

## 1.Product Parameters

| Item                          | Technical Parameters                                                                                                   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Working voltage               | 6.0V                                                                                                                   |
| Emergency power supply        | 5V Micro USB                                                                                                           |
| Low pressure alarm            | <4.8V (error $\pm 0.1V$ )                                                                                              |
| Fingerprint comparison time   | <1 s                                                                                                                   |
| Fingerprint rejection rate    | 5%                                                                                                                     |
| Fingerprint recognition rate  | <0.0001%                                                                                                               |
| Finger usage angle            | 360°                                                                                                                   |
| Fingerprint capacity          | A total of 300 users,<br>with a maximum of 100 fingerprint users                                                       |
| Code capacity                 |                                                                                                                        |
| IC card capacity              |                                                                                                                        |
| Record capacity               |                                                                                                                        |
| Password function             | The valid password length is 6-8 digits, and supports up to 20 digits of dotted passwords                              |
| Sleep current                 | Average current<60uA, condition: temperature 25 °C                                                                     |
| Dynamic current               | Average current<90mA,<br>Condition: No sound played, no motor action, cat's eye camera and display screen not working  |
| Static electricity capability | Contact discharge: $\pm 8KV$<br>Air discharge: $\pm 15KV$<br>Test conditions: Install into the entire lock for testing |
| Working humidity              | 20%RH-90%RH                                                                                                            |
| Working temperature           | -25°C~70°C                                                                                                             |
| Storage temperature           | -25°C~70°C                                                                                                             |
| Storage humidity              | 10%RH-95%RH                                                                                                            |

## 2.Operation Guide

### 2.1 Factory reset

First time use, please Factory reset first.

Long press the "Factory reset" button, and a beep will sound every 1 second. After 5 seconds, a prompt will appear saying "Factory reset, press the # button to confirm". At this time, press the # button to confirm that the factory reset have been restored successfully, and the voice will prompt "Successful initialization"

### 2.2 Experience mode

In the factory state, entering any fingerprint, sensor card, or default factory password (123456) can verify unlocking. After successfully unlocking, the voice prompt will be "unlocked, demonstration mode, please register as a user".

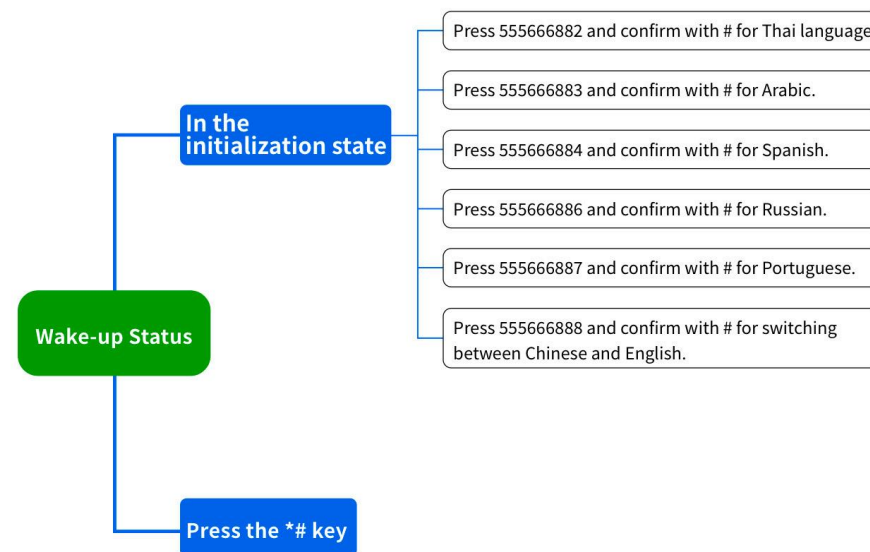
## 3.Door lock menu

Support entering the menu through the following methods:

1. Short press the door setting button once
2. Button "\*" #"

### 1. Function menu:

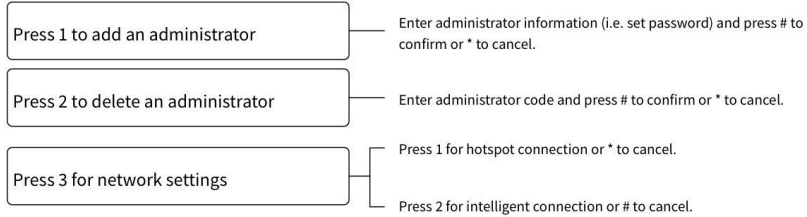
Play the voice: "For administrator settings, press 1. For user settings, press 2. For system settings, press 3. For factory settings, press 4. For information queries, press 5".



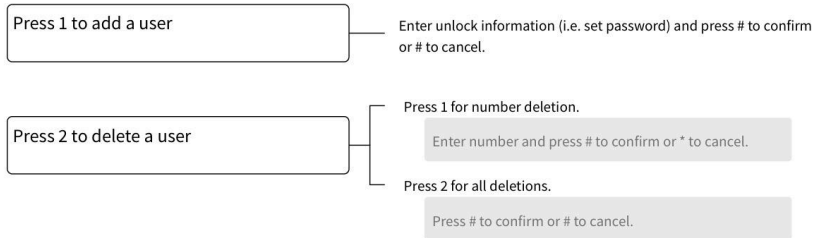
Press the \*# key

Please enter the administrator information  
(i.e. default password 123456) and press # to confirm

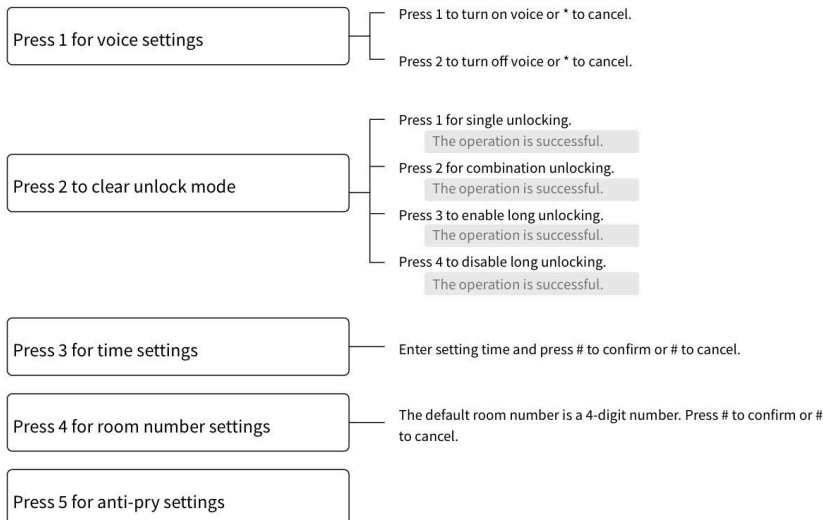
#### Press 1 for administrator settings



#### Press 2 for user settings



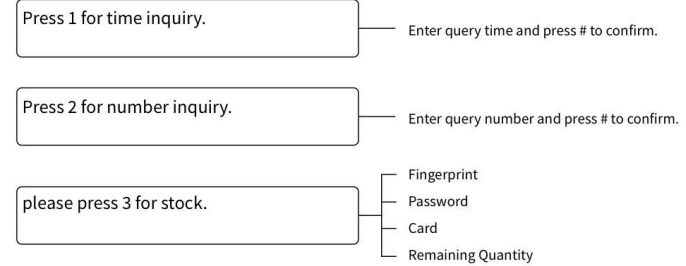
#### Press 3 for system settings



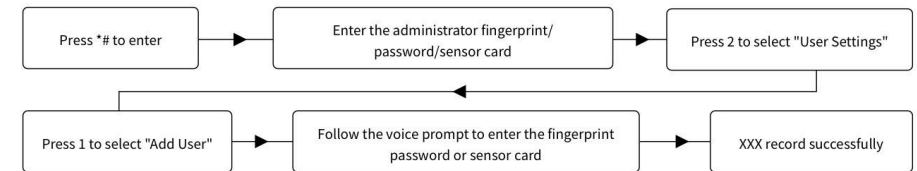
#### Press 4 to restore to factory settings

Press # to confirm for restoring to factory settings.

#### Press 5 for information inquiry



### 3.1 Add regular users



#### Fingerprint:

To add a fingerprint, press it 5 times and the fingerprint cannot be entered repeatedly.

When registering, each press should lift the finger and press different parts of the same finger for better verification of unlocking.

If the fingerprint is full, play the voice "alarm sound"+"stock is full".

#### Password:

If the passwords entered twice do not match, play the voice: "alarm sound".

The registration password is 6-8 digits, less than 6 digits, pressing the # key is invalid.

If the password you entered has already been registered, play the voice: "alarm sound"+"duplicate information".

If the password is full, the voice will play "password stock is full".

Induction card:

If the induction card has already been registered, play the voice: "alarm sound"+"duplicate information".

If the induction card is full, voice playback will show "Card stock is full"

If the user is fully registered, voice play "stock is full".

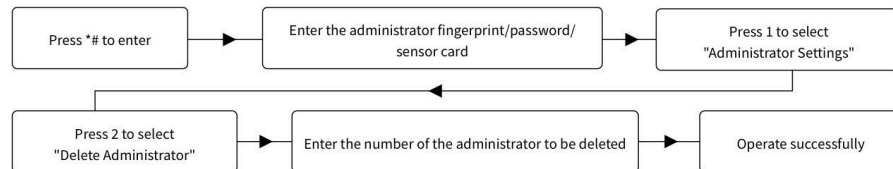
### 3.2 Add an administrator

The process of adding an administrator is consistent with the process of adding a regular user.

If 9 administrators have been added, the voice playback will have a "margin of 0"

### 3.3 Delete administrator user

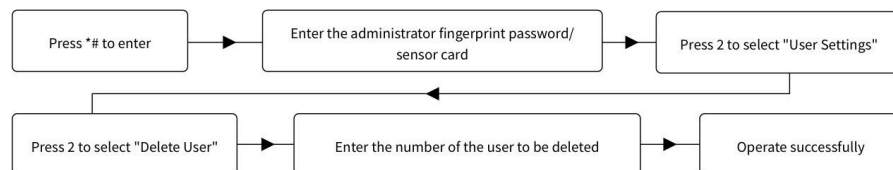
#### 3.3.1 Delete by number



Note: The administrator user currently validated in the menu cannot be deleted

### 3.4 Delete regular users

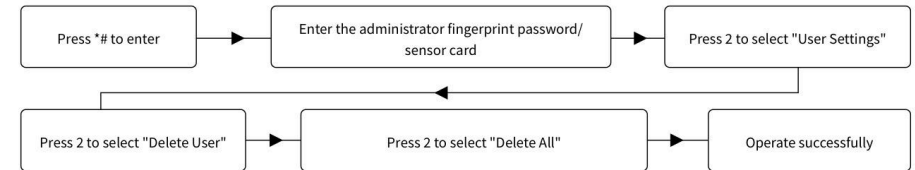
#### 3.4.1 Delete by number



If there are no regular users, play the voice: "Stock 0"

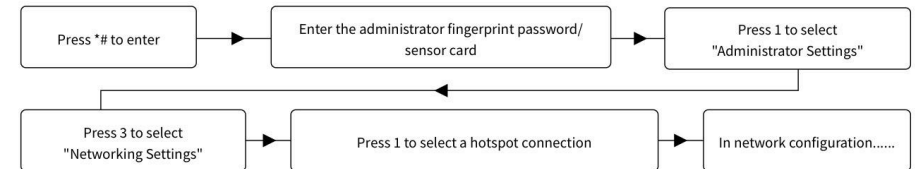
If the number is not registered, play the voice: "Alarm sound"+"Operation failed"

### 3.4.2 Delete all

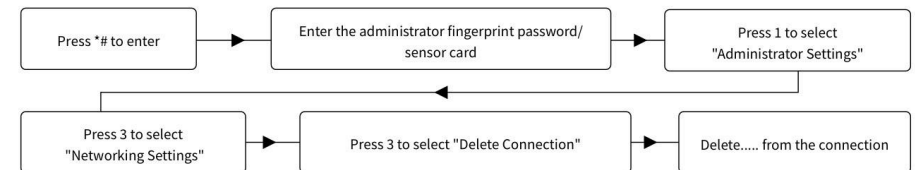


### 3.5 Networking settings

#### 1. Add network



#### 2. Delete network



Lock end operation steps:

Enter the settings menu, press "1" to enter administrator settings, press "3" to enter networking settings, press "1" to enter hotspot connection,

APP operation steps:

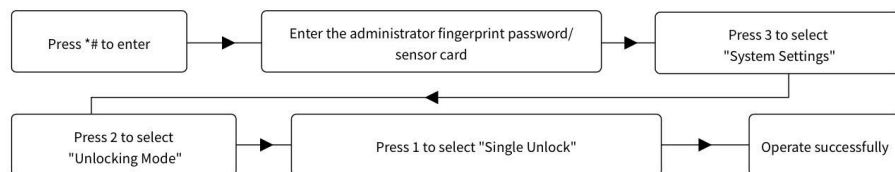
Please refer to the user manual for the APP selected by the customer.

### 3.6 System settings

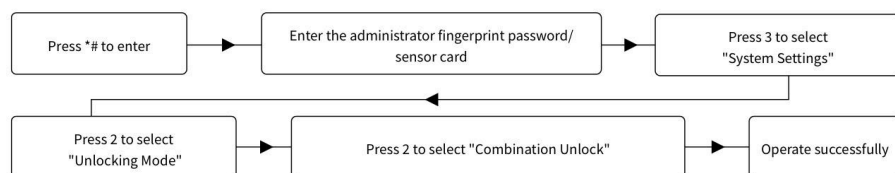
#### 3.6.1 Unlock mode

Play the voice: "1. Single unlock, 2. Combination unlock"

### 1.Single unlock



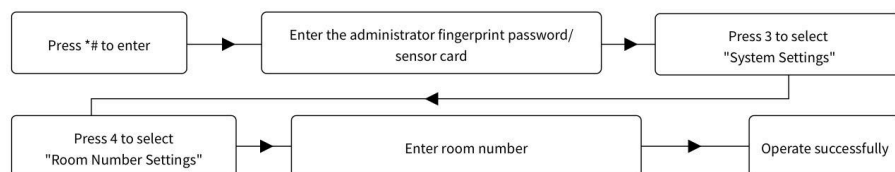
### 2.Combination unlock



If in initialization state, play voice: "alarm sound"+"operation failure"+"stock 0"

If the number of users is less than 1 group, play the voice: "alarm sound"+"operation failure"+"stock 1"

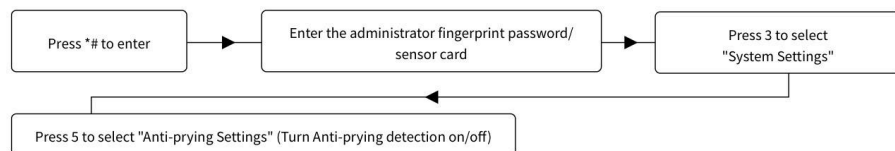
### 3.6.2 Room number setting



Enter the room number setting menu and play the voice "Room number XXXX, please modify"

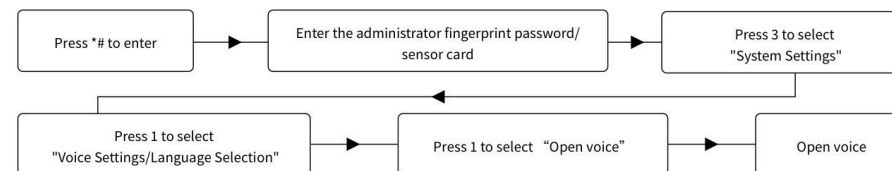
Note: The default room number is 8888, with a setting range of 0-9999. If the room number is entered with 4 digits, it will be reset to the factory settings

### 3.6.3 Anti prying settings

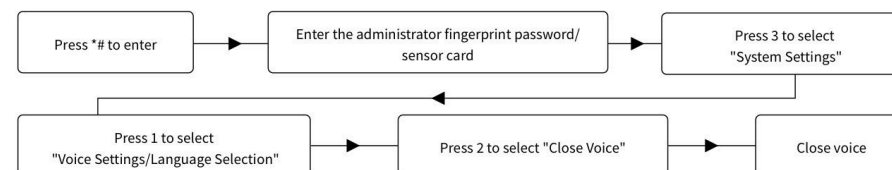


### 3.6.4 Voice settings

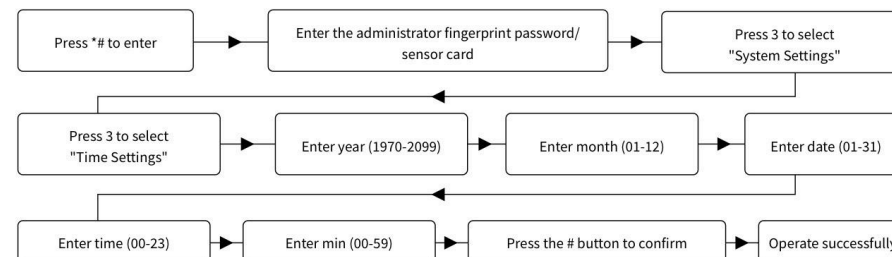
#### 1. Open voice



#### 2. Turn off voice

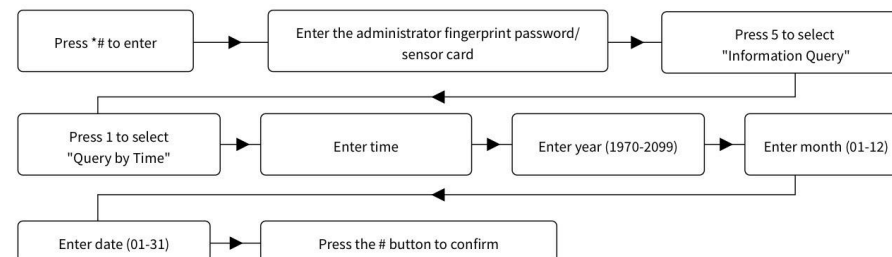


### 3.6.5 Time setting



### 3.6.6 Information query

#### 1.Query by time



If recorded as 0, play the voice: "alarm sound"+"operation failed"

Example 1: Add administrator 001, play voice: "5 logs, add administrator, administrator 001"

Example 2: Administrator 001 enters the menu and plays the voice message: "5 logs, Administrator 001, Administrator Settings"

Example 3: Administrator 001 unlocks and plays the voice "5 logs, Administrator 001 unlocks"

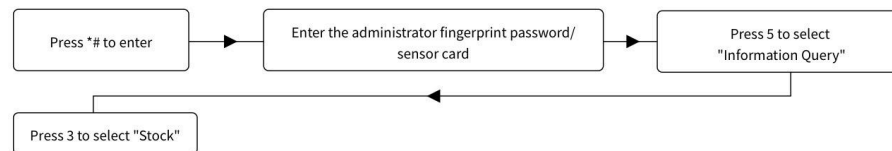
Example 4: Combination unlocking of 001 and 010, playing voice "5 logs, administrator 001, user 010, unlock"

Note: Press 2 to page up, press 8 to page down

## 2. Search by number

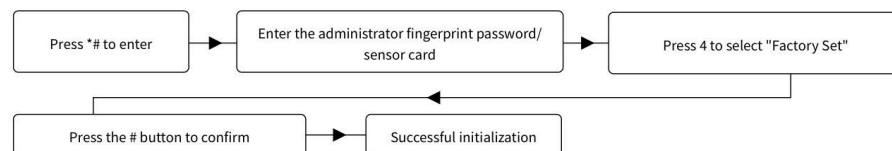
If the record is 0, play the voice "alarm sound"+"operation failure", and other voice plays such as "query by time"

## 3. Stock inquiry



Play the voice message "Fingerprint XXX Password XXX Card XXX, Remaining XXX"

## 3.7 Factory reset sttting



## 4.Unlock operation

### 4.1 Unlock outside the door

The user's fingerprint and password sensor card have been successfully verified, and the motor is turning forward to unlock.

After successfully unlocking, the voice prompt will be "unlocked".

Attention:

1.Please keep the sensor card safe to prevent it from being copied.

2.Please check if there are any foreign objects on the surface of the fingerprint sensor to prevent fingerprint data from being tampered with.

## 5.Doorbell function

Press the "doorbell" button on the door lock to sound a "ding-dong..." doorbell. If connected to the network, the message "requesting remote unlocking" will be played after the doorbell.

## 6.Test opening the freezing function

When the number of consecutive errors in fingerprints, passwords, and sensing cards within 5 minutes is  $\geq 3$ , an audible and visual alarm will be issued; When the number of consecutive errors within 5 minutes is  $\geq 5$  times, the system freezes for 90 seconds and cannot recognize fingerprints, passwords, or sensing cards for another 90 seconds.

## 7.Battery level detection

When the battery voltage is below 4.8V, the system will prompt "Low battery, please replace the battery" every time the user wakes up.

When the voltage is below 4.2V, the wake-up system voice prompts "Low battery, please replace the battery, the system is locked", and cannot perform fingerprint, password, or sensor card door opening actions.

Attention: If the battery is low, please charge it in a timely manner to avoid shutting down after running out of battery.

## 8.Anti prying alarm

When the anti prying alarm is triggered and continues for 60 seconds, the user cannot operate the keyboard. The alarm status can be lifted by registering the user card or fingerprint.

## 9.Emergency power supply

When the battery is depleted and there is no key, an external power supply can be connected and the door can be opened according to the normal operating procedures.

Attention:

1. Please charge the emergency power promptly after opening the door;
- 2.It is recommended to use a power bank or charger with an output current of 2A or above for external power supply.

## 10.Some shortcut keys

◆ Quick key settings for turning on or off the anti pry alarm function,

① "4+#+Administrator verification" (fingerprint password or card) can turn on or off the anti pry alarm function.

② When an anti-prying alarm occurs, the entered fingerprint or card can be used to clear the alarm or wait for the 60S system to automatically clear it.

◆ Time query shortcut key, 0+5+# broadcasts the current system time.

◆ Version number query shortcut key, 0+# broadcasts the current system version number.

◆ Room number query shortcut key, 0+1+# broadcast system room number.

◆ (In the initial state)

555666882, press # to confirm Thai.

555666883, press # to confirm Arabic.

555666884, press # to confirm Spanish.

555666886, press # to confirm Russian.

555666887, press # to confirm Portuguese.

555666888, press # to confirm switching between Chinese and English.

## 11.APP networking operation instructions

Networking Instructions (Hot Distribution Network&Intelligent Distribution Network)

11.1. Download the app: Doodle Smart. Open the Doodle Smart and click on "Add Device" or "+" in the upper right corner

11.2. On the Add Device page, in the Camera/Lock menu, click on "Door Lock (Wi Fi)"

11.3. Ensure that the phone is connected to WiFi and the WiFi is 2.4GHz. Click Next.

11.4. Then click on the door lock to enter the distribution network status. Click on confirm and proceed to the next step on the Doodle Smart APP.

11.5. Wait for the successful distribution network.

## 12.Revision History

| Version | Date       | Revise content                          |
|---------|------------|-----------------------------------------|
| V1.0    | 2022-10-13 | First version release                   |
| V1.1    | 2022-10-15 | Password registration digit description |

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.

Important: Change or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

The devices has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction