UHPPOTE

2.4-inch TFT RFID

HBK-A04T

Access Control Terminal
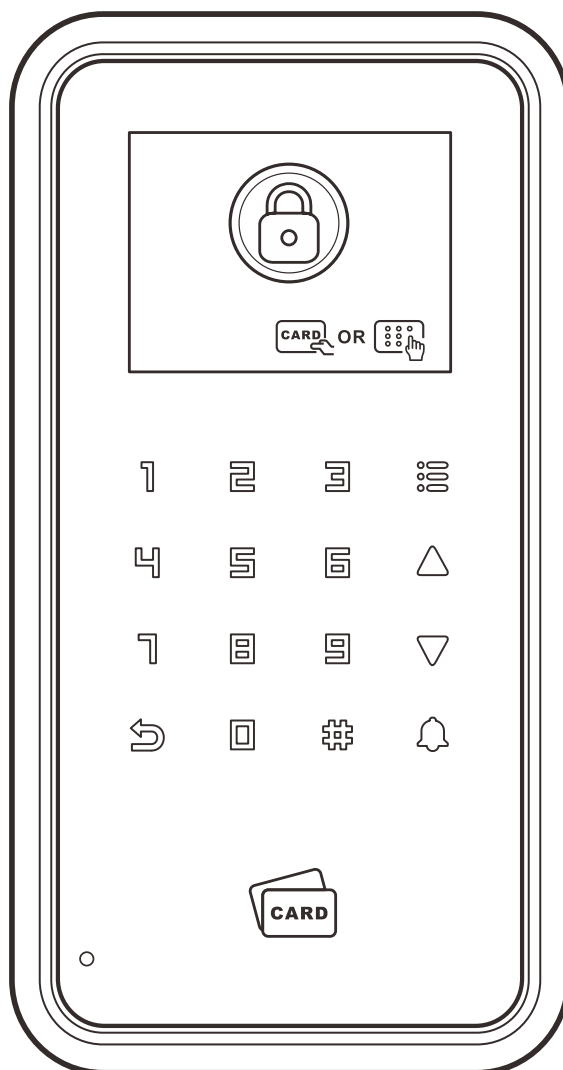
USER MANUAL

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, 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 cleansing.

2. Features

- Built-in 2.4"color display.
- 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.
- Ultra-low power consumption, the standby current is less than 50mA.
- Support Card Only, Code Only, Card + Code, Card or Code, mobile app five different door opening modes.
- With doorbell button, supports to connect external bell.
- Backlit keys for easy nighttime use.
- Widely used in building, hospital, urban rail transit, data center, enterprise park and other fields.

3. Specifications

Display:2.4" TFT	Resolution: 320 X 240
User Capacity: 2000 card, 500 code	Card Type: ID card
Operating Voltage: 12VDC	WiFi Standard: 2412-2462MHz
Operating Temperature: -22°F-140°F	Card Frequency: 125KHz
Door Open Time: 0-99s (adjustable)	Static Current: 50mA
Operating Humidity: 10%–90%RH	Enclosure Material: ABS Plastic
Panel Material: PC	Product Weight: 7.05oz
Dimensions: 6-1/8" x 3-11/64" x 1-33/64"	
Door Open Mode: Card Only, Code Only, Card + Code, Card or Code, mobile app	
Reading Distance: Max. 2-23/64" (related to card type and working environment)	

4. HBK-A04T Access Control Terminal

Menu

Scroll up

Scroll down

Return

Doorbell

Confirm
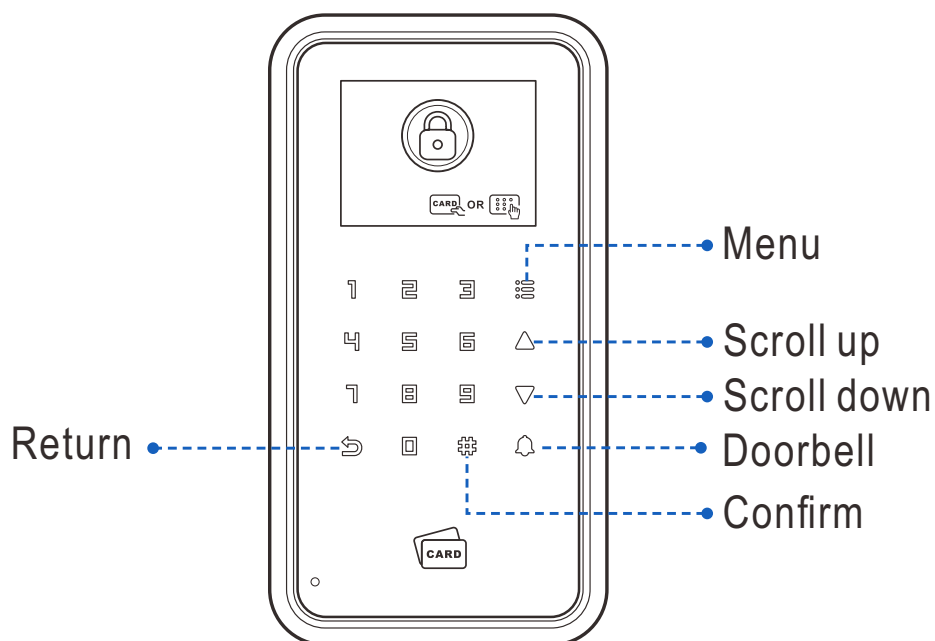
5. Installation

- 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

Wall
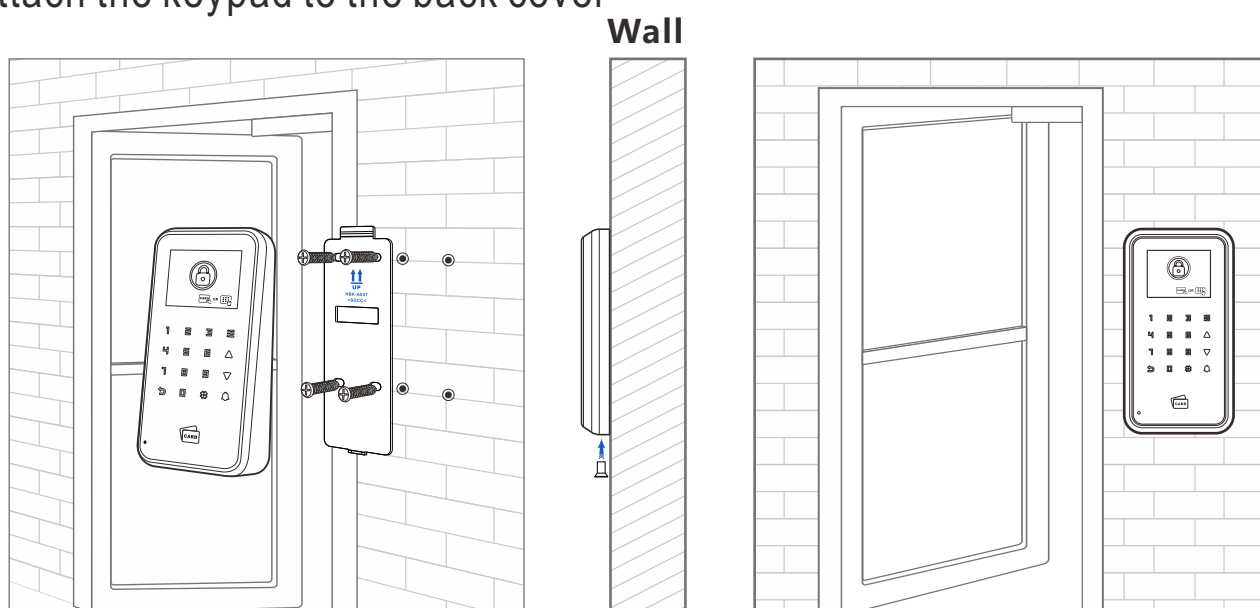
6. Wiring Diagram

1) Common Power Supply Diagram

POWER	
+12V	
GND	

+12V (RED)
GND (BLACK)
OPEN (YELLOW)
PUSH (GREEN)
NO (BLUE)
COM (WHITE)
NC (BROWN)
BELL (PINK)
BELL (PINK)

EXIT BUTTON

− Fail-secure lock +

− Fail-safe lock +

BELL

Connect

2) Special Power Supply Diagram

12VDC Special Power Supply

+12V
GND
PUSH
NO
COM
NC

EXIT BUTTON

+ Fail-secure lock −

+ Fail-safe lock −

BELL

+12V (RED)
GND (BLACK)
OPEN (YELLOW)
PUSH (GREEN)
NO (BLUE)
COM (WHITE)
NC (BROWN)
BELL (PINK)
BELL (PINK)

Connect
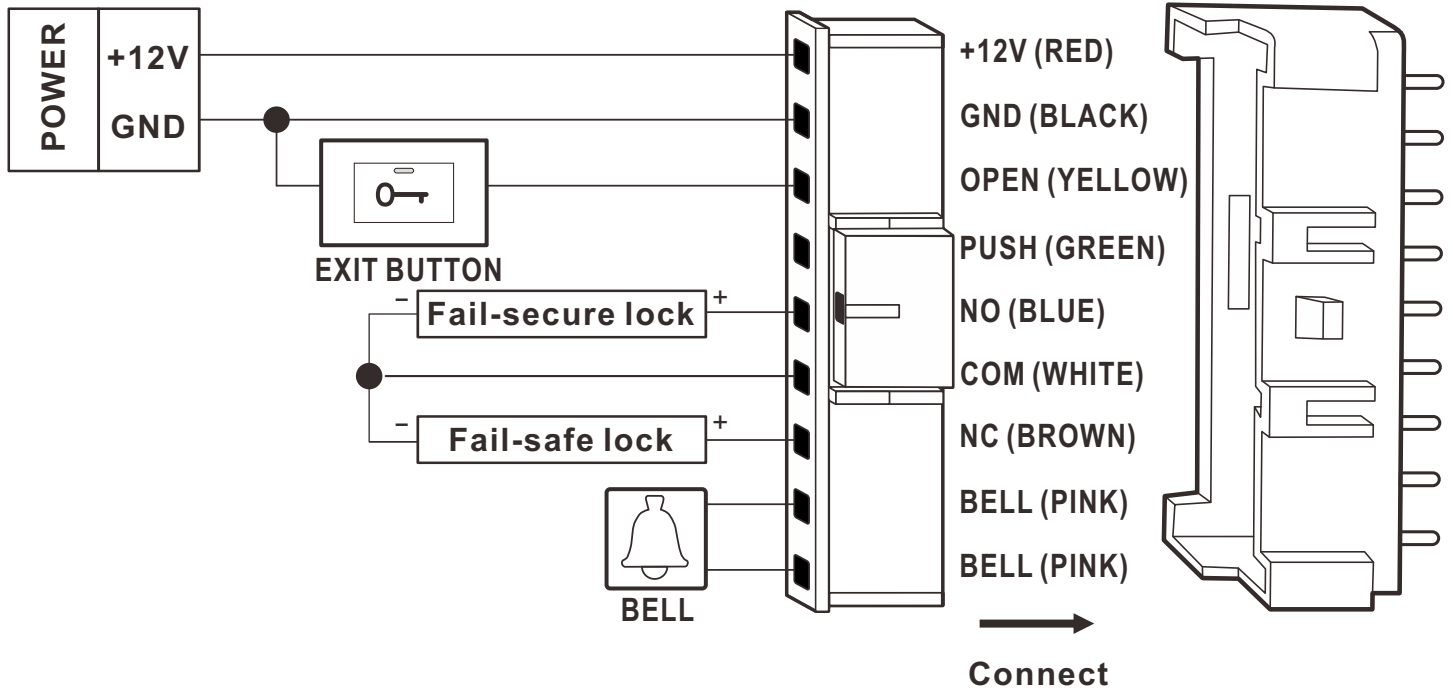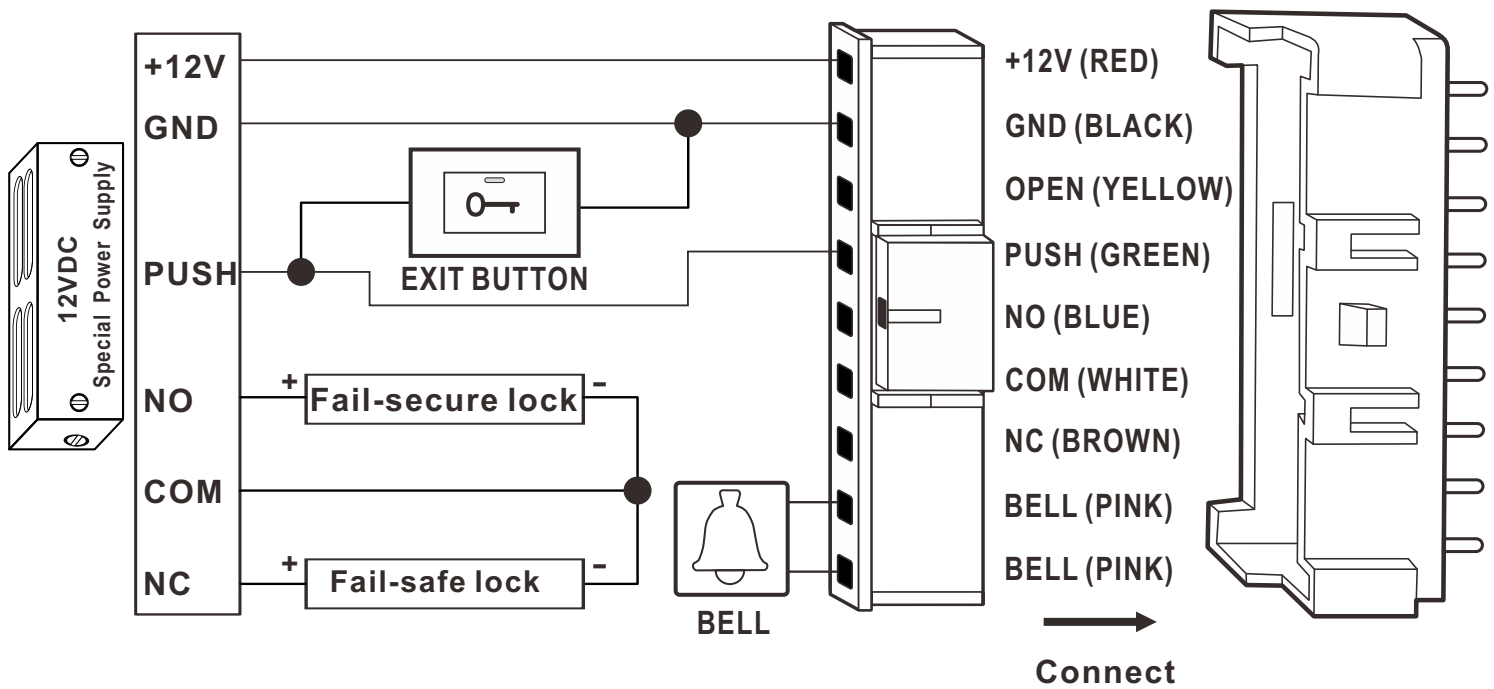
7. Main Menu

When the device is in stand-by mode, tap ☰ and select 'Admin' to enter the main menu.

Default admin code is 123456

Admin   User

Esc: ↩   Enter: #

Admin Code

Code: ******

Esc: ↩   Enter: #

Menu

Add Users   Del Users   Door Setup

Settings   Device   Info

Esc: ↩   Enter: #
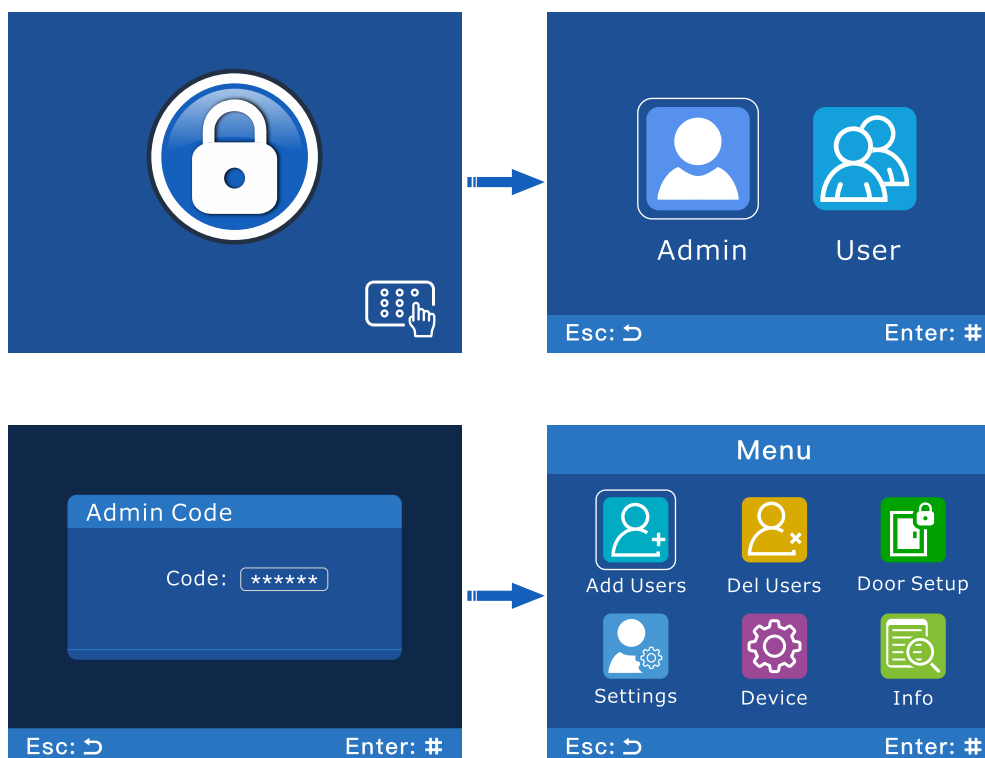
Add Users: Add card user or code user

Del Users: Delete users by card, user ID or Card No., also can delete all users.

Door Setup: Set open mode, door open time, output mode and multi-card access.

Settings: Set anti-tamper alarm, buzzer, backlight, screen sleep and language.

Device: Set admin card, admin code, public code, Wi-Fi and factory reset.

Info: View the quantity of users and device version.

8. Add Users

Tap ☰ >Add Users to enter [Add Users] interface.

The users can be added continuously. And the device automatically allocates an User ID starting from 0001 to 9999 for every user in sequence.

8.1 Card User

Add Users	Card User	Card User
● Card User >	User ID: 0 0 4 5	User ID: 0045
● Code User >		✓
	Swipe Card	Swipe Card
Esc: ↺ Enter: #	Esc: ↺ Enter: #	Esc: ↺ Enter: #
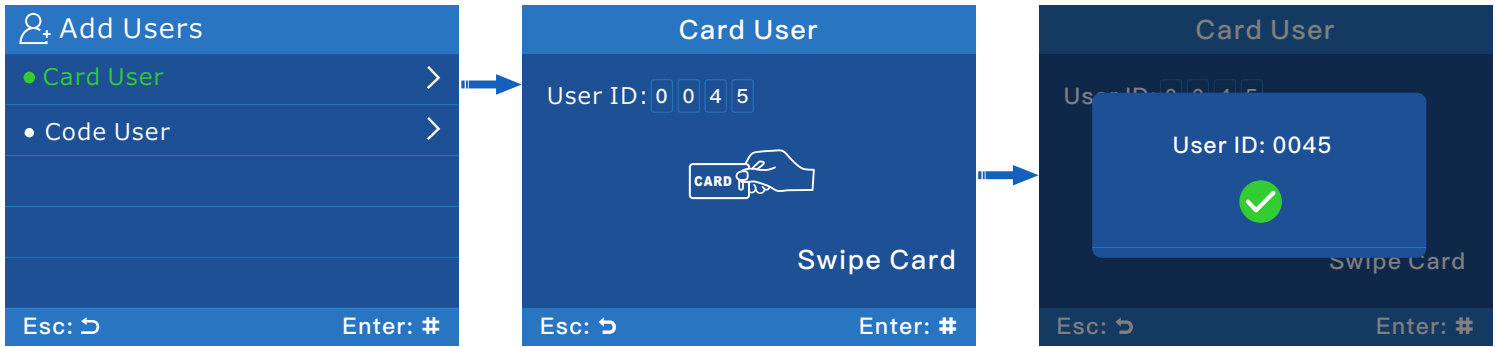
Enter [Card User] interface, swipe card on the card sensor.

If the users was added already, an interface shown below.

Card User
User ID: 0045
✕
Swipe Card
Esc: ↺ Enter: #
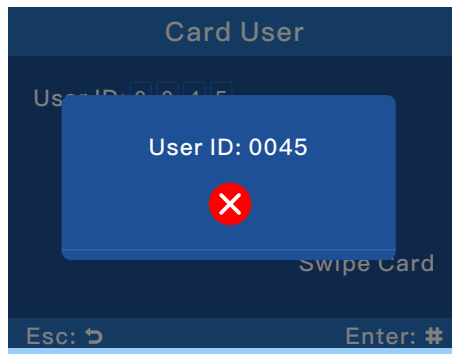
8.2 Code User

The length of code is 4-8 digits.

Add Users	Code User	Code User
● Card User >		User ID: 0045
● Code User >	User ID: 0 0 4 5	Code: ******
		Confirm: ******
		● Accept 4-8 digits
Esc: ↺ Enter: #	Esc: ↺ Enter: #	Esc: ↺ Enter: #

9. Delete Users

Tap ≡ >Del Users to enter [Del Users] interface.

9.1 Delete by Card
Swipe card on the card sensor.

Delete Users		Delete by Card	Delete by Card
● Delete by Card	>		
● Delete by User ID	>		User ID: 0045 🗑
● Delete by Card No.	>		✓
● Delete all Users	>		
		Swipe Card	Swipe Card
Esc: ↺	Enter: #	Esc: ↺ Enter: #	Esc: ↺ Enter: #
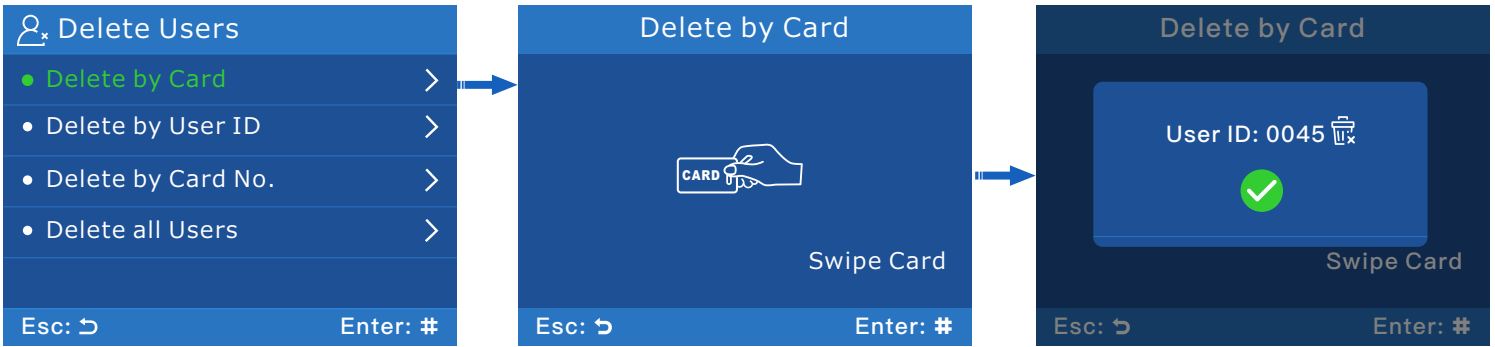
9.2 Delete by User ID

Input the 4-digit user ID.

Delete Users		Delete by User ID	Delete by User ID
● Delete by Card	>		User ID: 0001 🗑
● Delete by User ID	>		Yes
● Delete by Card No.	>	User ID: 0 0 0 1	
● Delete all Users	>		NO
Esc: ↺	Enter: #	Esc: ↺ Enter: #	Esc: ↺ Enter: #
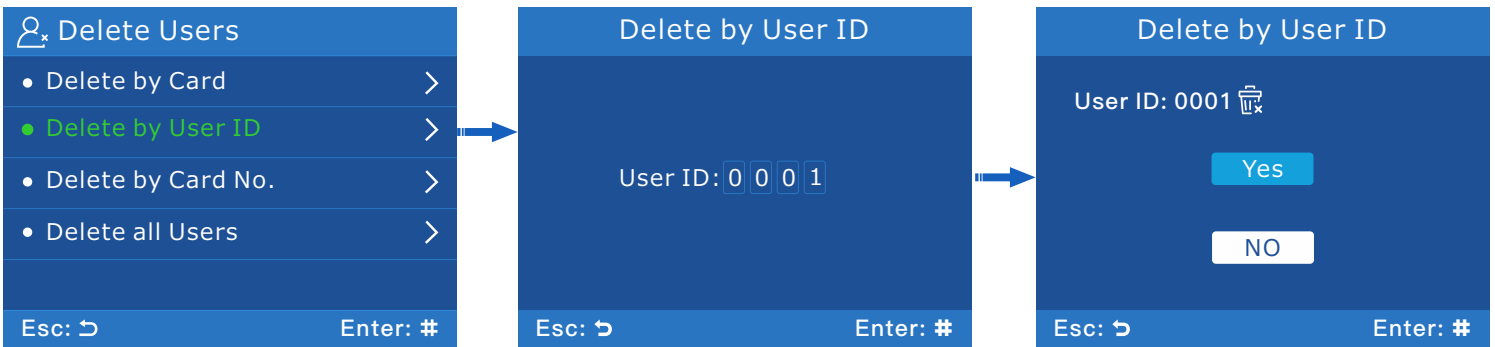
9.3 Delete by Card No.

Input the card number on the card.

Delete Users		Delete by Card No.	Delete by Card No.
● Delete by Card	>		Card Number: 0006313497 🗑
● Delete by User ID	>		Yes
● Delete by Card No.	>	Card No: 0006313497	
● Delete all Users	>		NO
Esc: ↺	Enter: #	Esc: ↺ Enter: #	Esc: ↺ Enter: #
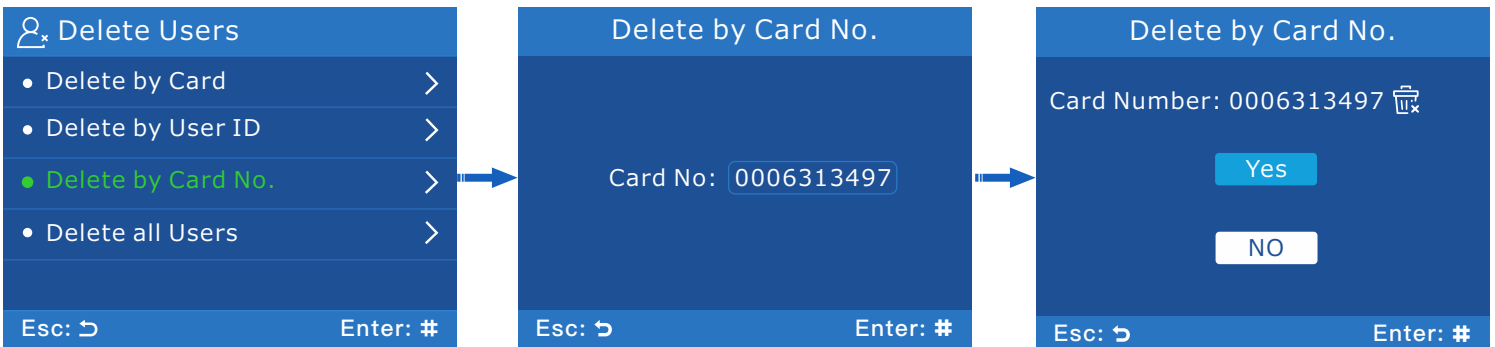
9.4 Delete all Users

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

Delete Users		Delete all Users
● Delete by Card	>	🗑
● Delete by User ID	>	
● Delete by Card No.	>	Yes
● Delete all Users	>	NO
Esc: ↺	Enter: #	Esc: ↺ Enter: #
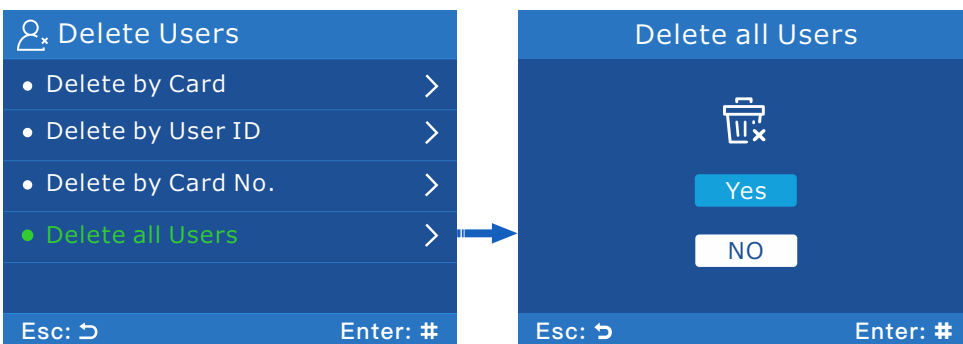
10. Door Setup

Tap ☰ >Door Setup to enter [Door Setup] interface.

10.1 Open Mode

🔐 Door Setup	
● Open Mode	Card or Code ❯
● Time Delay	0 1 S
● Multi-Card Access	OFF
● Output Mode	Normal
Esc: ↩	Enter: #

Open Mode	
● Card or Code	✓
● Card + Code	
● Code Only	
● Card Only	
Esc: ↩	Enter: #
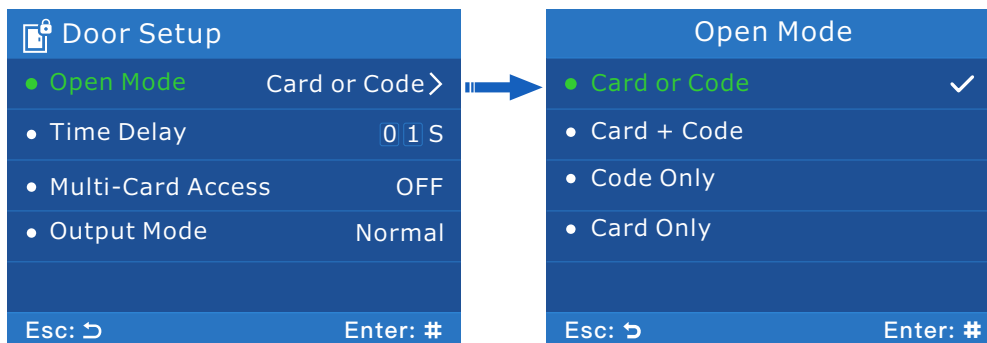
Card or Code: Entry is by either card or code. (default)

Card + Code: Entry is by card and code together.

Code Only: Entry is by code only.

Card Only: Entry is by card only.

10.2 Time Delay

🔐 Door Setup	
● Open Mode	Card or Code ❯
● Time Delay	0 1 S
● Multi-Card Access	OFF
● Output Mode	Normal
Esc: ↩	Enter: #
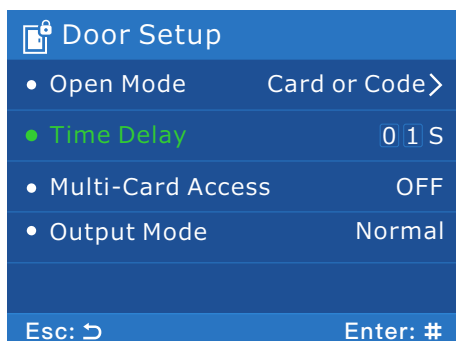
Select Time Delay and enter the time.
The device supports 0-99s time delay.

10.3 Multi-card Access

Only for Card Only mode. The door will open when the quantity of valid cards readed.

🔐 Door Setup	
● Open Mode	Card or Code ❯
● Time Delay	0 1 S
● Multi-Card Access	OFF
● Output Mode	Normal
Esc: ↩	Enter: #

Multi-Card Access				
OFF	2	3	4	5
6	7	8	9	10
Esc: ↩				Enter: #
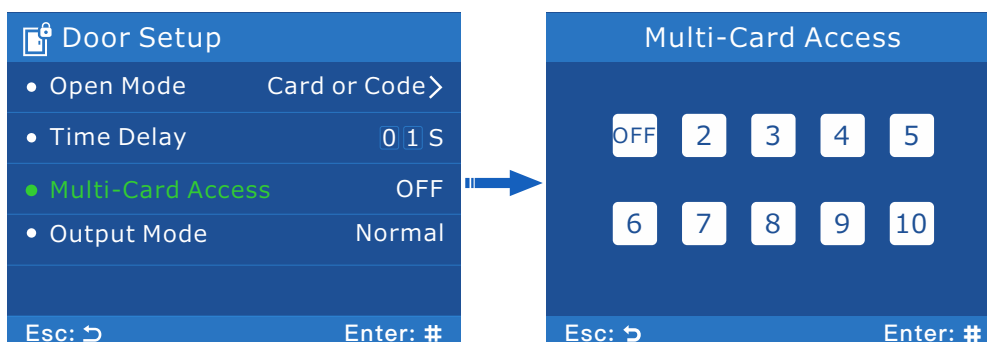
10.4 Output Mode

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

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

🔒 Door Setup		Output Mode
● Open Mode Card or Code❯		
● Time Delay 0 1 S		Normal
● Multi-Card Access OFF		
● Output Mode Normal	⇒	Toggle
Esc: ↰ Enter: #		Esc: ↰ Enter: #
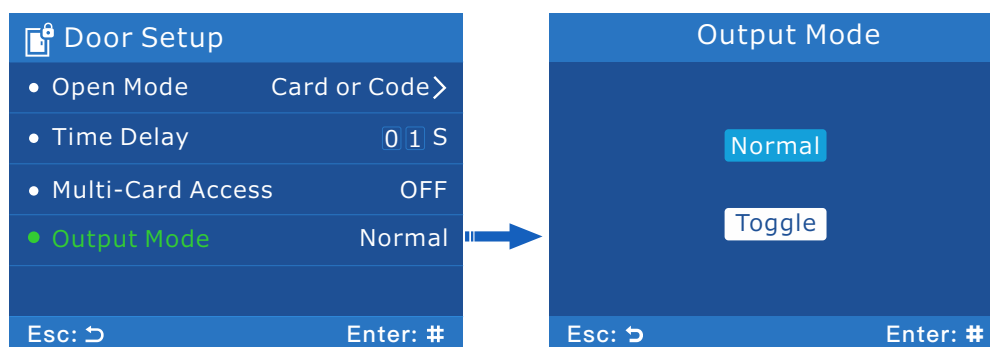
11. Device

Tap ☰ >Device to enter [Device] interface.

11.1 Anti-tamper Alarm

Tamper alarm button is located at the back of the device.

⚙ Device		Anti-tamper Alarm
● Anti-Tamper Alarm ON		
● Sounds ON		ON
● Backlight ON	⇒	
● Screen Sleep ON		OFF
● Language English		
Esc: ↰ Enter: #		Esc: ↰ Enter: #

11.2 Sounds

⚙ Device		Buzzer
● Anti-Tamper Alarm ON		
● Sounds ON		ON
● Backlight ON	⇒	
● Screen Sleep ON		OFF
● Language English		
Esc: ↰ Enter: #		Esc: ↰ Enter: #

11.3 Backlight

⚙ Device	
● Anti-Tamper Alarm	ON
● Sounds	ON
● Backlight	ON
● Screen Sleep	ON
● Language	English
Esc: ↰	Enter: #

Backlight
ON
OFF
AUTO
Esc: ↰   Enter: #

11.4 Screen Sleep

⚙ Device	
● Anti-Tamper Alarm	ON
● Sounds	ON
● Backlight	ON
● Screen Sleep	ON
● Language	English
Esc: ↰	Enter: #

Screen Sleep
ON
OFF
Esc: ↰   Enter: #

11.5 Language

Support English and Chinese.

⚙ Device	
● Anti-Tamper Alarm	ON
● Sounds	ON
● Backlight	ON
● Screen Sleep	ON
● Language	English
Esc: ↰	Enter: #

Language
English
Chinese
Esc: ↰   Enter: #
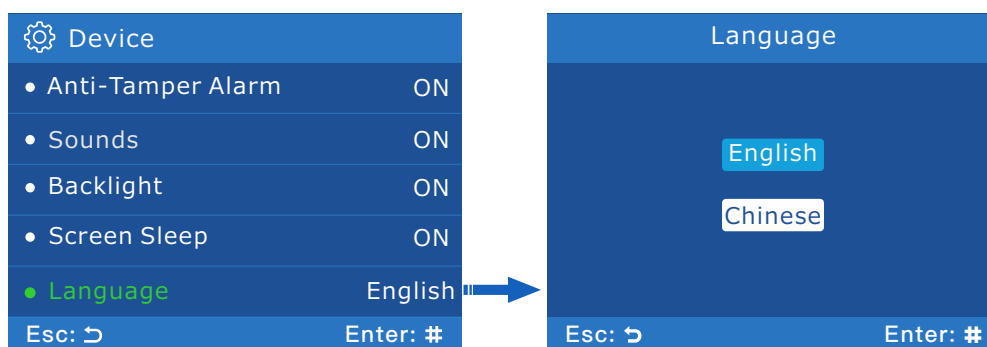
12. Settings

Tap ☰ >Settings to enter [Settings] interface.

12.1 Admin Card
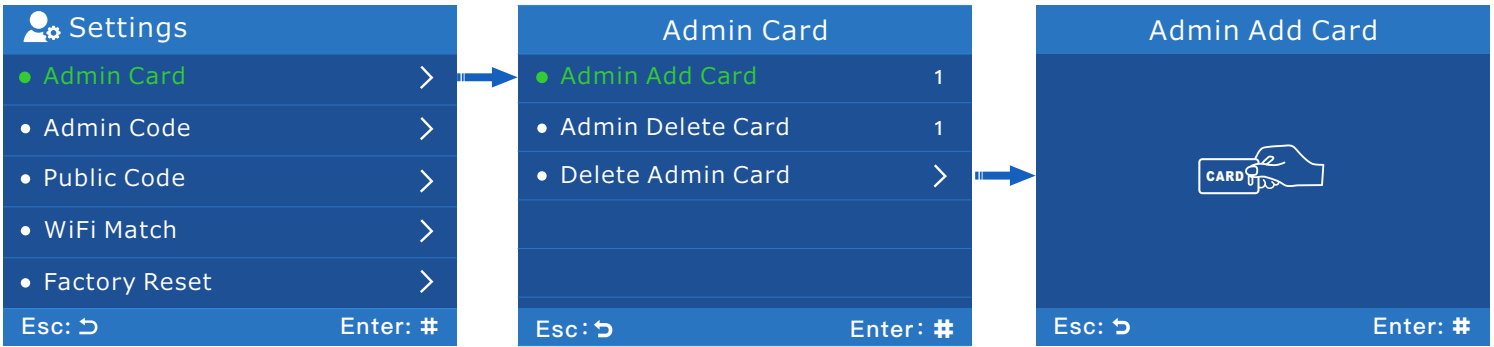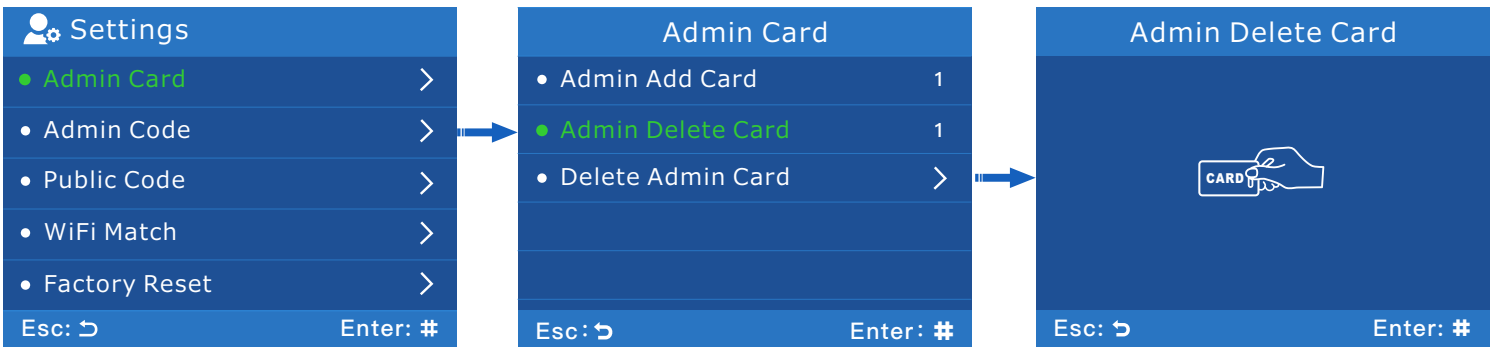
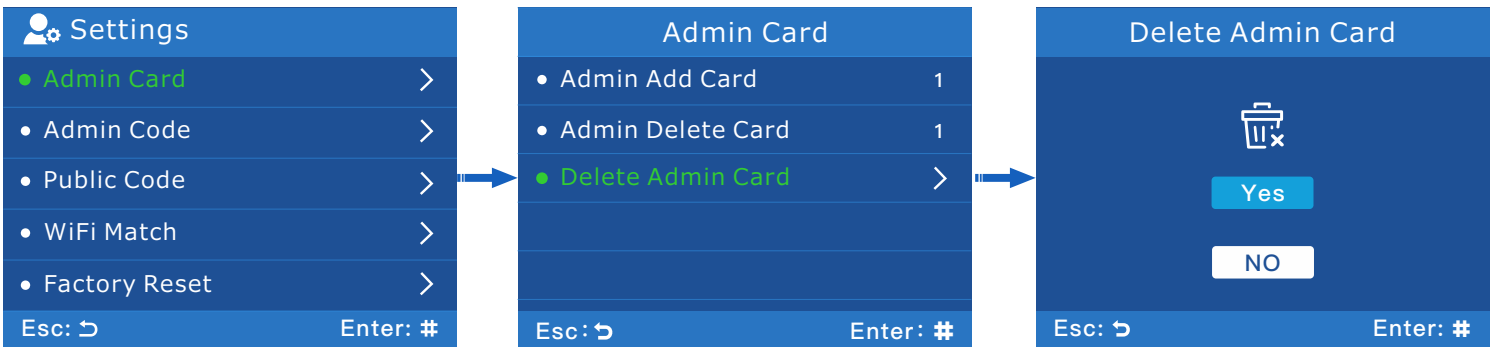The device supports one admin add card and one admin delete card each.
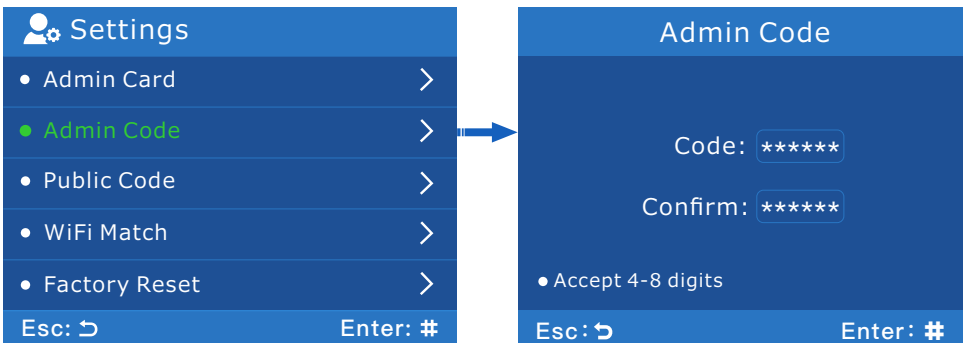
12.1.1 Admin Add Card

Settings	Admin Card	Admin Add Card
● Admin Card ＞	● Admin Add Card 1	
● Admin Code ＞	● Admin Delete Card 1	CARD
● Public Code ＞	● Delete Admin Card ＞	
● WiFi Match ＞		
● Factory Reset ＞		
Esc: ↰ Enter: #	Esc: ↰ Enter: #	Esc: ↰ Enter: #

12.1.2 Admin Delete Card

Settings	Admin Card	Admin Delete Card
● Admin Card ＞	● Admin Add Card 1	
● Admin Code ＞	● Admin Delete Card 1	CARD
● Public Code ＞	● Delete Admin Card ＞	
● WiFi Match ＞		
● Factory Reset ＞		
Esc: ↰ Enter: #	Esc: ↰ Enter: #	Esc: ↰ Enter: #

12.1.3 Delete Admin Card

Settings	Admin Card	Delete Admin Card
● Admin Card ＞	● Admin Add Card 1	
● Admin Code ＞	● Admin Delete Card 1	Yes
● Public Code ＞	● Delete Admin Card ＞	NO
● WiFi Match ＞		
● Factory Reset ＞		
Esc: ↰ Enter: #	Esc: ↰ Enter: #	Esc: ↰ Enter: #

12.2 Admin Code

The default admin code is 123456.

The new admin code can be 4-8 digits.

Settings	Admin Code
● Admin Card ＞	
● Admin Code ＞	Code: ******
● Public Code ＞	Confirm: ******
● WiFi Match ＞	
● Factory Reset ＞	● Accept 4-8 digits
Esc: ↰ Enter: #	Esc: ↰ Enter: #

12.3 Public Code

The device supports one public code which can be used to open the door in any open mode.

👤⚙ Settings	
● Admin Card	❯
● Admin Code	❯
● Public Code	❯
● WiFi Match	❯
● Factory Reset	❯
Esc: ↩	Enter: #

Public Code
🔑
Set
Delete
Esc: ↩   Enter: #

Public Code
Code: ******
Confirm: ******
● Accept 4–8 digits
Esc: ↩   Enter: #

12.4 WiFi Match

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

👤⚙ Settings	
● Admin Card	❯
● Admin Code	❯
● Public Code	❯
● WiFi Match	❯
● Factory Reset	❯
Esc: ↩	Enter: #

WiFi Match
📶
Yes
No
Esc: ↩   Enter: #

12.5 Factory Reset

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

👤⚙ Settings	
● Admin Card	❯
● Admin Code	❯
● Public Code	❯
● WiFi Match	❯
● Factory Reset	❯
Esc: ↩	Enter: #

Factory Reset
↻
Yes
No
Esc: ↩   Enter: #

13. Information

Tap ☰ >Info to enter [Information] interface.

This interface can view the quantity of registered users and device version.

| Info	
● Total Users	7/2500
● Card Users	5/2000
● Code Users	2/500
● Admin Card	1/2
● Version	A04T V1.0
Esc: ⤶	Enter: #

14. Other Functions

14.1 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.
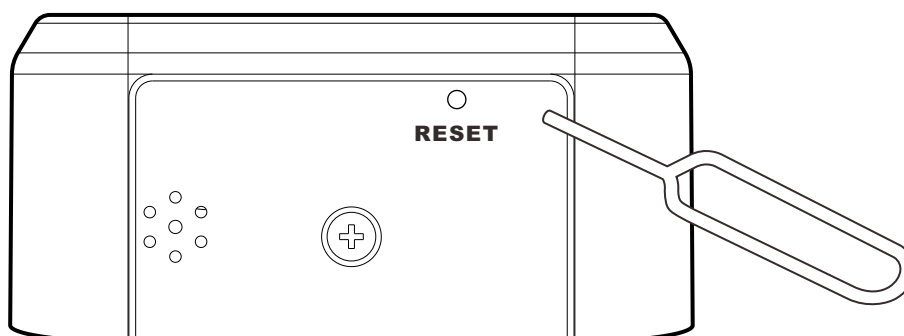
14.2 Tamper Alarm Button

Tamper alarm Button is located at the back of the device.

As 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

Install the device properly, press ☰ to enter main menu interface, **'Anti-Tamper Alarm'** will shown on the interface, choose OFF to close the alarm.

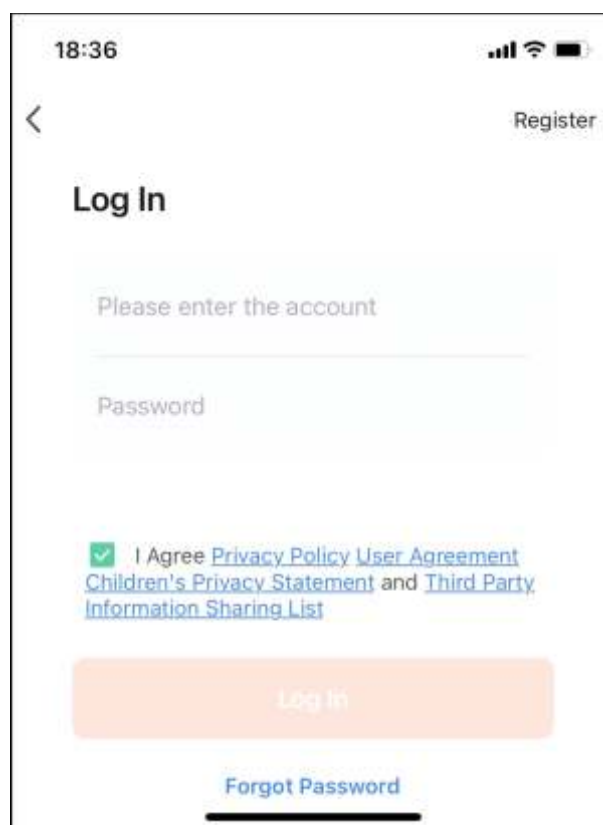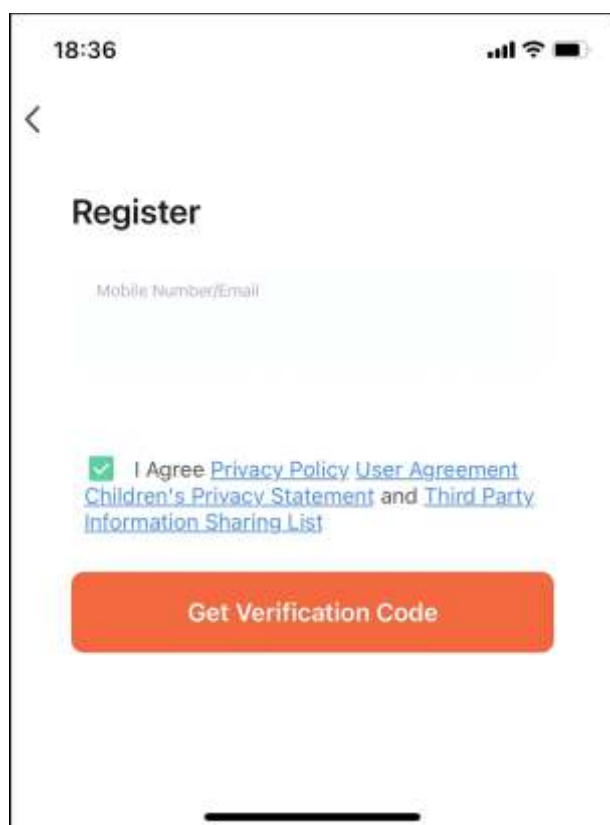## Tuya Smart APP Operation Guide

1. Download Tuya Smart APP

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

APP Store

Tuya Smart 🔍

Search for "Tuya Smart"

iOS

🔍 Tuya Smart Search for
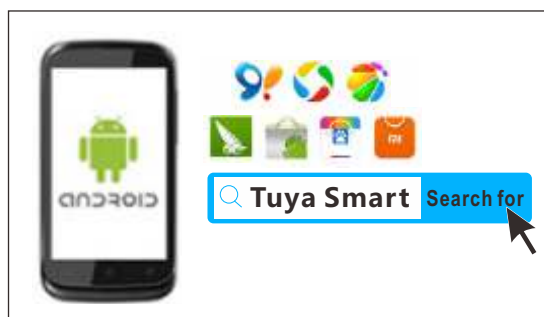
2. Registration and Login

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'.

18:36

‹

Register

Mobile Number/Email

☑ I Agree Privacy Policy User Agreement Children's Privacy Statement and Third Party Information Sharing List

Get Verification Code

18:36

‹   Register

Log In

Please enter the account

Password

☑ I Agree Privacy Policy User Agreement Children's Privacy Statement and Third Party Information Sharing List
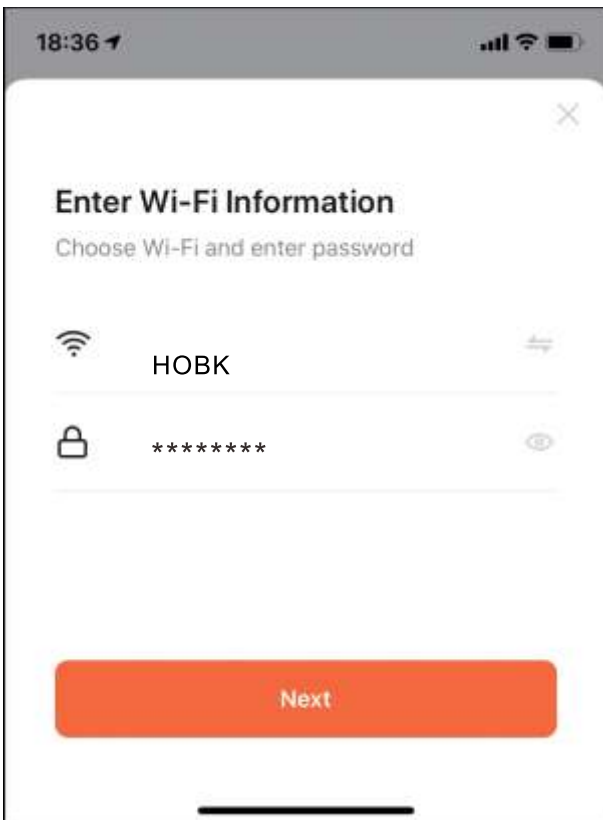
Log In

Forgot Password

3. WiFi Pairing

Step 1. Tap WiFi Match>Yes on the HBK-A04T to enter pairing mode, it will take 30-180 seconds.
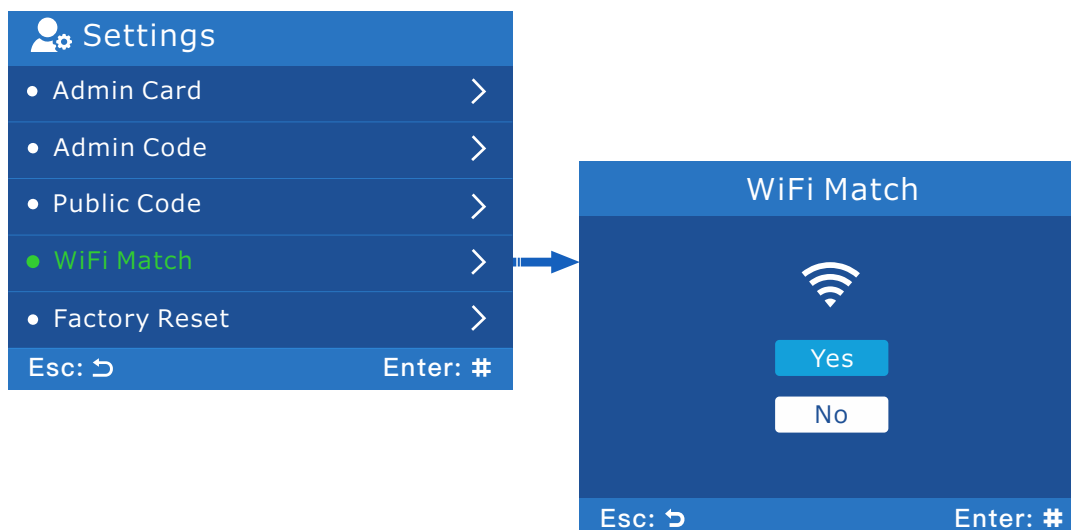
Step 2. Tap 'Add Device' on the home page of Tuya app followed by tap 'Add' to enter Wi-Fi information.
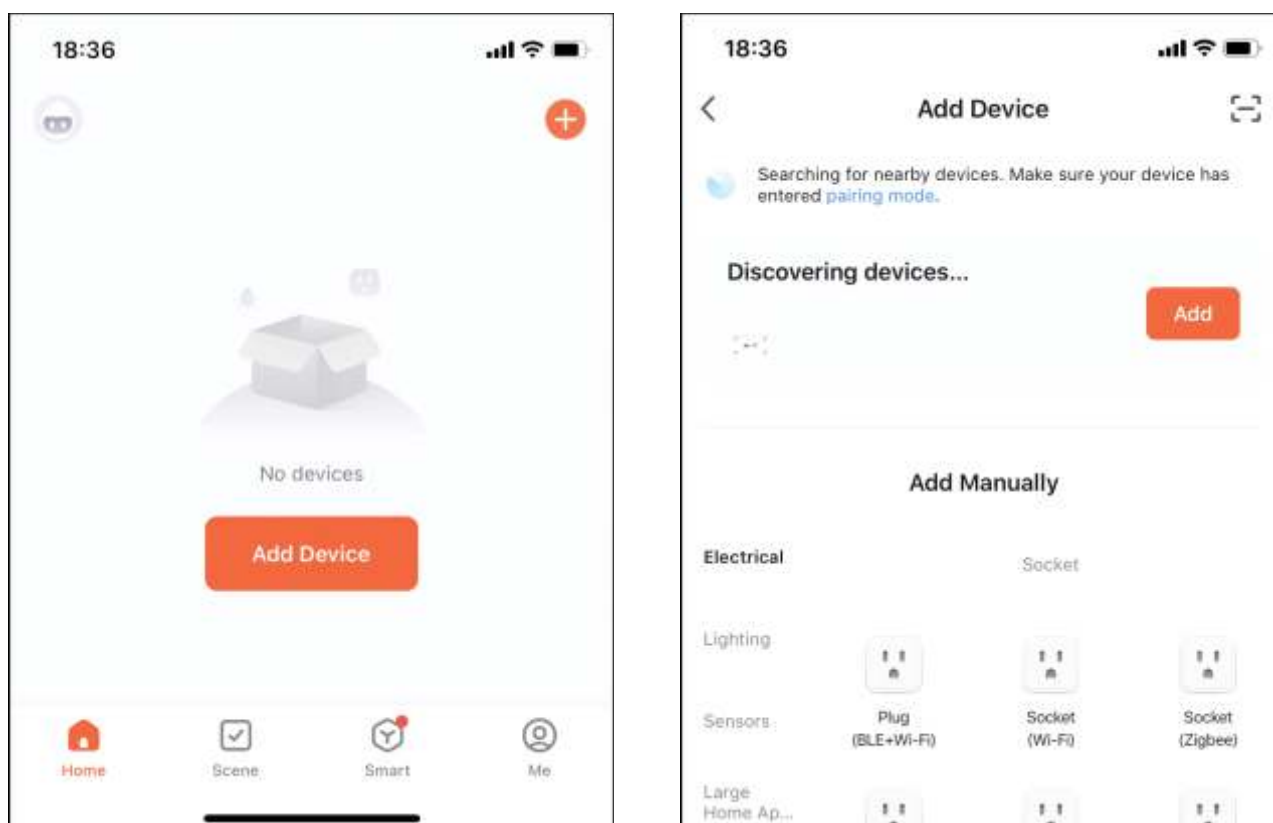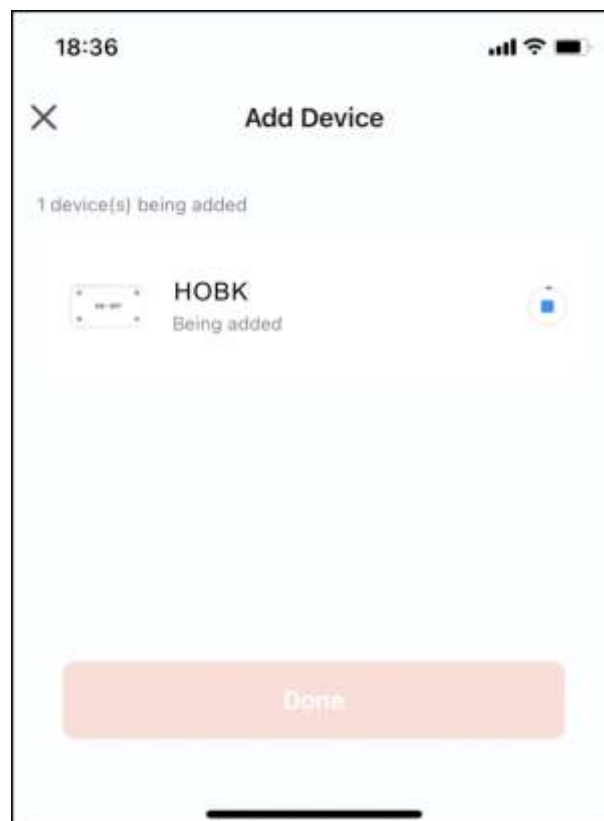
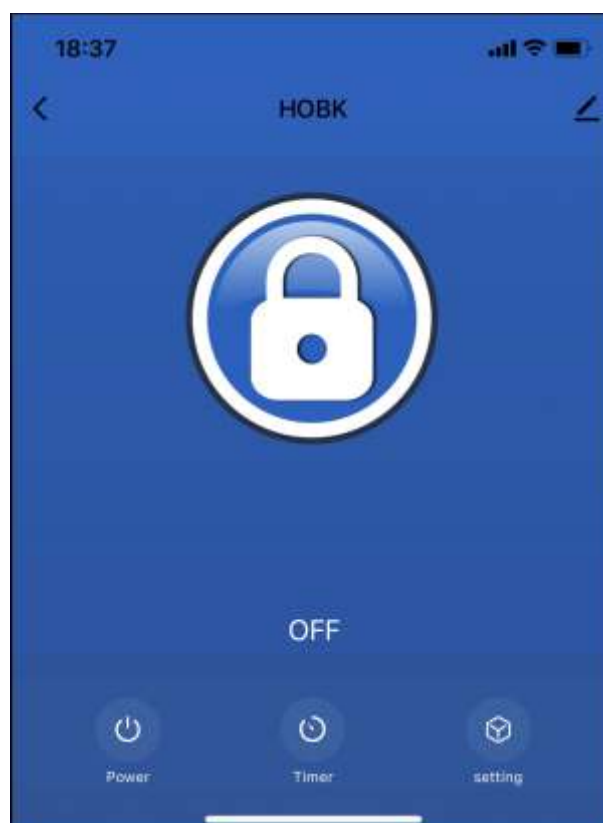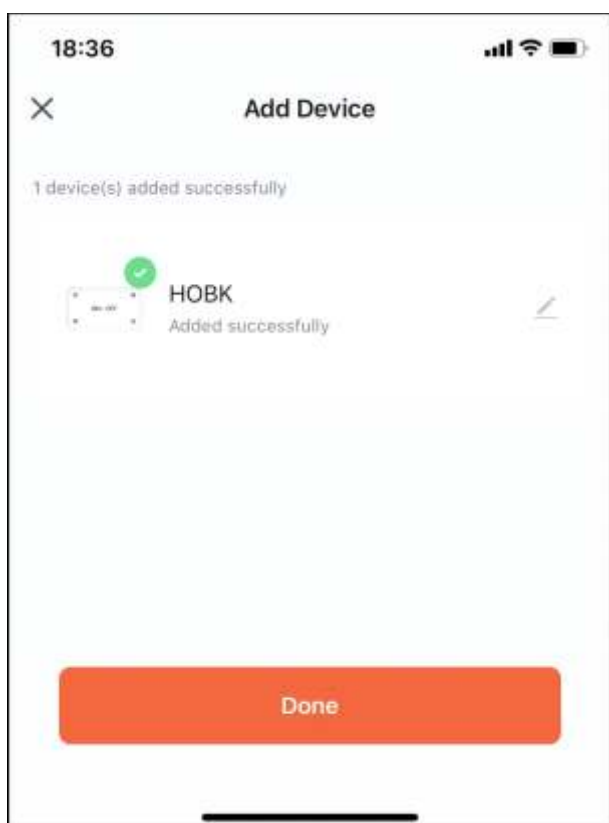**Step 3.** Choose Wi-Fi and enter password.

The Wi-Fi must be the same as the phone connecting, 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 connected to the HBK-A04T.

Step 5. Name the added device.

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 pro-tection 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 deter mined 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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