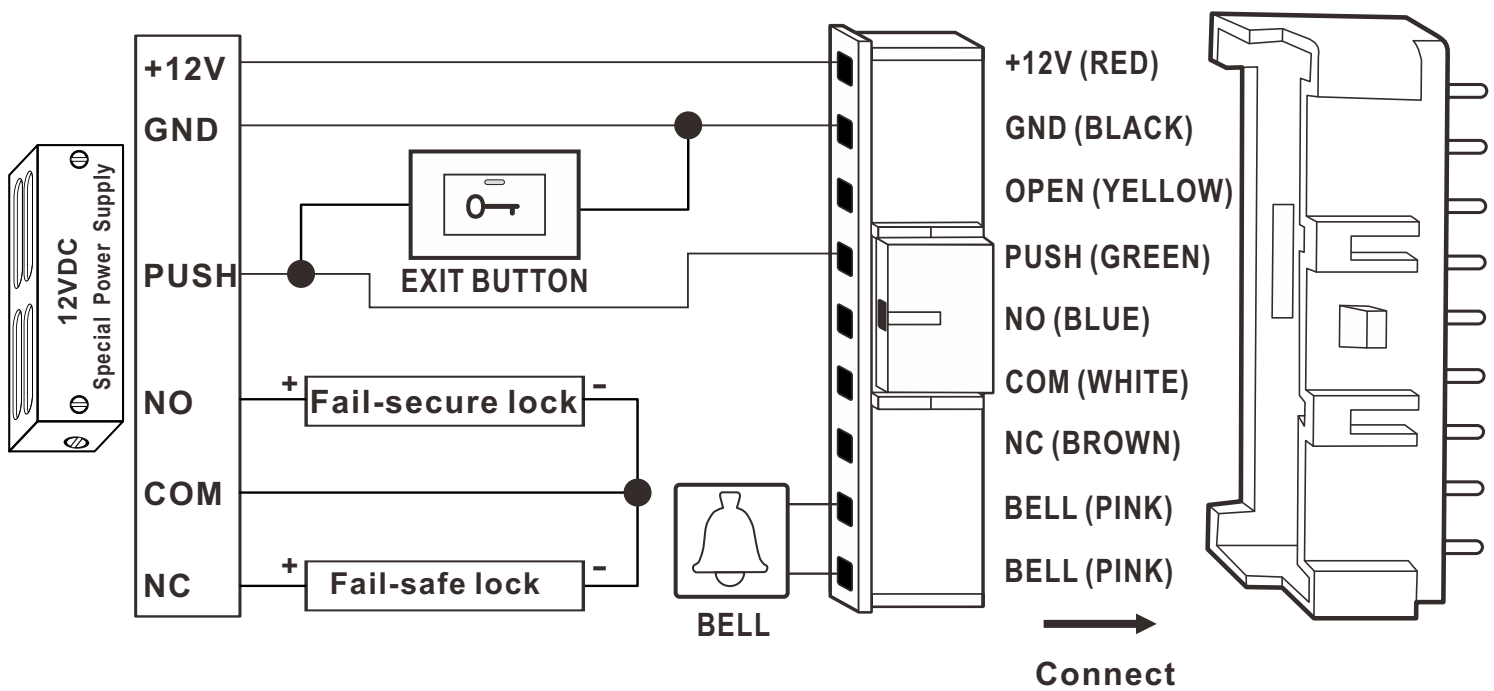
Figure 5
Installation of securing screw

7. Wiring Diagram


1) Connected to Common Power Supply



2) Connected to Special Power Supply



8. Menu

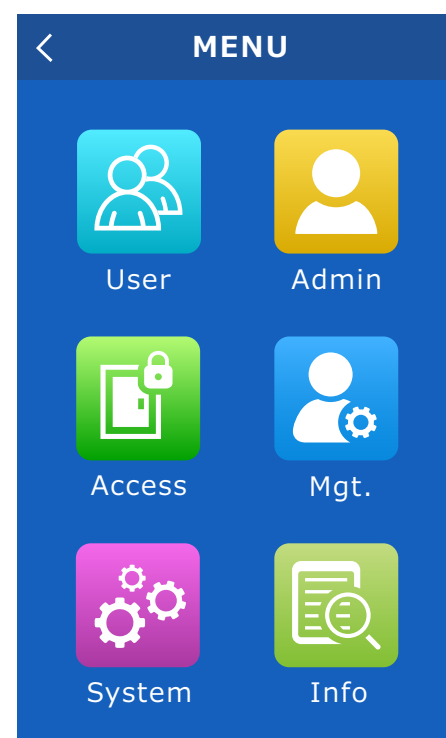
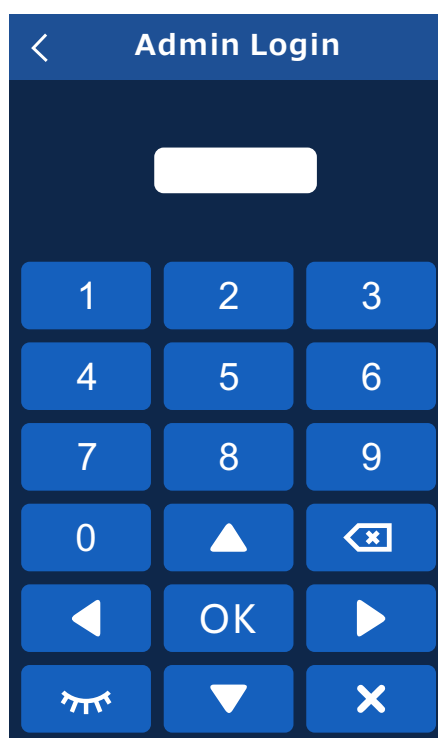
When the device is in stand-by mode, tap  on the bottom right corner, and then you will enter the Menu interface after the admin logs in. (If there is no admin registered, an admin login is not required to enter the menu interface.)

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

1: Remove power from the HBK-A05F.

2: Apply power to the HBK-A05F.

3: Tap , enter '00', and tap 'OK' within 5 seconds after the HBK-A05F enters the standby interface.



User: Register, view, edit and delete users, as well as delete all users.

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

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

Mgt.: Set WiFi match, anti-disassemble alarm and voice prompt.

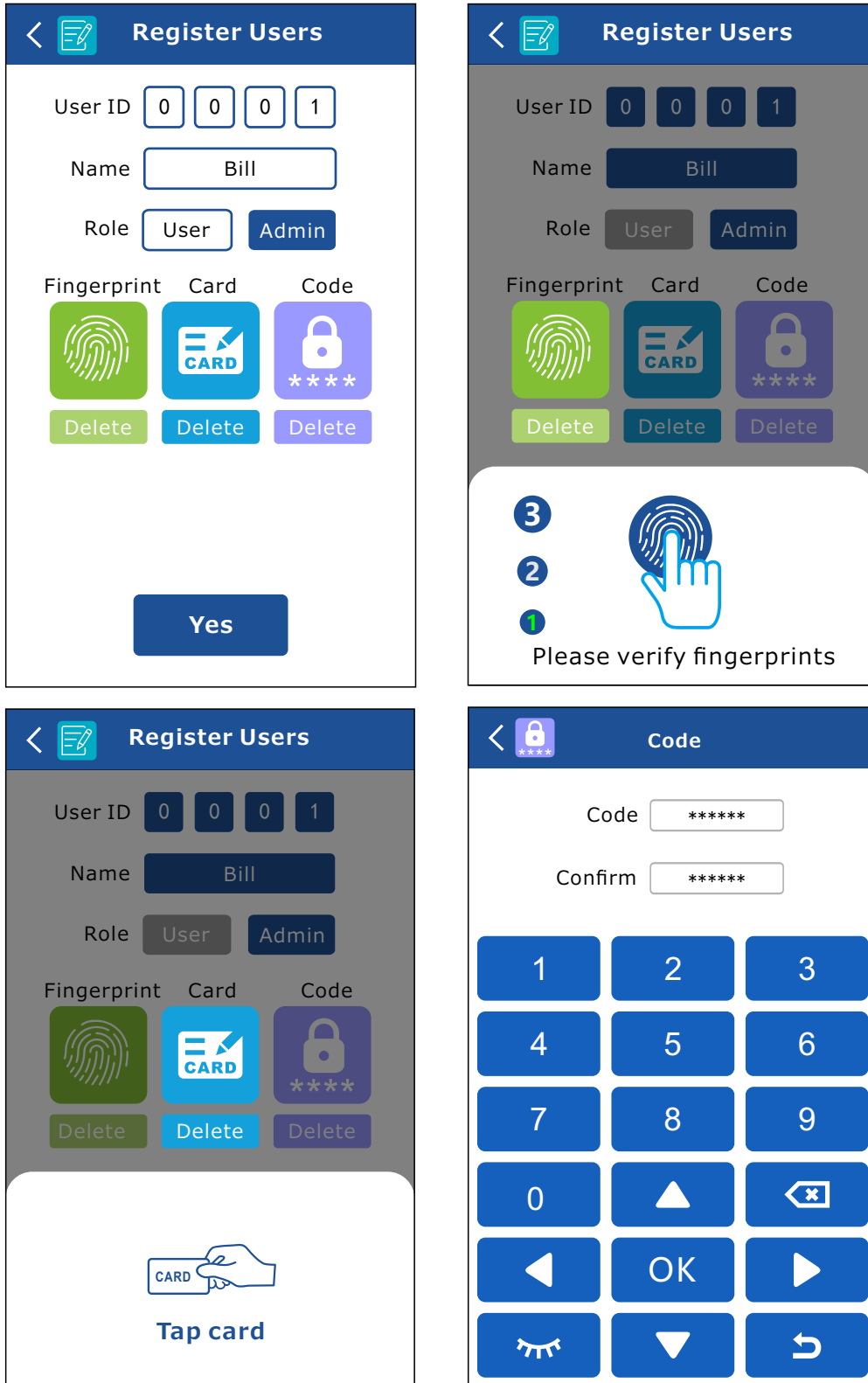
System: Set language, volume, brightness, screen sleep, idle screen return and factory reset.

Info: View the quantity of admins, card users, code users, fingerprint users and firmware version.

9. User

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

9.1 Register User



The length of code can be 4-8 digits.

9.2 User List

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

User ID	Name	Card No.	Edit
1	Bill	0006331534	
2	Tom	0006331535	
3	Jacky	0006331536	
4	Mary	0006331537	

User ID: 0 0 0 1
Name: Bill
Role: User Admin
Fingerprint Card Code

Delete Delete Delete
Delete User

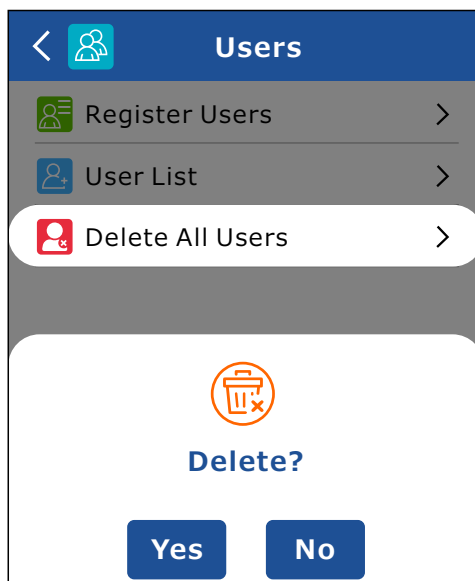
Delete?
Yes NO

Delete?
Yes NO

Delete?
Yes NO

9.3 Delete All Users

Attention: Delete all card, code and fingerprint users, please operate carefully.



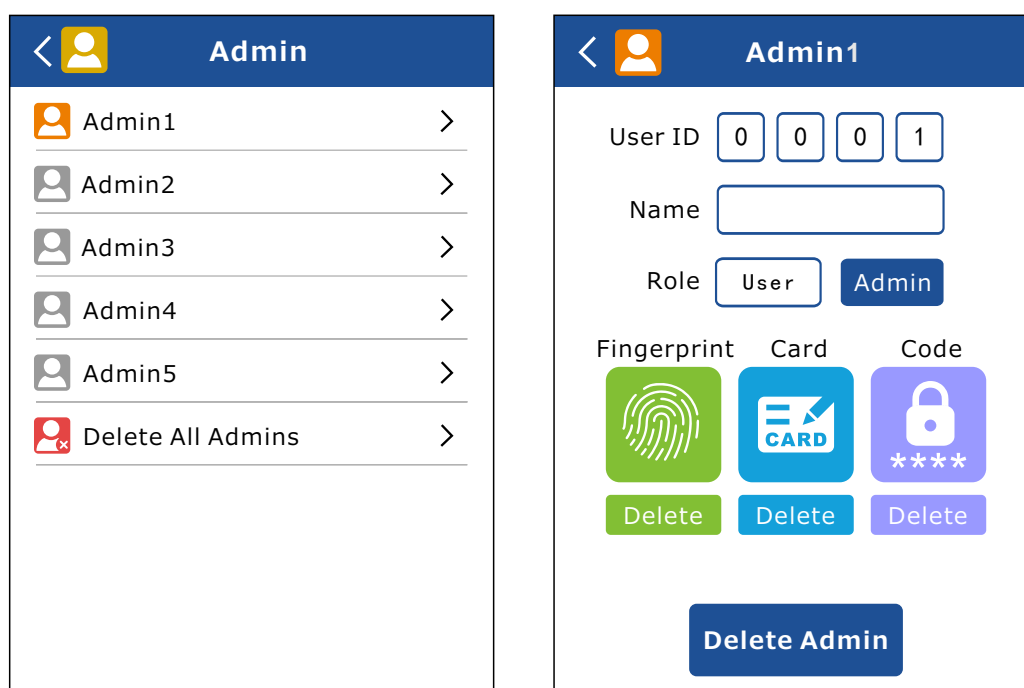
10. Admin

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

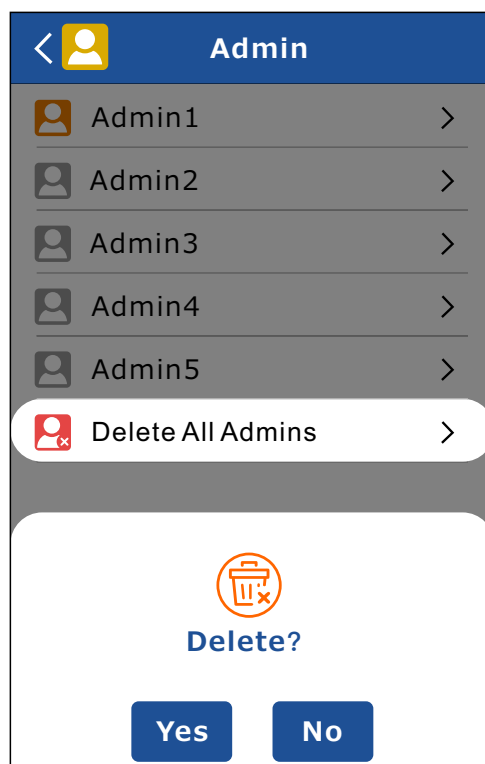
10.1 Admin

Five admins can be registered.

You can tap each admin to view the details of that admin, and you can also edit or delete that admin 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:

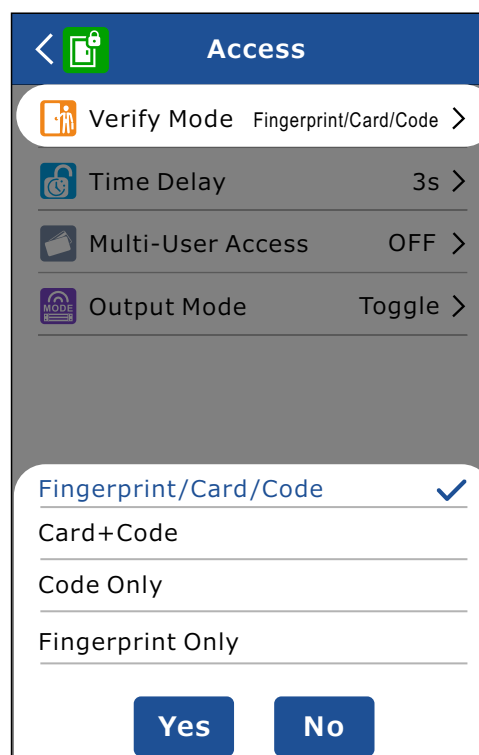
Entry by card and code together.

Code Only:

Entry by code only.

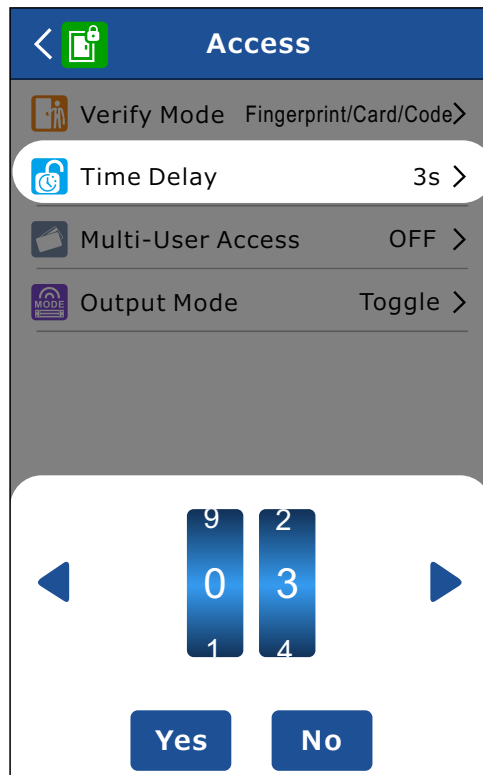
Fingerprint Only:

Entry by fingerprint only.



11.2 Time Delay

The device supports 0-99s time delay.

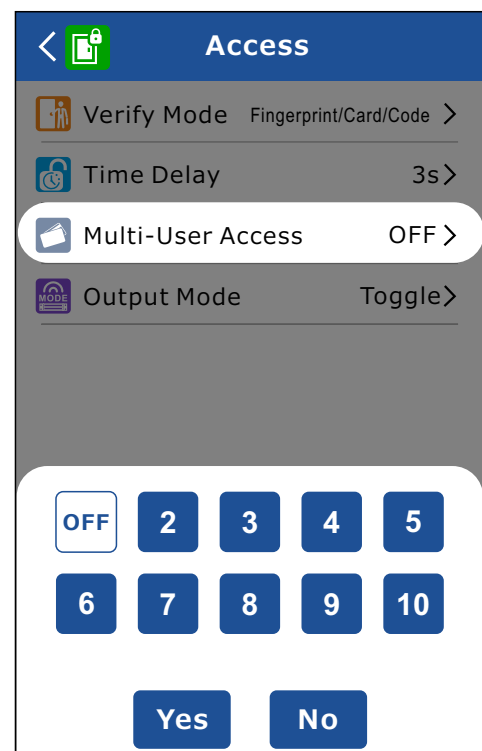


11.3 Multi-User Access

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.

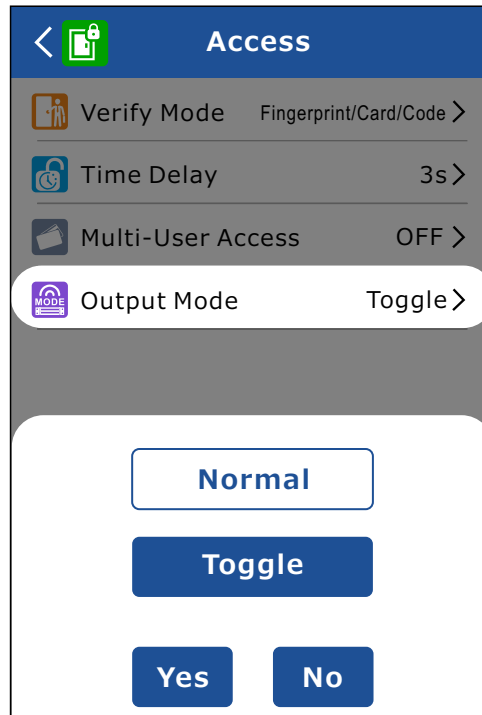
In Fingerprint Only Mode, the door will not open until a set number of users verify their fingerprints.



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.

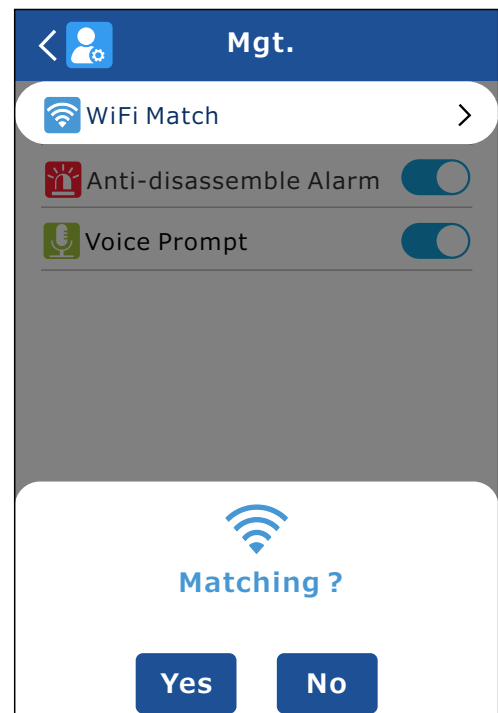


12. Mgt.

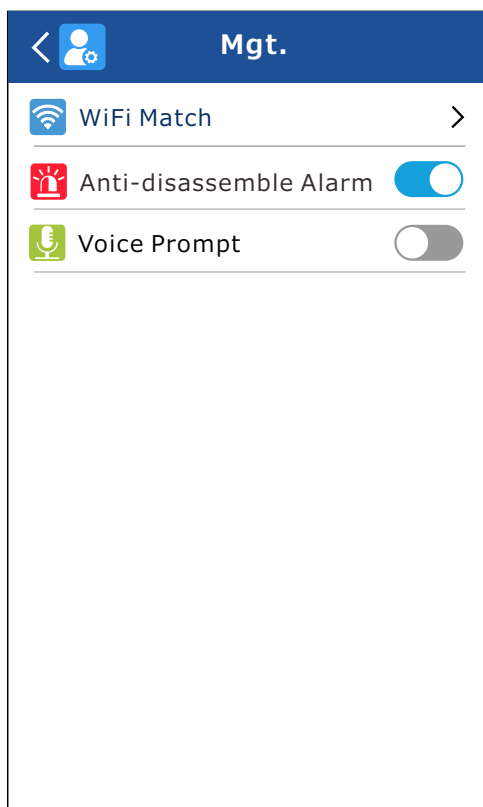
After entering the Menu interface, tap Mgt. to enter [Mgt.] interface.

12.1 WiFi Match

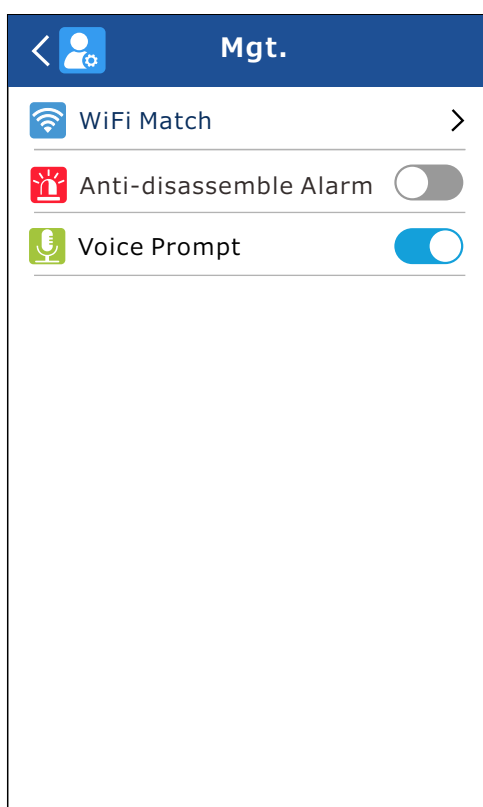
Compatible with 2.4GHz Tuya Smart, for more information please refer to 'Tuya Smart APP Operation Guide' in this manual.



12.2 Anti-disassemble Alarm



12.3 Voice Prompt

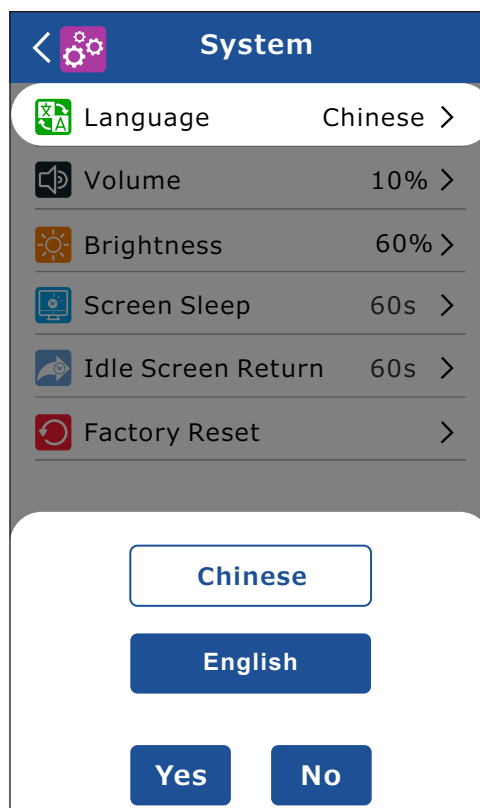


13. System

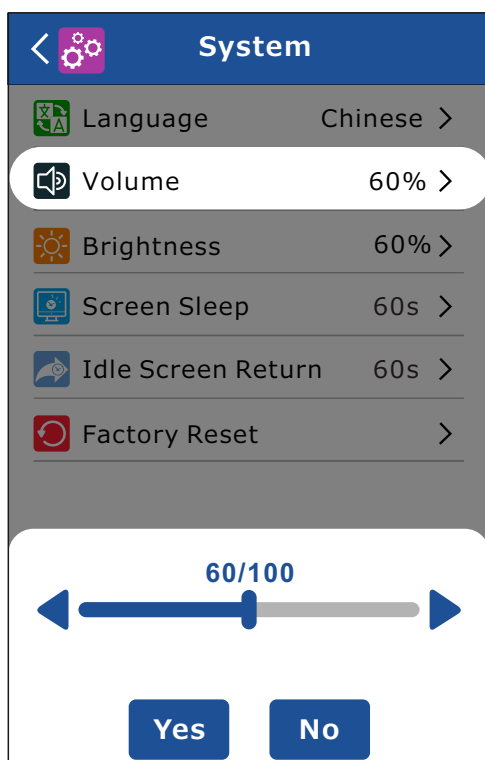
After entering the Menu interface, tap System to enter [System] interface.

13.1 Language

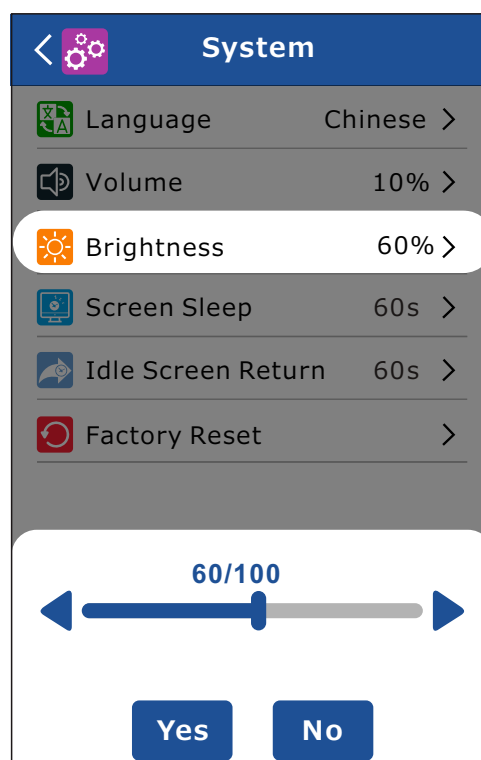
Support English and Chinese.



13.2 Volume

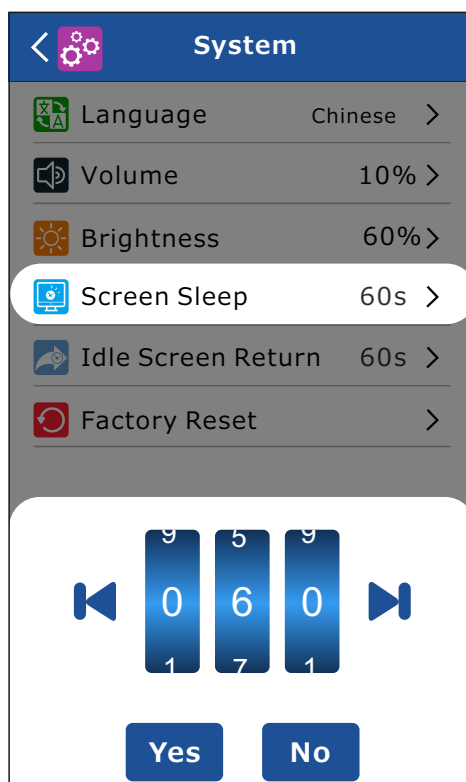


13.3 Brightness



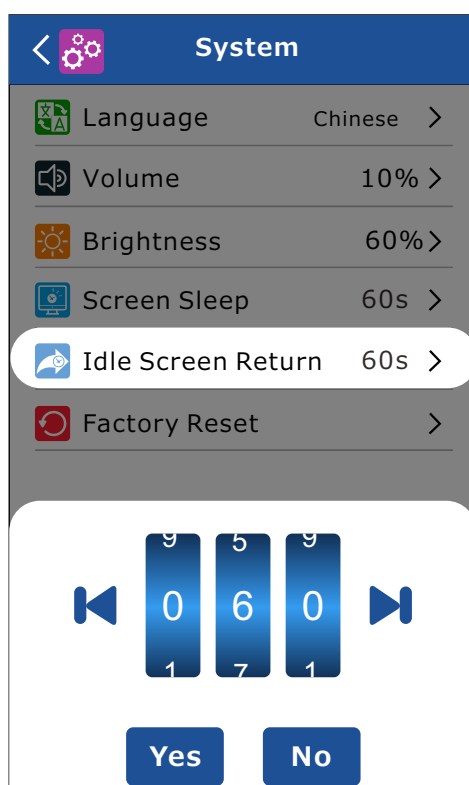
13.4 Screen Sleep

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



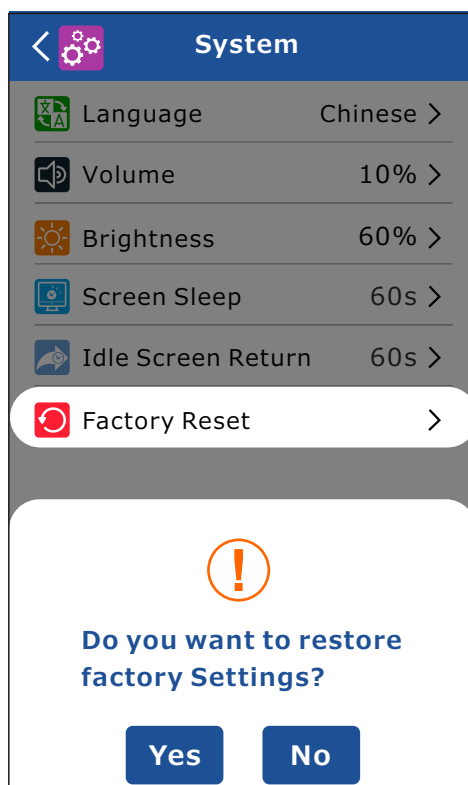
13.5 Idle Screen Return

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



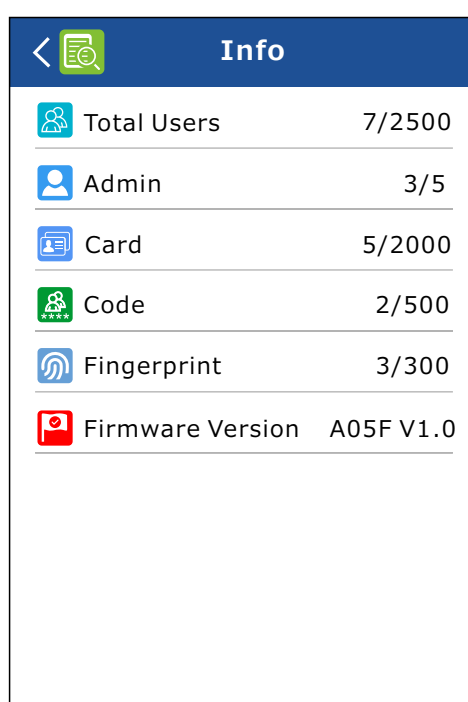
13.6 Factory Reset

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



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 firmware version.

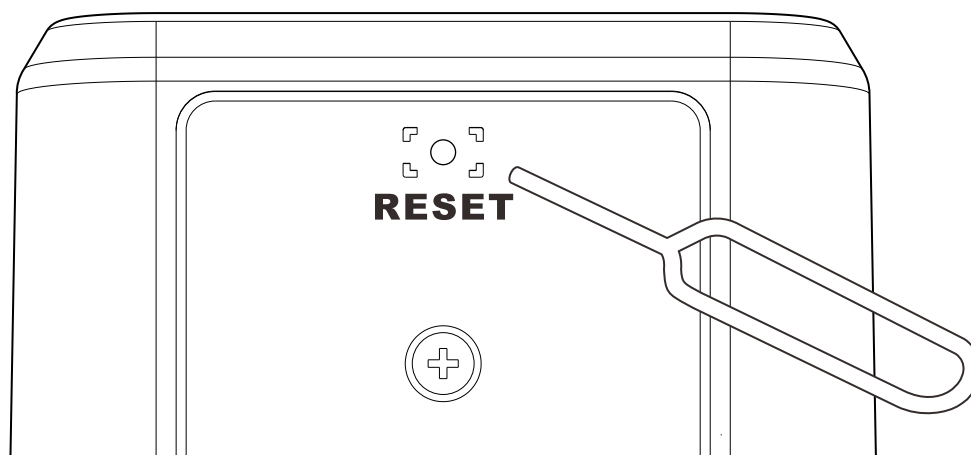


15. Other Functions

15.1 Reset Button

To restart the device by the Reset Button when the device cannot operate normally.

1. Find a tool with a tip's diameter less than 2mm.
2. Find the hole with a mark 'Reset' on the bottom of the device, as shown in the figure below.
3. Insert the tool into the hole, take out the tool when the device is shut down, and then the device will be restarted.



15.2 Tamper Alarm Button

Tamper alarm button is located at the back of the device (near the Wiring Terminal). The button is pressed by the back plate when the device is installed properly. If the device is dismantled from the back plate, the Tamper Alarm will be triggered.

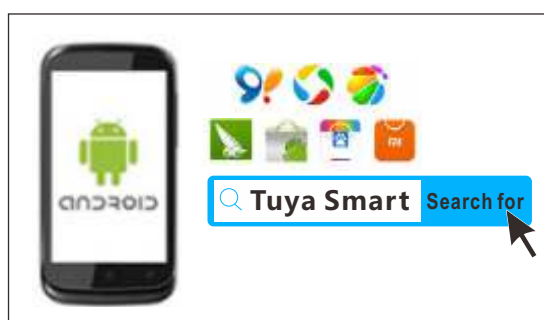
Canceling Alarm

After you install the device properly and enter the Menu interface, the screen will display 'Anti-Tamper Alarm'. Tap the button next to it to close the alarm.

16. Tuya Smart APP Operation Guide

1. Download Tuya Smart APP

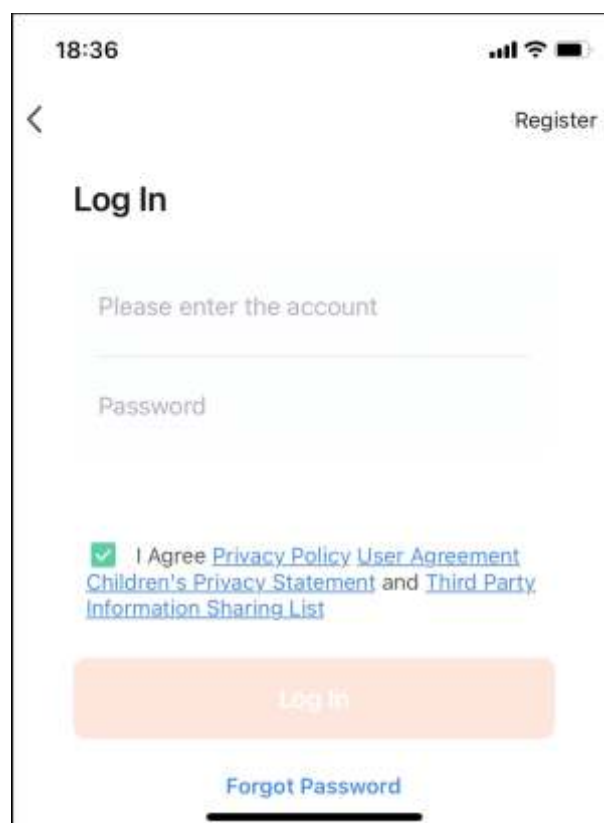
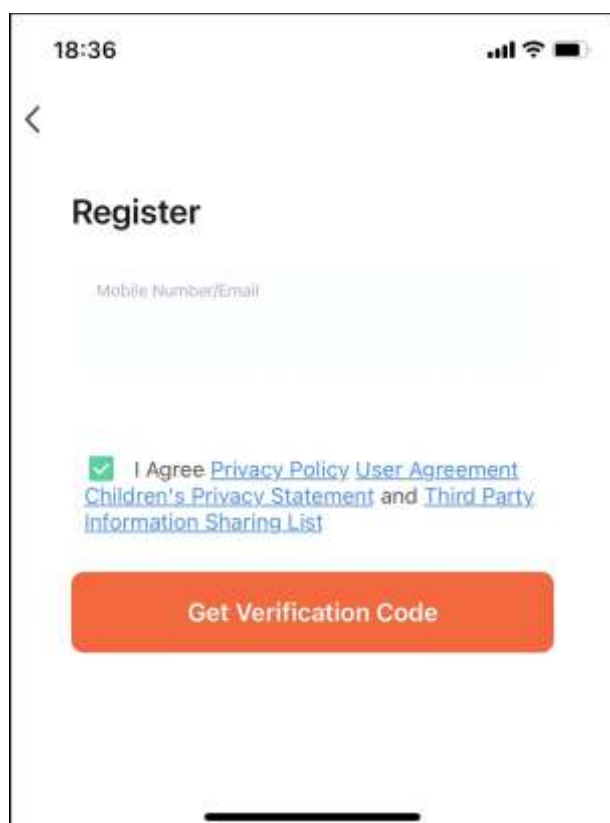
Search 'Tuya Smart' in App Store for iOS version or Google Play for Android version.



2. Registration and Login

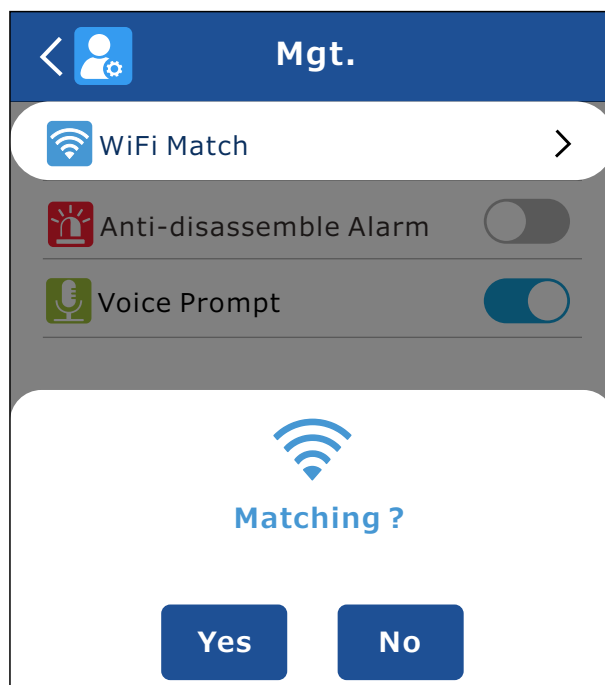
Tap 'Register' on the top-right corner, then input a valid mobile number or email address and tap 'Get Verification Code'.

Enter verification code and set password, tap 'Done'.

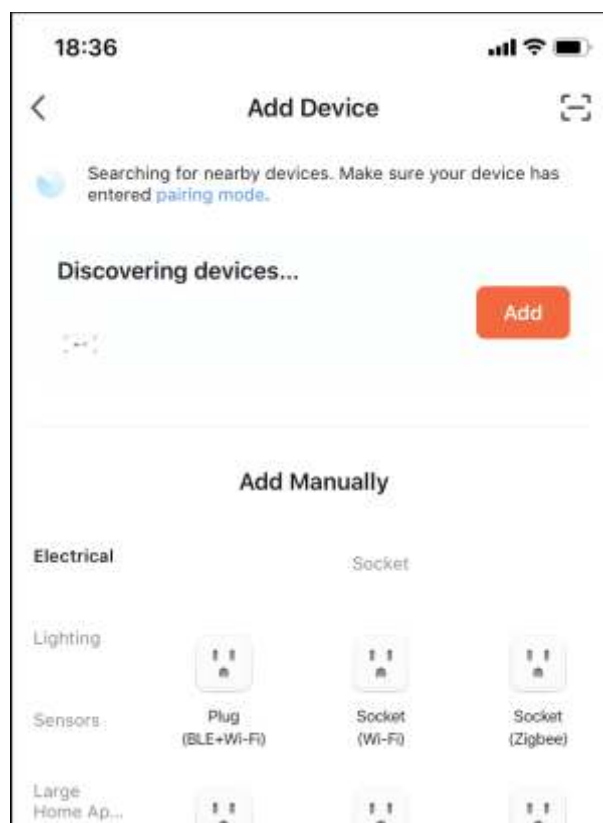
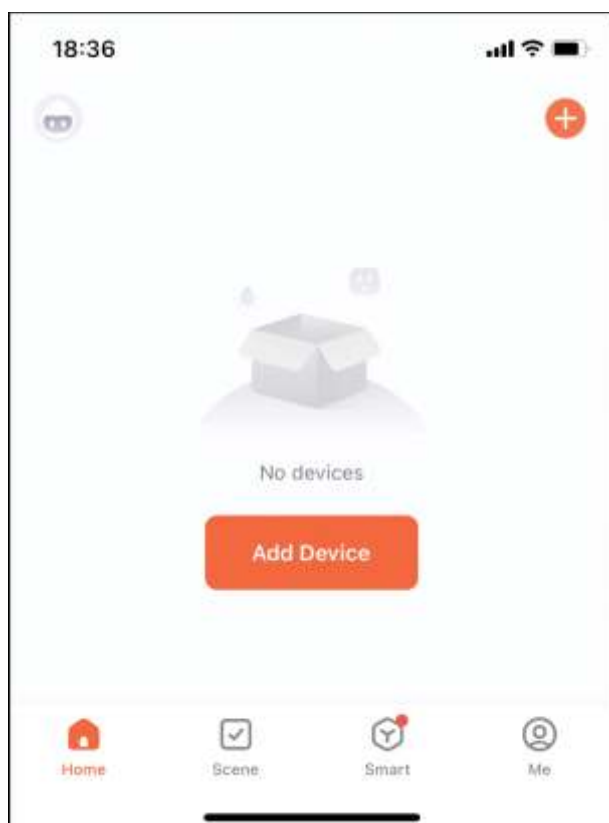


3. WiFi Pairing

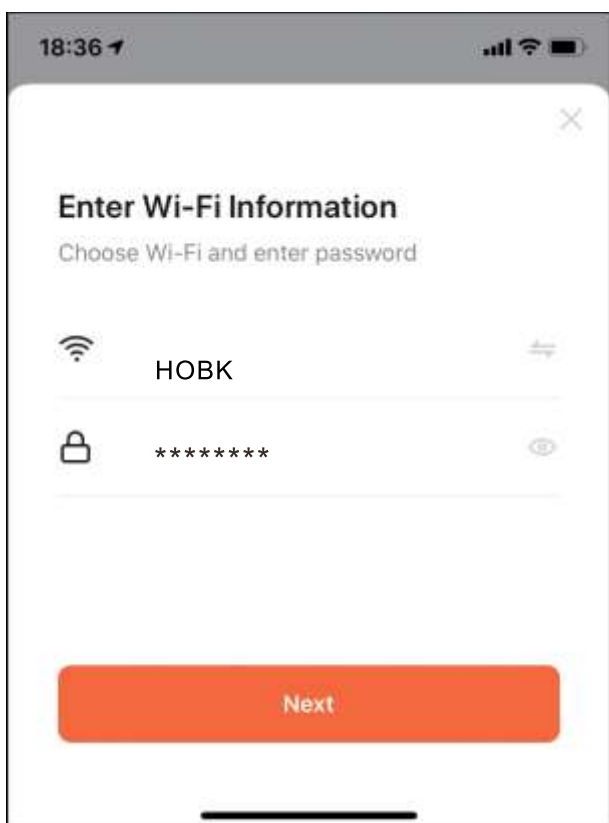
Step 1. Tap WiFi Match>Yes on the HBK-A05F to enter pairing mode, it will take 30-180 seconds.



Step 2. Tap 'Add Device' on the home page of Tuya Smart APP followed by tapping 'Add' to enter Wi-Fi information.

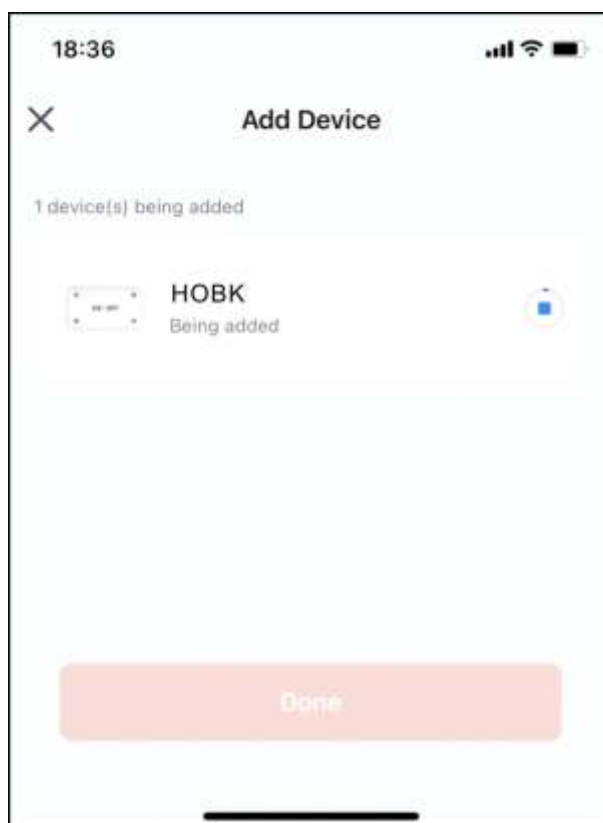


Step 3. Choose Wi-Fi and enter password.

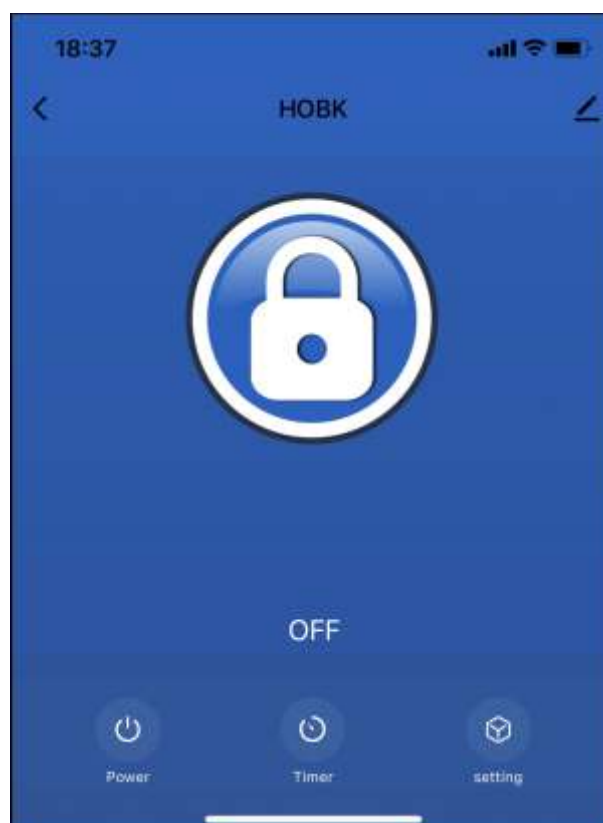
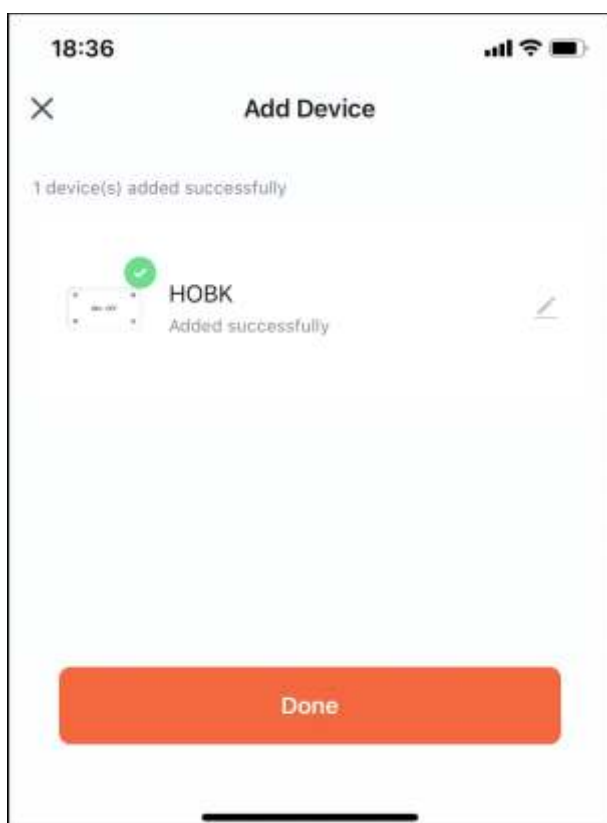


The WiFi must be the same as the one that the phone is connected to, otherwise it will cause offline problem. The Tuya Smart only supports 2.4GHz Wi-Fi communication protocol and can't support 5GHz.

Step 4. The Tuya Smart app will search for nearby device and connect to the HBK-A05F.



Step 5. Name the added device.



17. 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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