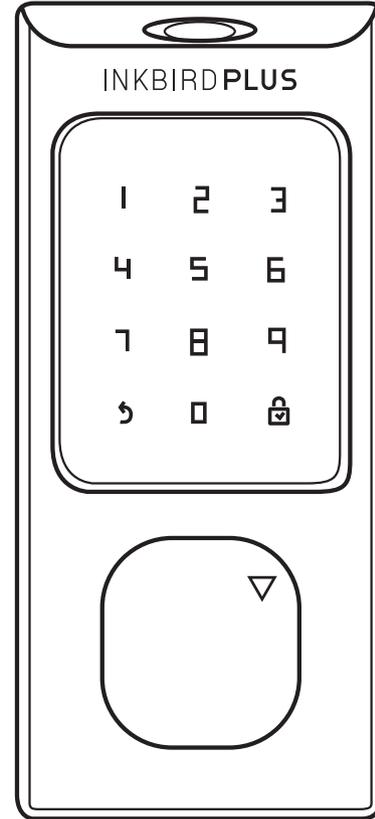


INKBIRD PLUS

INKBIRD PLUS BLUETOOTH SMART DOOR LOCK

U S E R M A N U A L

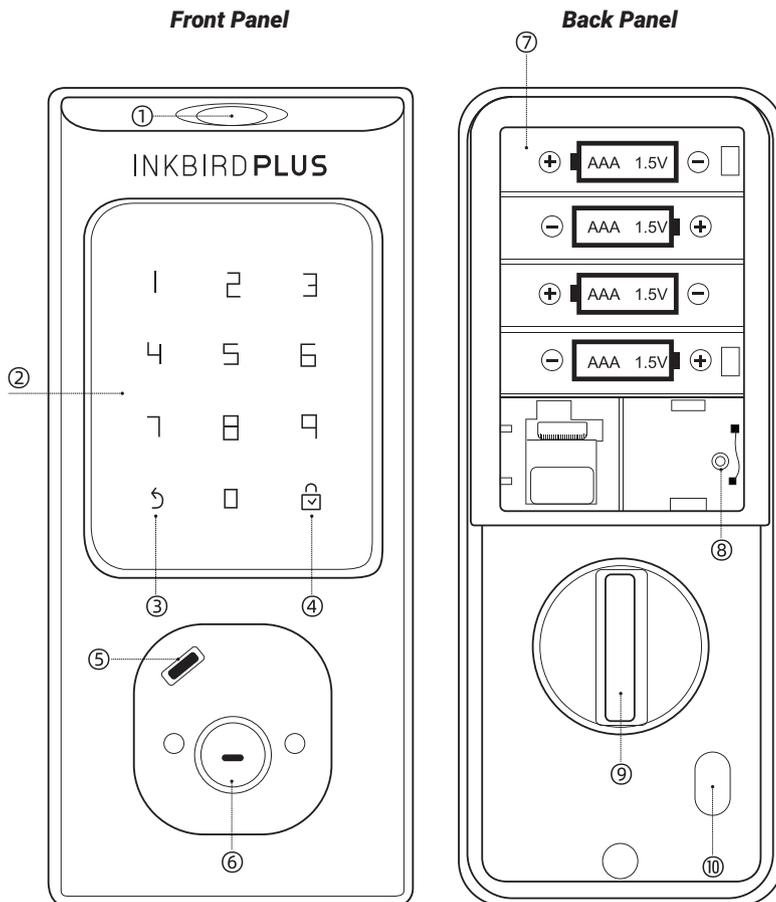


CONTENTS

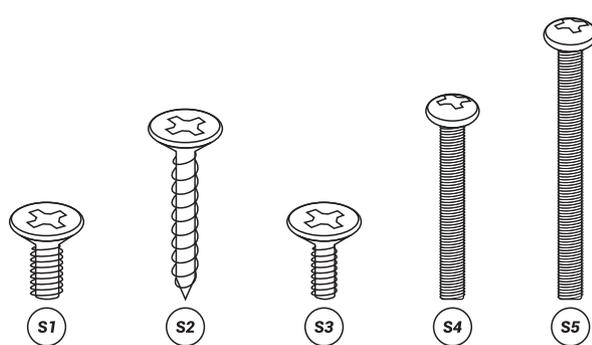
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Product Introduction

- ① Fingerprint Sensor
- ② Keyboard/Card Sensor
- ③ Close/Return/Doorbell
- ④ Confirm
- ⑤ Type-C USB Port
- ⑥ Keyhole
- ⑦ Battery Groove
- ⑧ Reset Button
- ⑨ Thumb Turn:Manually ON/OFF
- ⑩ Quick Open/Close



Screws



F: Wood Screw Set

S1: M5X10mm 4x

S2: M4X20mm 4x

M: Short & Pan Head Screw Set

S3: M4X10mm 1x

S4: M4X25mm 3x

(35mm<door thickness<45mm)

J: Long Screw Set

S5: M4X35mm 2x

(45mm<door thickness<55mm)

L: Spare Screw Set

S1: M5X10mm 2x

S2: M4X20mm 2x

S3: M4X10mm 1x

S4: M4X25mm 2x

S5 :M4X35mm 2x

Installation Manual

Note: Install and test the lock with the door open to avoid being locked out.

Scan to Download the Manual



Smart Door Lock

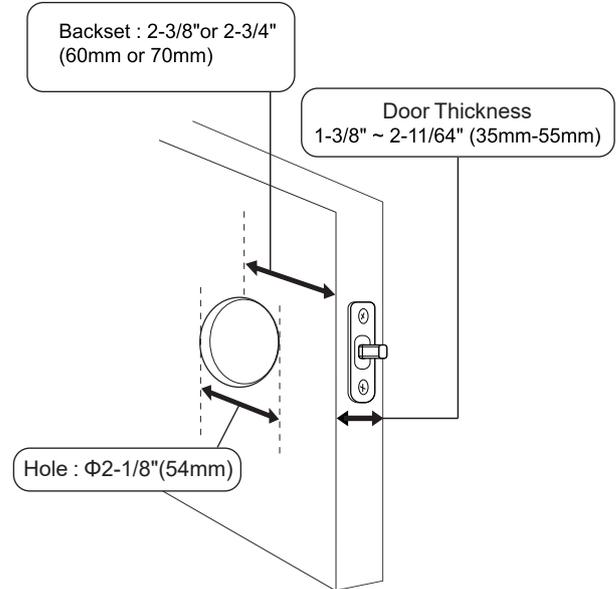
Tools Needed

Screwdriver; Tape Measure; Pencil; Other Chiseling Tools; Size Reference Card.

1. Check Door Dimensions

1) Backset Determination

Backset is a distance from door edge to center of hole on door face. Backset can be 2-3/8" or 2-3/4" (60mm or 70mm).



2) Hole Diameter

Using the marks as guide to drill holes

$\Phi 3/8"$ (10mm) Fasten Smart door lock (Optional)

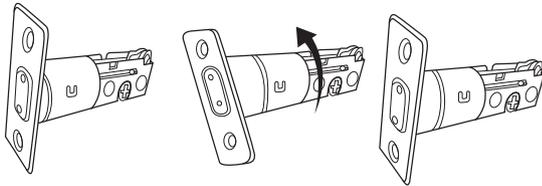
Hole : $\Phi 2-1/8"$ (54mm)

3) Door Thickness

The door thickness between 1-3/8" and 2- 11/64" (35mm-55mm) are all suitable for the keypad deadbolt handle set.

2. Installation Steps

1) Adjust Latch Length

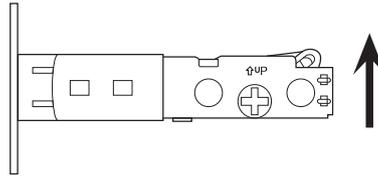


Note: When performing this operation, please take protective measures and be careful of the metal edge not to injure yourself. Hold the right part of the lock tongue with your right hand and turn the left iron piece counterclockwise (about 15 degrees) with your left hand.

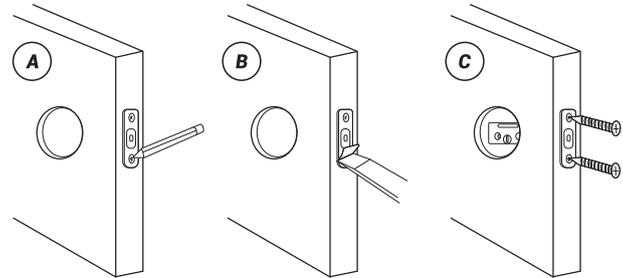
When the rectangular position of the 2-3/8" (60mm) tick mark changes from convex to concave (as shown), slowly extend the locking latch, and then turn clockwise the inside of the locking latch back to the rectangular position of 2-3/4" (70mm) scale.

2) Install Latch

Note: Need to keep this way up when inserting the latch.



Insert the latch and ensure it is parallel to the door face.

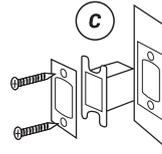
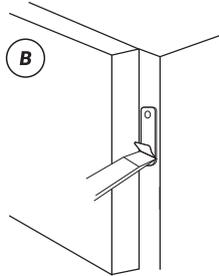
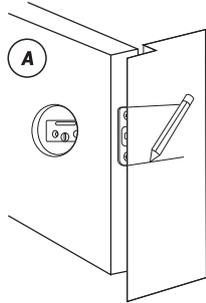


A. Mark the outline of the plate, then take out the latch.

B. Chisel 1mm-2mm deep along the outline to allow the plate to be aligned with the door edge.

C. Insert the latch into the door, use 2 F : Wood Screw Set to secure latch.

3) Install Strike Plate



A. Identify the center of the plate: Close the door to lay the latch bolt against the door frame. Mark the outline of the plate onto the doorjamb.

B. Drill 25mm deep at the intersection of the horizontal and vertical lines of the plate. Chisel 1mm-2mm deep along the strike plate outline to allow the strike plate to be aligned with the door frame.

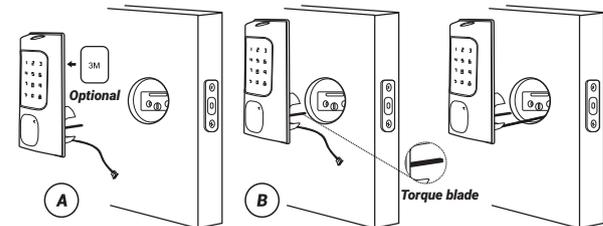
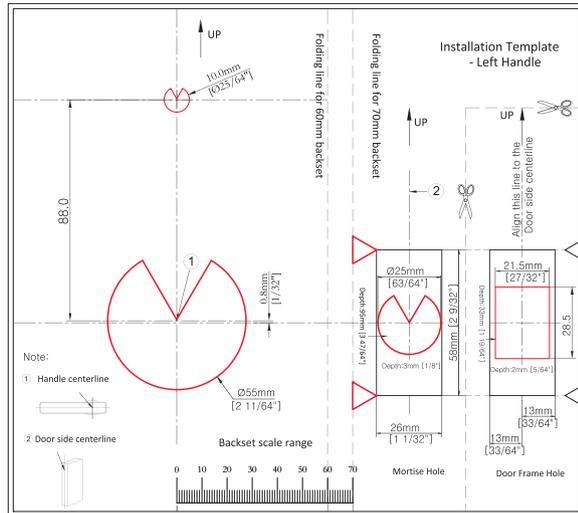
C. Insert the plastic lock groove and the strike plate into the doorjamb and tighten with F :Wood Screw Set.

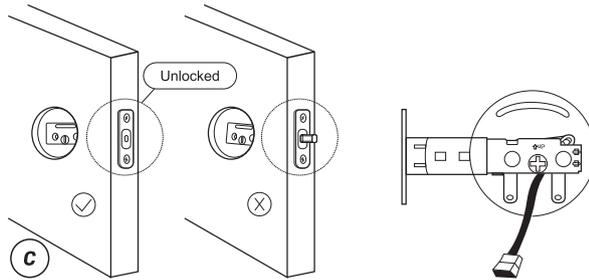
4) Install Front Panel

A. If you want to secure the door lock, please stick the 3M stickers on the front panel. (Optional)

B. Let the cable and the [torque blade] go through the holes on the latch, as in the picture.

C. **IMPORTANT:** Latch must be in unlock position, and place the cable under the latch. Make sure the [torque blade] is in horizontal state.



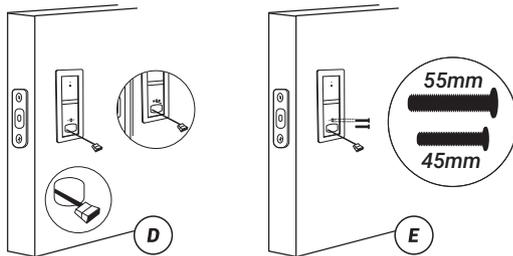


D.Pass the Cable and the [torque blade] to mounting plate as in the picture.

E.Use the 2 long screws to attach the mounting plate to the front panel.

Notes:

The long screw set has two sizes of screws, one for door thickness 1-3/4" (45mm) M Long & Short Screw Set and the longest screws fit for 2. 17" (55mm) JLong Screw Set .

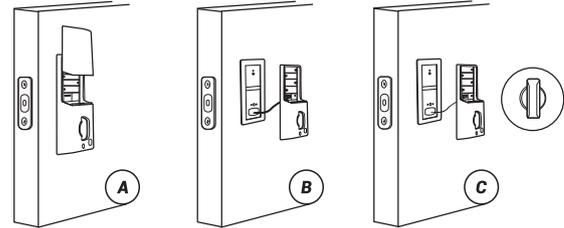


5) Install Back Panel

A.Remove the battery cover and back cover (use the sharp object to push the back cover up first)

B.Connect the cable and ensure a tight cable connection.

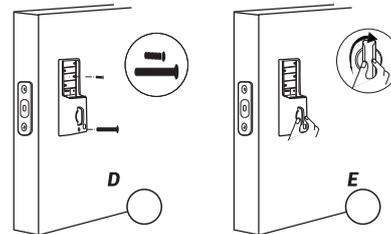
C.Rotate the Thumb turn in a vertical position and insert the [torque blade] into the interior assembly lock switch.



D.Use a short screw to tighten the inner battery groove on the back panel, then use a long screw to attach the back panel to the door M: Long & Short Screw Set.

E.After installing the back panel, rotate the thumb turn to test if it works with the latch.

If that doesn't work, take out the back panel and make sure the [torque blade] is in horizontal state and try to install it again until it works with the latch.



6) Insert Battery and Install Back Battery Cover

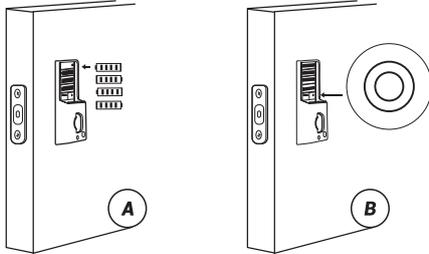
A. While the door is open and unlocked, insert 4 (AA) 1.5V Alkaline batteries into the back panel.

B. Press and hold the reset button on the back panel.

C. Keep holding the reset button until you hear "Factory reset successfully".

The lock will automatically go into the locked position. This is to let the smart lock memorize the orientation of the door.

D. If the door ca



Notes:

A. Alkaline batteries are recommended to stabilize the power supply. If you don't use alkaline, battery performance will be reduced greatly.

B. All settings will be saved even if all batteries are completely discharged. Having a Type-C USB port can power the lock and activate the keyboard.

APP Operation

Preparations

1) Complete the hardware installation.

2) Install 4 AAA batteries.

(After the first hardware installation, be sure to restore the factory settings) Press and hold the reset button in the lower right corner of the battery compartment for 5 seconds.

Note:

Wave up the keyboard, please touch and hold the keyboard for 2 seconds.

If the unlock fails 10 times, the system will automatically lock for 3 minutes.

1. Download and Install the INKBIRD App

1) Search "INKBIRD" in App store or Google Play, or scan the following QR code to download and install the APP, or update it to the latest version.



Scan QR code to download
INKBIRD APP

Note:

1. Your iOS devices must be running iOS 11 or above to download the app smoothly.

2. Your Android devices must be running Android 7.1 or above to download the app smoothly.

2) Registration

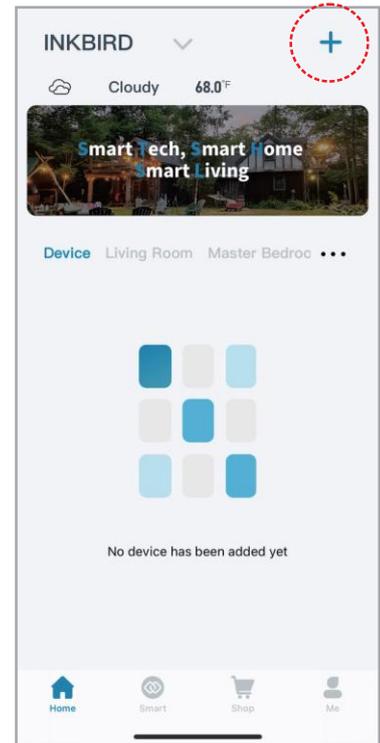
- Open the app, select your Country/Region, enter your email address, and a verification code will be sent to you.
- Enter the verification code to confirm your identity, and the registration is complete.
- Registering an account is necessary before using the INKBIRD app for the first time.

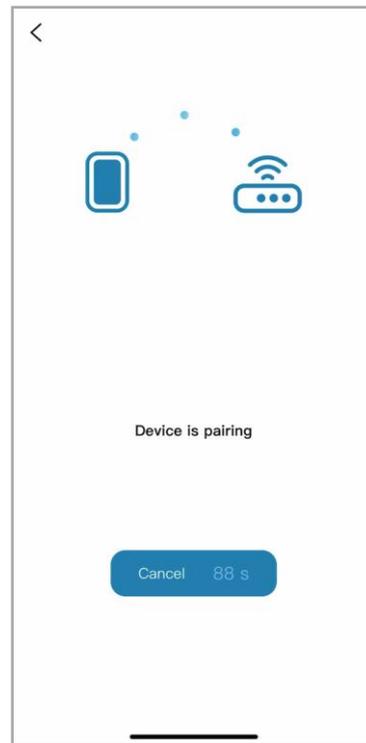
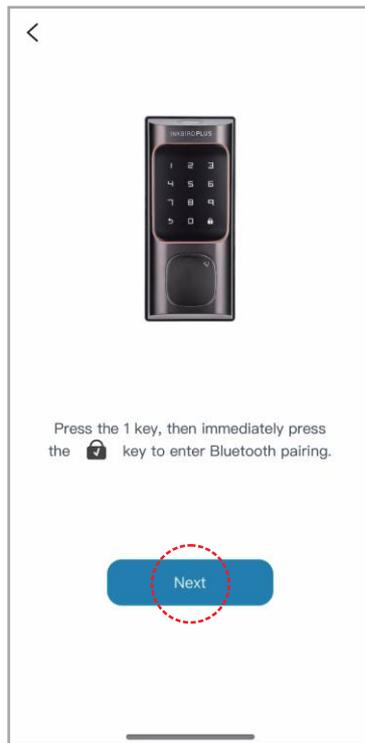
2.How to Connect to INKBIRD App

Step1: Turn on the Bluetooth and location on your smartphone.

Step2: Open the app and click the "+" in the upper right corner to add the device.

Step3: Wake the lock, press "1" and then "🔗" to enter Bluetooth pairing. (Operation timeout: 60 seconds)





3.How to Add Fingerprints, Passwords, and IC Cards

Notes:

- a) **Fingerprint, passwords, and IC cards can all be administrators.**
- b) **When entering a password or card in the app, if there is no fingerprint, password, or card at the lock end, the password or card must be under administration authority.**

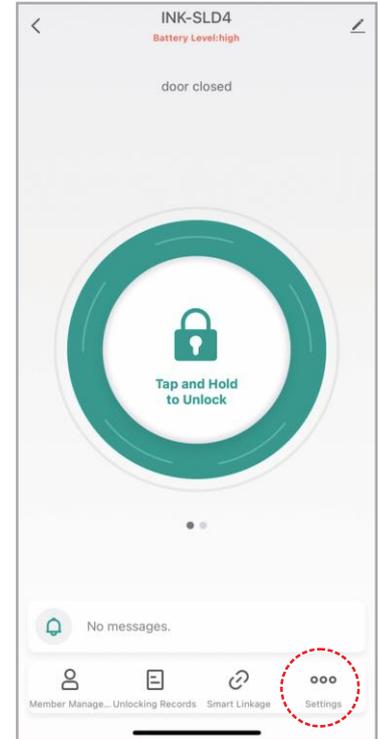
1) How to Add Fingerprints

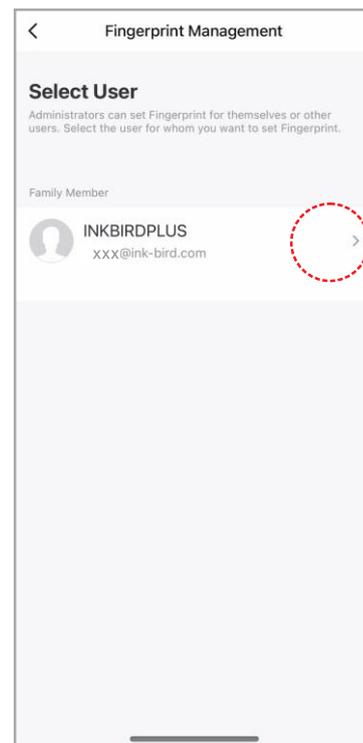
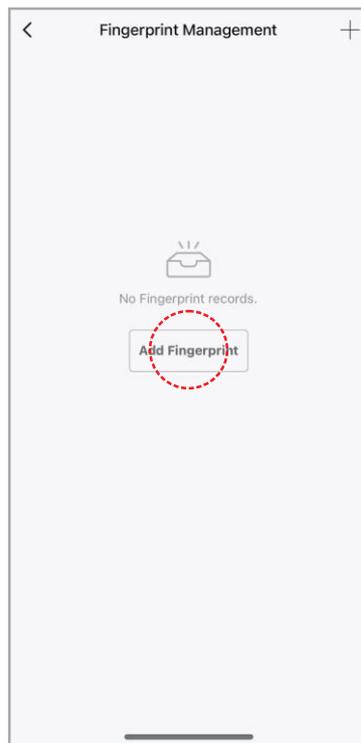
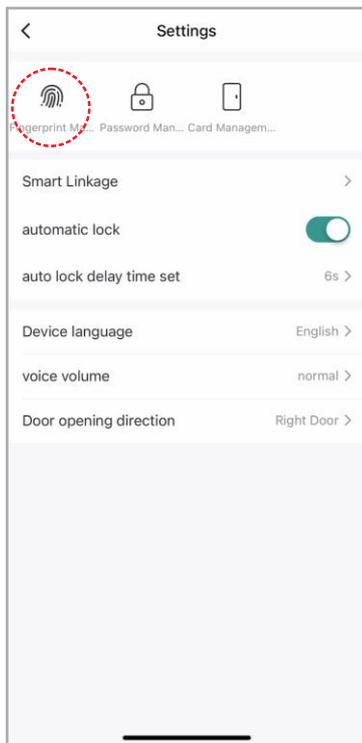
Step1: Go to settings to enter fingerprint management, then click "Add Fingerprints" to choose a member to capture his fingerprint.

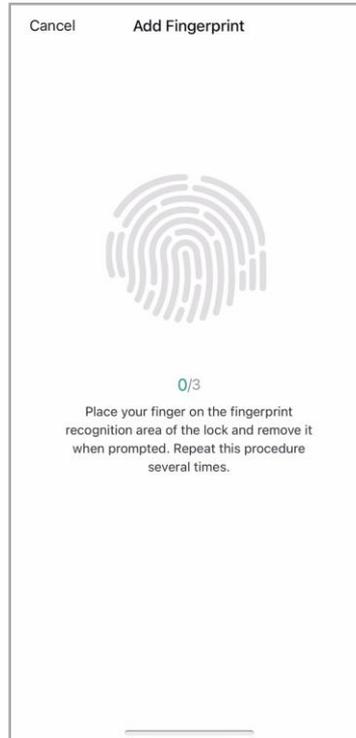
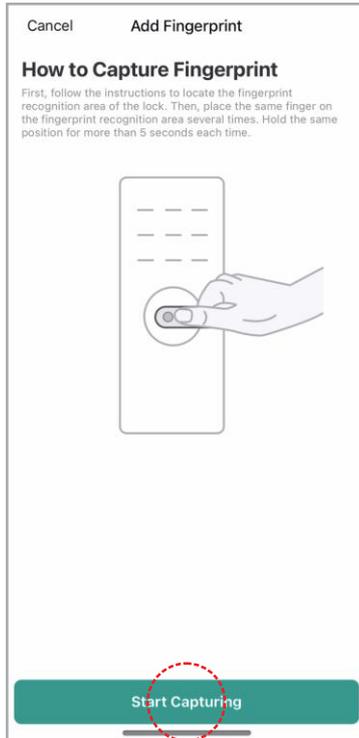
Step2: Click "Start Capturing" and put your finger on the fingerprint recognition area of the lock and hold for more than 5 seconds as prompted by the app. Each fingerprint needs to be collected three times. For the integrity of the fingerprint, a different part of the fingerprint should be captured each time.

Note that the first fingerprint of the administrator cannot be deleted.

All fingerprints under administrator authority can be used to verify administrator identity.



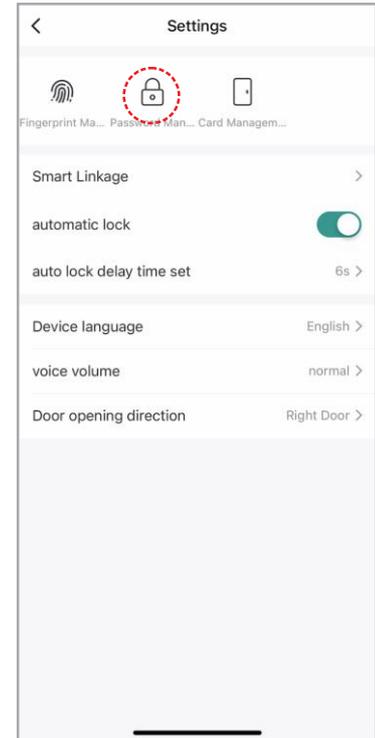


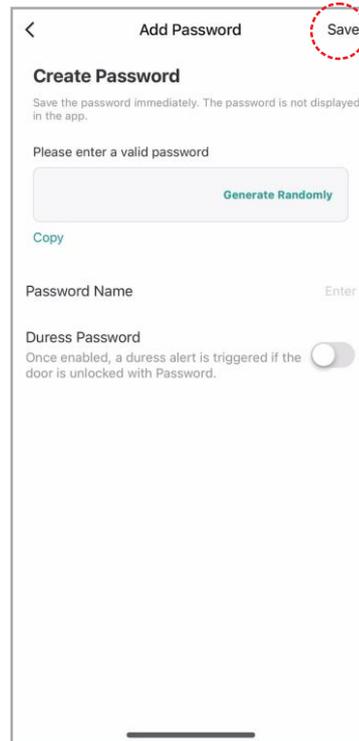
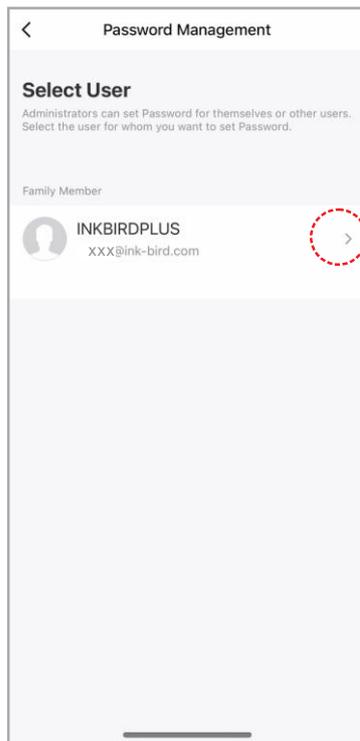
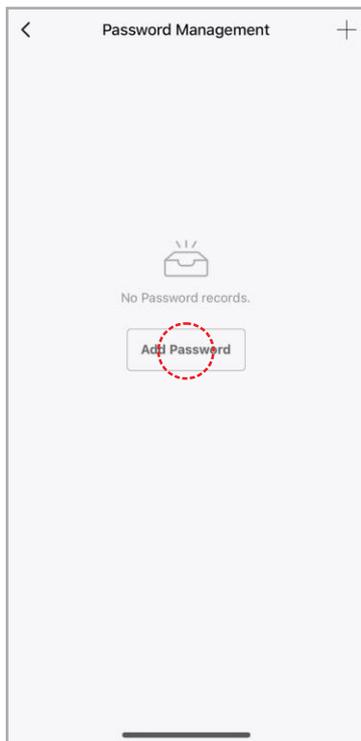


2) How to Add Passwords

Step1: Go to settings to enter password management, then click "Add Password" to choose a member.

Step2: Enter a 6-digit password or generate a random password, then enter the password name and save.



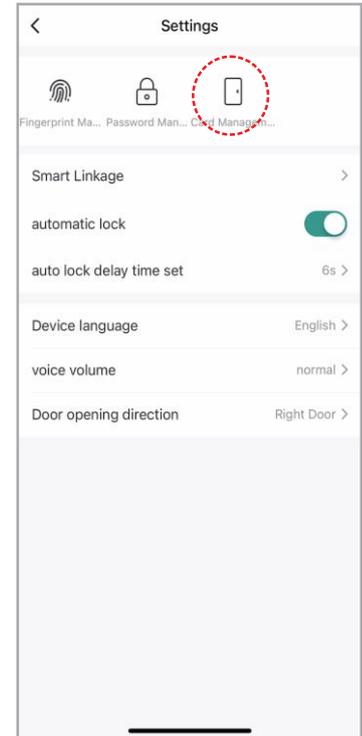


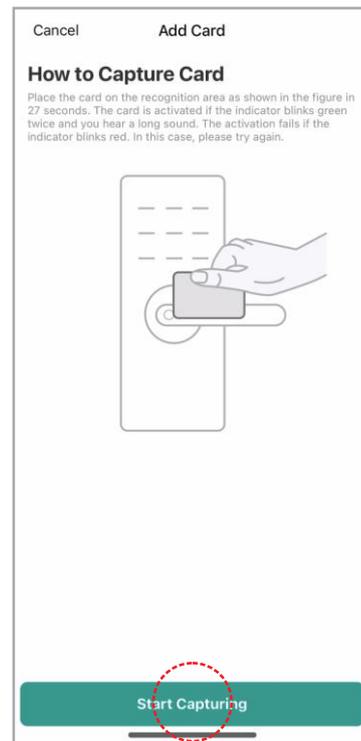
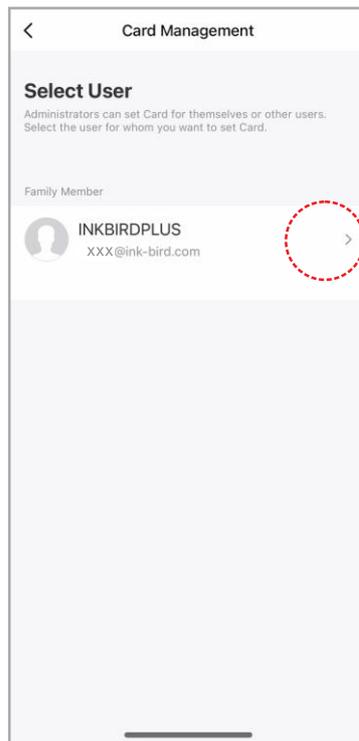
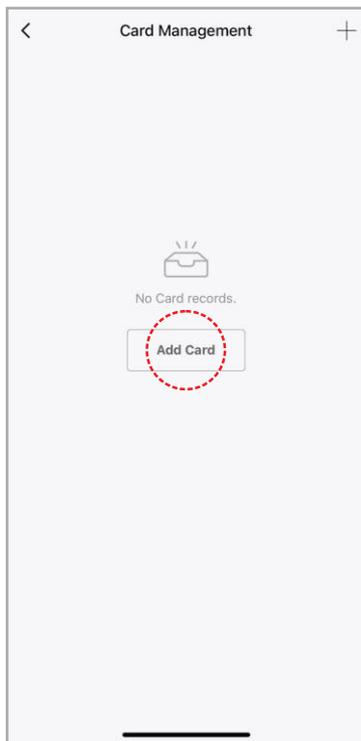
3) How to Add IC Cards

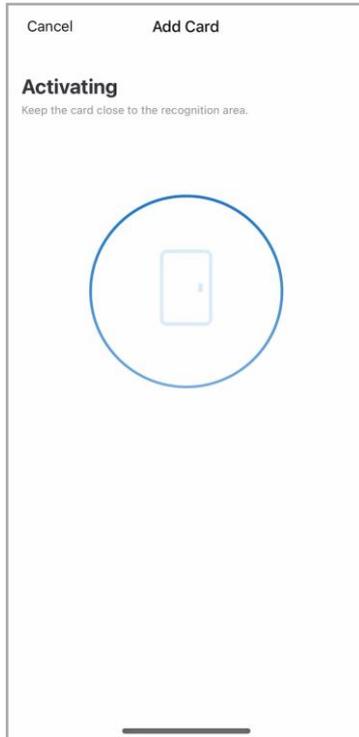
Step1: Go to settings to enter card management, then click "Add Card" to choose a member.

Step2: Click "Start Capturing" and put the card on the card-sensing area of the lock until you hear a sound indicating success.

Step3: Enter a card name and complete the input.

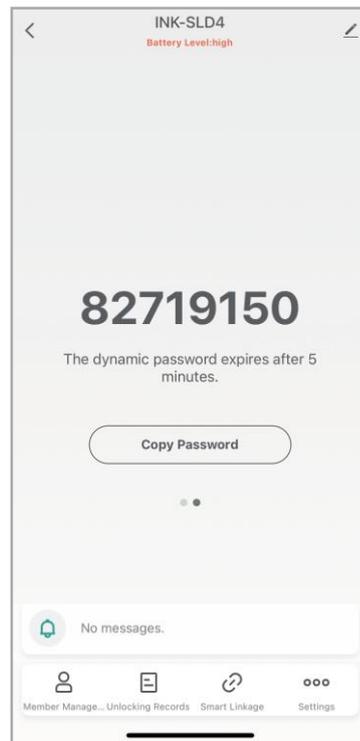
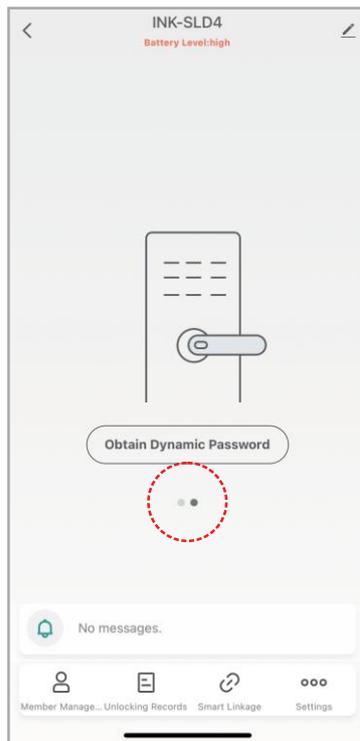
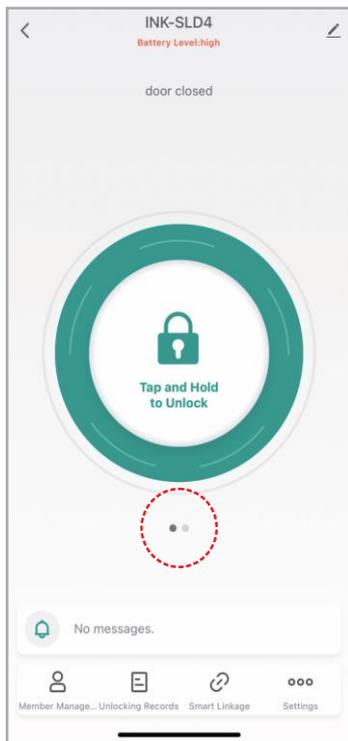






4) How to Obtain Dynamic Password

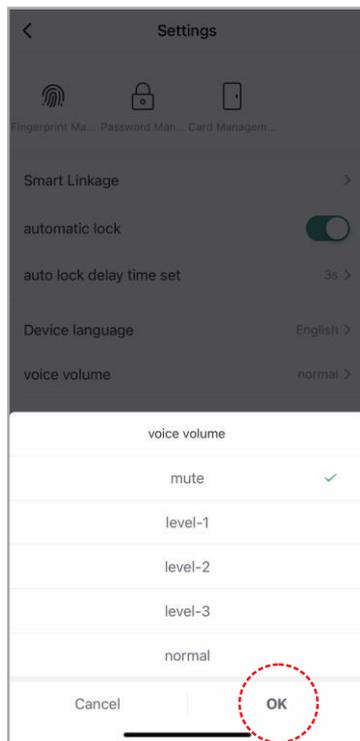
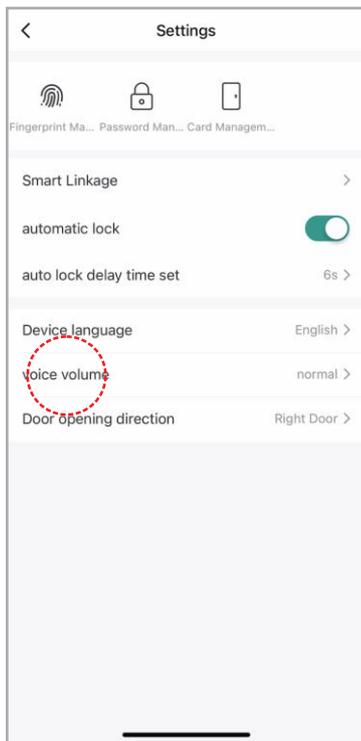
Swipe left on the main interface and click "Obtain Dynamic Password" to generate a password. (Dynamic Password Validity Period: 5 minutes)



4.Optional functions

(1) Change The Voice Volume Enter "Settings" to set the voice volume, then click "OK" to save your setting.



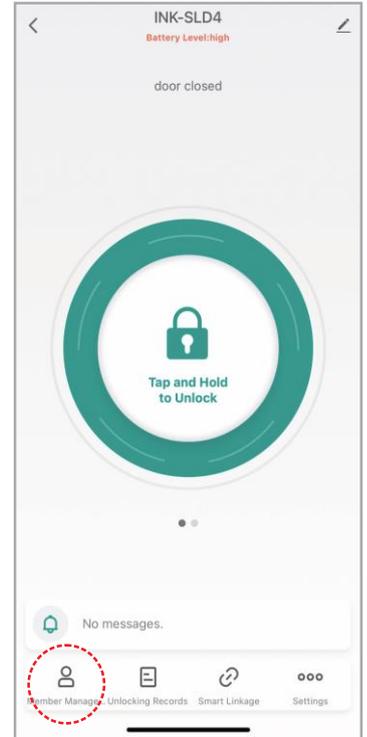


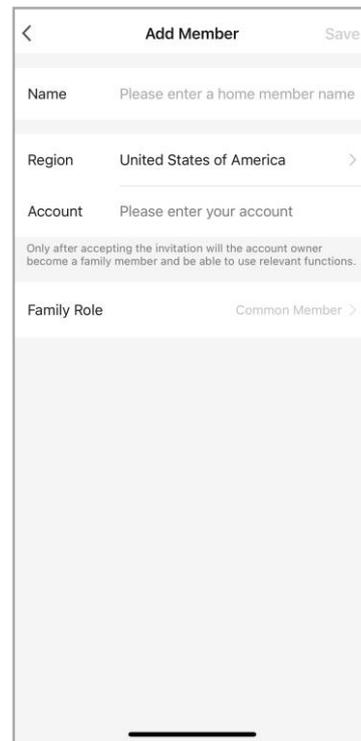
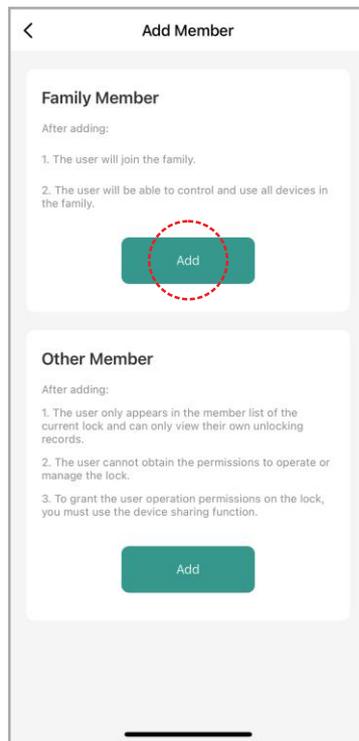
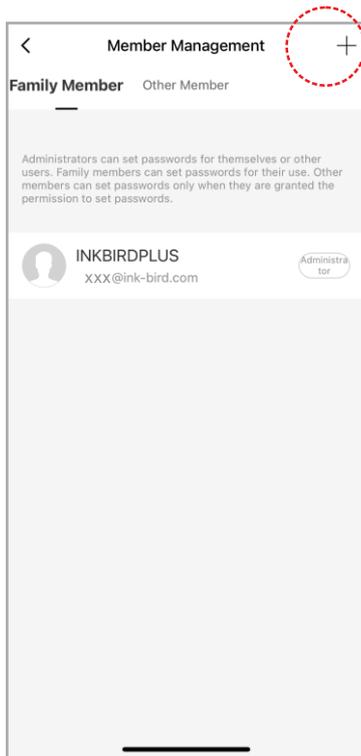
(2) Member Management

1) Add Family Members

Step1: Enter member management and click the "+" in the upper right corner to add a member.

Step2: Click "Add", enter your family member information, and save your settings.



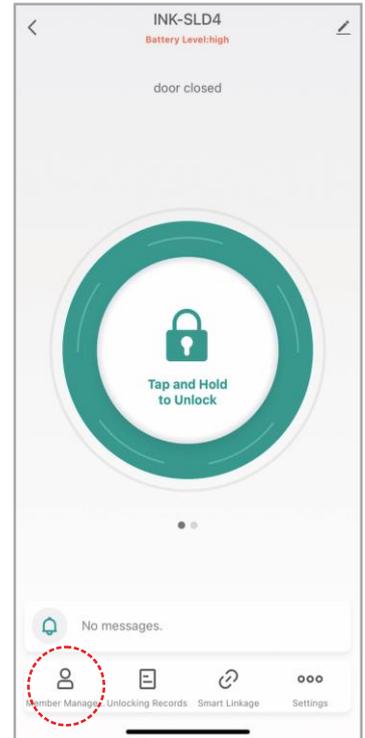


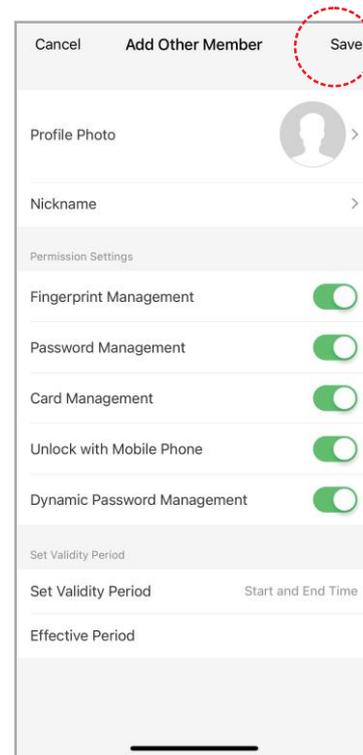
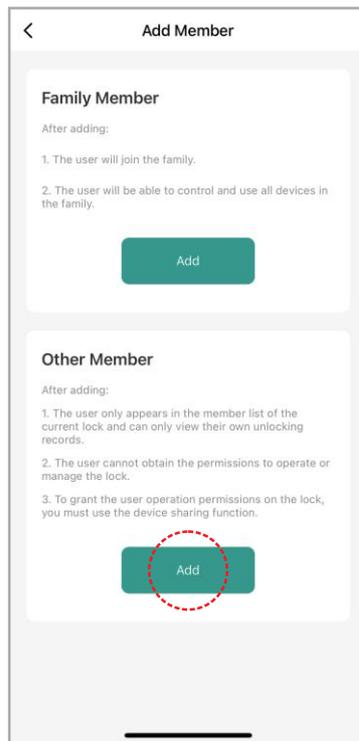
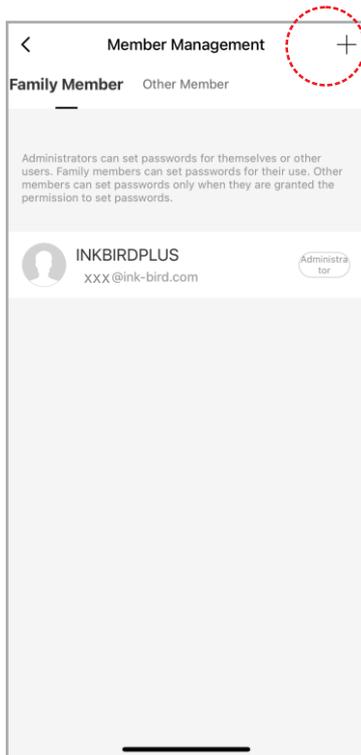
Delete Member: You can click the member's name in your home to remove him from the list.

2) Add Other Members (for limit users like hotel, homestay, rental housing)

Step1: Enter member management and click the "+" in the upper right corner to add a member.

Step2: Click "Add", enter the member name, set permissions, and then save and quit. Note that the effective period must be set.

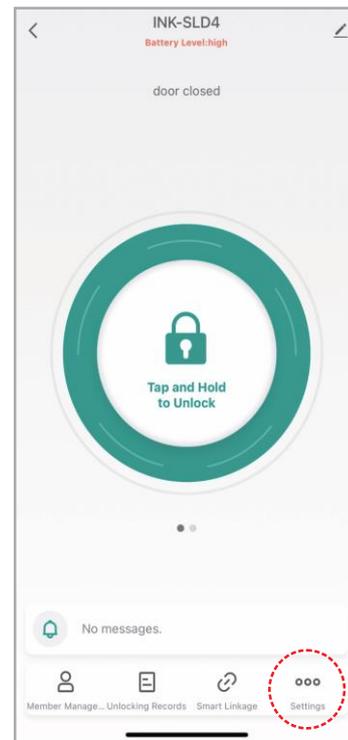


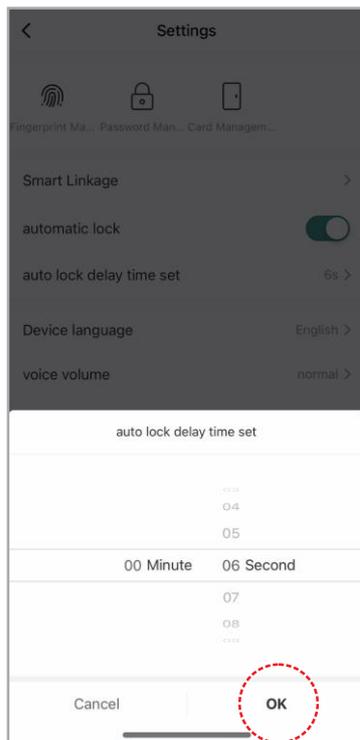
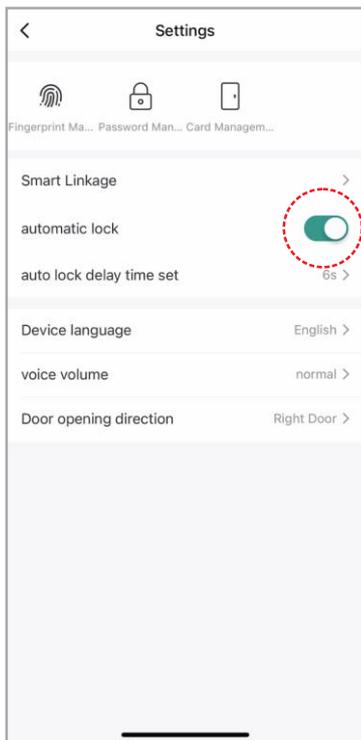


Note: After a battery change or power outage, other members cannot unlock the door until the administrator reconnects to the app and refreshes.

(3) Auto Lock& Auto Lock Time Setting (6 seconds by default)

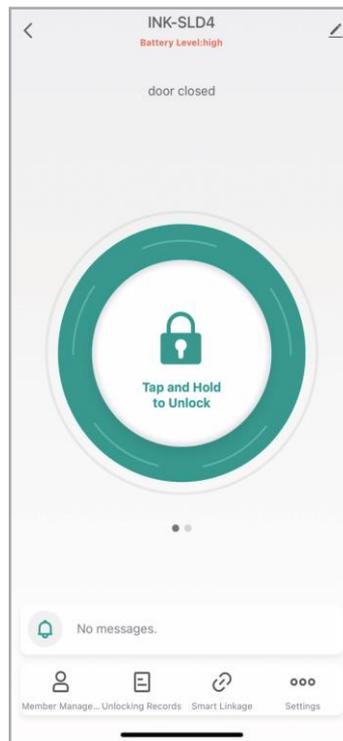
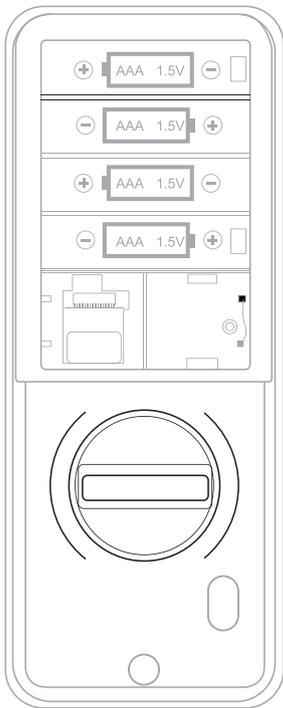
Note: When the auto lock is disabled, the lock is in the Normally Open mode.

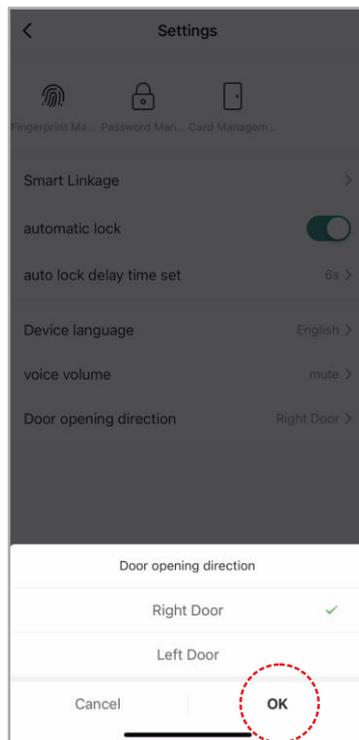
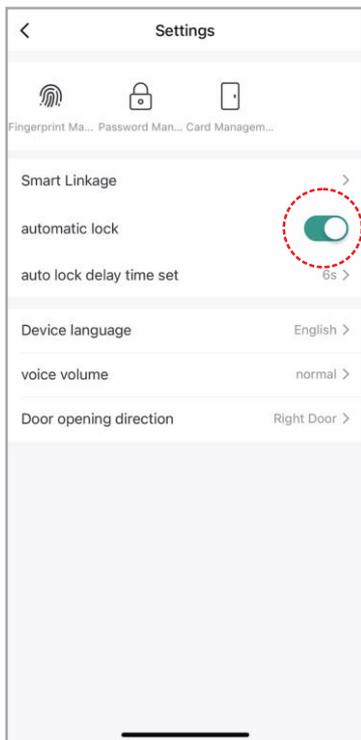




(4) Door Opening Direction

Step1: Turn the Thumb Turn on the lock position.

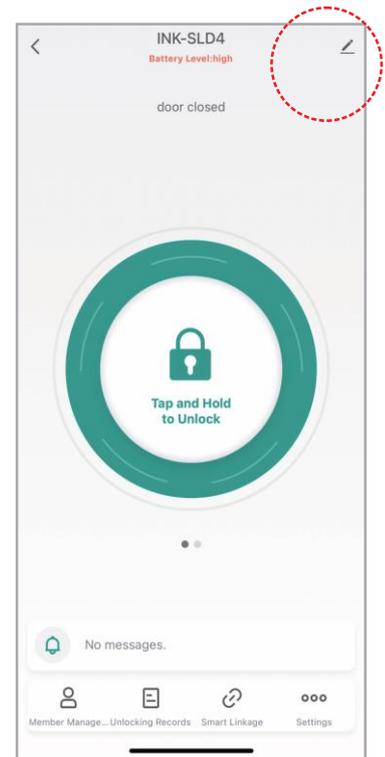


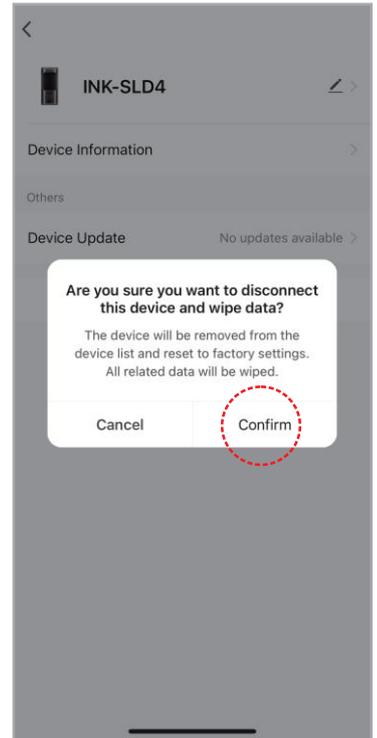
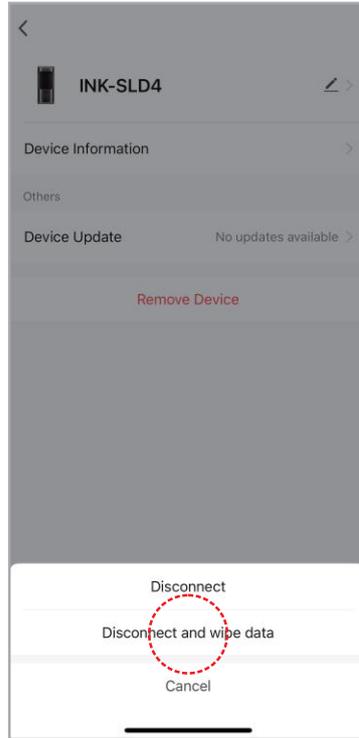
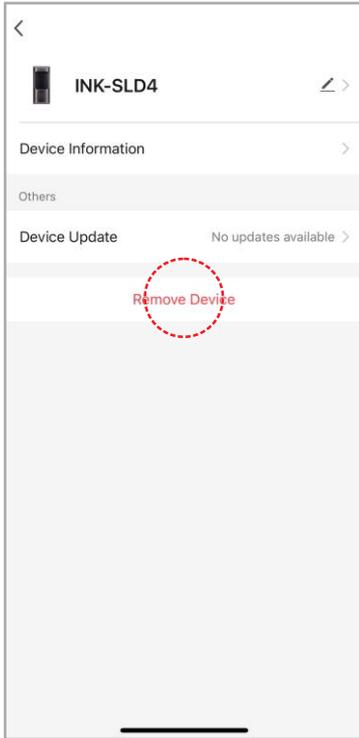


(5) Factory Reset (only administrator is available)

Step1: Click "EDIT" in the upper right corner, then click "Remove device" to delete device data.

Step2: Click "Confirm" to delete all data.





Device Operation

(How to Finish the Settings without APP)

Preparations

- 1) Complete the hardware installation.
- 2) Install 4 AAA batteries.
- 3) (After the first hardware installation, be sure to restore the factory settings) Press and hold the reset button in the lower right corner of the battery compartment for 5 seconds.

Note:

Wake up the keyboard by touching and holding it for 2 seconds.

If the unlock fails 10 times, the system will automatically lock for 3 minutes.

1. How to Add Fingerprints, Passwords, and IC Cards

Note: The local input fingerprint, password, and IC card can all be administrators. The first three users are administrators.

Press "2" and then "🔒" to add:

- 1) Add Fingerprint: Enter your fingerprint as prompted. Each fingerprint need to be entered 3 times. Note that to ensure the integrity of the fingerprint, you should enter a different part of your fingerprint each time.
- 2) Add Password: Enter a 6-digit password. Password registration needs to be entered 2 times.
- 3) Add IC Card: Hold the IC card close to the card sensing area until you hear a sound indicating success.
- 4) Press the "🔒" key to quit adding users.

2. Optional Functions

- 1) Automatic Locking

After 10 failures to open, the system will automatically lock for 3 minutes.

2) Normal Open Mode

Press "3" and then "🔒" to enter the Normal Open mode. (Operation timeout: 10 seconds) If you have added an administrator, it requires verification of administrator information. Press the "🔒" key to quit the Normal Open mode.

3) Voice Language Switch

Press "4" and then "🔒" to switch the voice language between Chinese and English. (Operation timeout: 10 seconds)

4) Volume Adjustment

Press "5" and then "🔒" to enter volume setting.

(Operation timeout: 10 seconds)

Then, press "0" and "🔒" to mute the sound; press "1" and "🔒" to choose the lowest volume; press "2" and "🔒" to choose low volume; press "3" and "🔒" to choose high volume; press "4" and "🔒" to choose the highest volume.

5) Door Opening Direction (must be set in initialization state)

Press "7" and then "🔒" to set the door to open left or right.

A. If the deadbolt is locked, the calibration is done automatically and all lights go out.

B. If the deadbolt is unlocked, turn the Thumb Turn left or right to lock the deadbolt and the lock will automatically calibrate. All lights will go out after calibration succeeds.

C. After calibration, users can unlock once with fingerprint verification.

6) Factory Reset

Method 1: Press and hold the reset button in the lower right corner of the battery compartment for 5 seconds to restore factory settings.

Method 2: Press "6" and then "🔒" to enter the factory reset after disconnecting all Bluetooth pairings. (Operation timeout: 10 seconds)

Note: After this operation, the data entered in the app will all be invalid.

Technical Parameters

<i>External Lock Size</i>	<i>6.22x2.71x1.18 inches (158x69x30mm)</i>
<i>Panel Material</i>	<i>Premium Zinc Alloy</i>
<i>Surface Craft</i>	<i>PVD Electroplating</i>
<i>Compatible Lock Body</i>	<i>Single Key Hole</i>
<i>Door Thickness Requirement</i>	<i>1.37-2.16 inches (35-55mm)</i>
<i>Lock Cylinder Type</i>	<i>Super B-Class Mechanical Lock Cylinder</i>
<i>Operating Temperature</i>	<i>-4°F ~ 140°F (-20°C ~ 60°C)</i>
<i>Networking Mode</i>	<i>Bluetooth</i>
<i>Powered By</i>	<i>4 Alkaline Dry Batteries (not included)</i>
<i>Low-Power Alarm Voltage</i>	<i>4.8 V</i>
<i>Standby Current</i>	<i>60 Ua</i>
<i>Working Current</i>	<i><200 Ua</i>

<i>Unlock Time</i>	<i>Approx. 1.5 seconds</i>
<i>Control Panel</i>	<i>Capacitive Touch Screen</i>
<i>Type Of Fingerprint Head</i>	<i>Semiconductor Zfm-10 <0.001%<1.0%</i>
<i>False Rejection Rate (FRR)</i>	<i><0.001%</i>
<i>False Admission Rate (FAR)</i>	<i><0.1%</i>
<i>Fingerprint Capacity</i>	<i>50 Groups</i>
<i>Password Quantity</i>	<i>Supports 150 Groups (Unlimited Dynamic Passwords)</i>
<i>Card Type</i>	<i>IC Card</i>
<i>IC Card Quantity</i>	<i>2 Pcs</i>
<i>Opening Methods</i>	<i>App/Password/IC Card /Mechanical Key/Fingerprint</i>
<i>Initial Password</i>	<i>666666 (The password contains 6 digits; the virtual password contains 20 digits.)</i>

FCC Requirement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.

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