



# Manual Digital Door Lock

SEMI SMALL CL-S1



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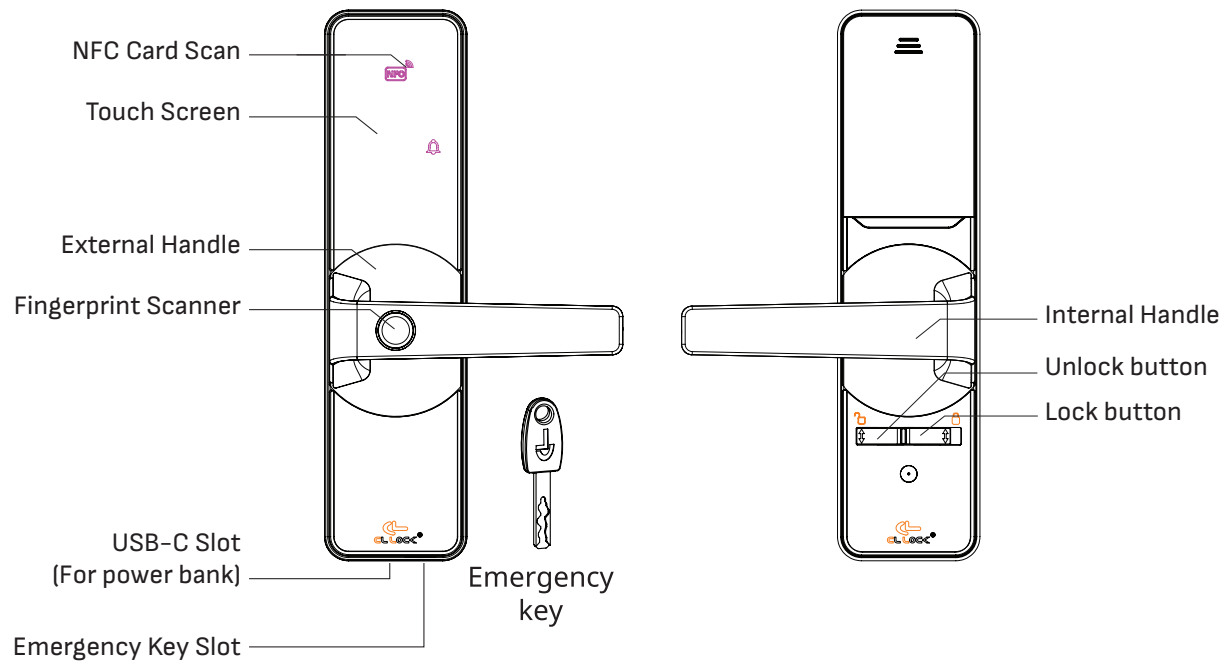
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SEMI AUTO  
DIGITAL DOOR LOCK  
MODEL NO. CL-S1



## 1. Components of the Digital Door Lock

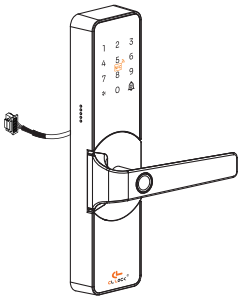


## 2. Technical Parameters

Administrator:	9 users (No. 001–009)
User:	291 users (No. 010–300)
Ways to Unlock:	Password, Fingerprint, NCF card, Emergency key, Application.
Network:	Wi-Fi 2.4 G
Power:	4 Pieces of AA alkaline battery
Low Battery Warning:	4.8–5 V
Emergency Power Supply:	USB type C
Password Length:	6–10 digits (fake password can be up to 29 digits.)
Product Dimensions:	Internal : 65*26*23 mm External: 68*263*29 mm

### 3. Accessories of the Digital Door Lock

1



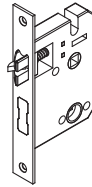
External handle lock(1 set)

2



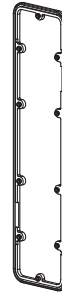
Rubber gasket for external handle lock (1 piece)

3

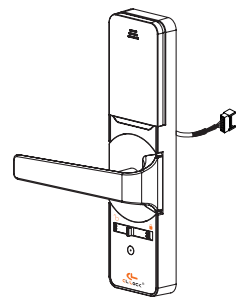


Mortise lock case 50/50 or 60/50 (1 set)

4



Rubber gasket for internal handle lock(1 piece)



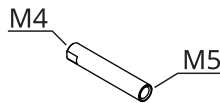
Internal handle lock (1 set)

6



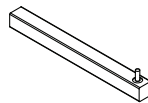
Screw M4 x 25 mm (3 pieces)

7



Screw joint Head: M5, End: M4 Length: 28 mm (3 piece)

8



Lock bolt spindle size 65 mm (1 piece)

9



Emergency key (2 pieces)

10



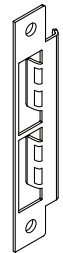
Screw hole cover (2 piece)

11



Tongue receiver box (1 piece)

12



Tongue plate (1 piece)

13



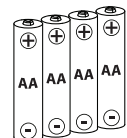
M4 x 20 mm screw for mortise lock (2 pieces) and for strike plate (4 pieces)

14



NFC card (2 pieces)

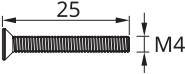
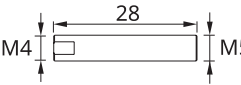
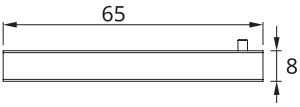
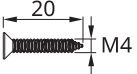
15



Alkaline batteries Size AA (1.5V) 4 pieces (For domestic sale only)

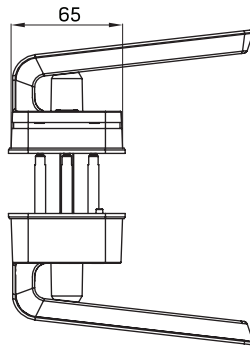
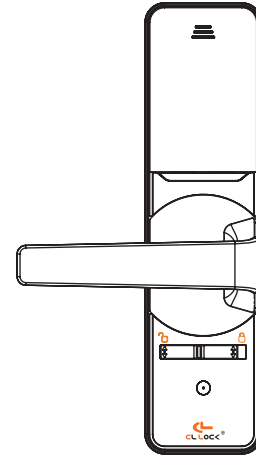
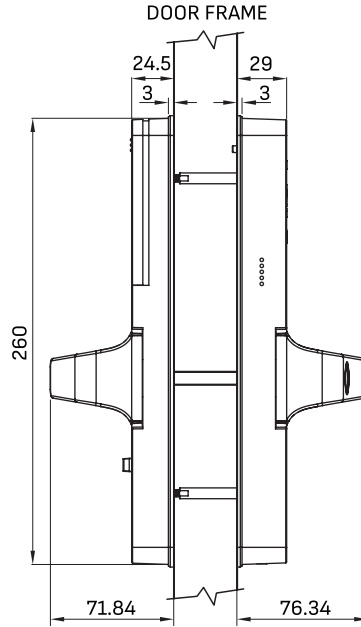
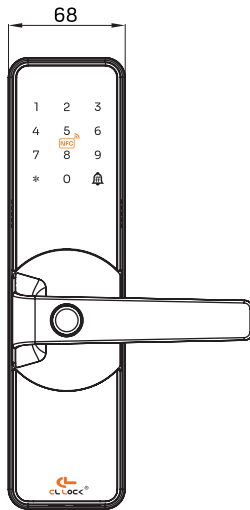
## 4. Additional Accessories for Door Thickness

Door thickness: 35–55 mm. If the door thickness falls outside this range, please contact us for more information. Please select the appropriate accessories based on the door thickness.

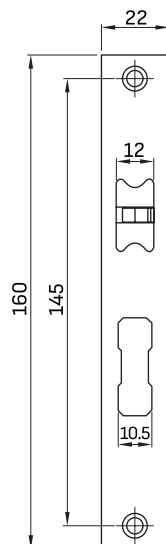
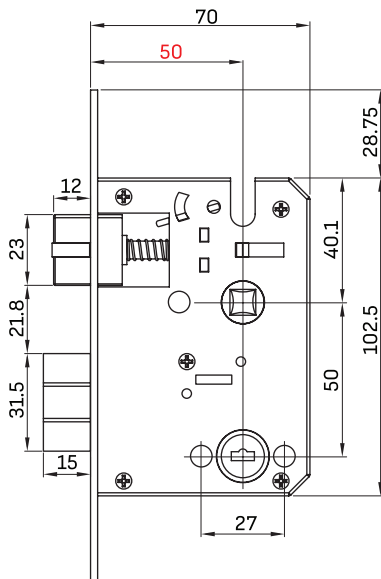
No	Details	Specification (mm)	Door thickness and quantity
			35-55mm
6	Screw M4 x 25 mm.		3
7	Screw joint Head: M5, End: M4 Length: 28 mm		3
8	Lock tongue spindle		1
13	Screw M4 x 20mm.		4

## 5. Dimensions of the Digital Door Lock

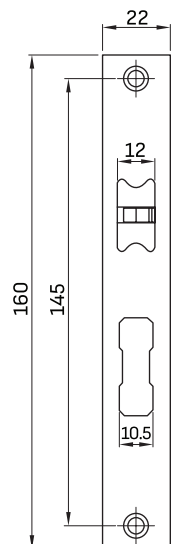
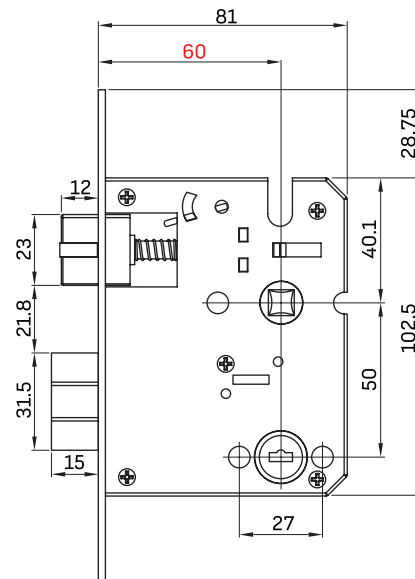
Unit: Millimeters



Lockcase 50/50



Lockcase 60/50







## 6. Product Information

- 1.Fingerprint registration requires scanning the finger 5 times for complete registration.
- 2.Card registration and usage should be within a distance of 0-30 mm for accurate registration and functionality.
- 3Entering the wrong password more than 5 times will trigger an alert, and the lock will remain locked for 180 seconds.(Registered fingerprints and NFC cards can still be used normally.)
- 4.A fake password can be up to 29 digits long.
- 5.If the lock is tampered with, the system will lock for 180 seconds.
- 6.If the battery is low, the application cannot be connected.
- 7.To check the software version, press 99#.
- 8.The first registered admin cannot be deleted.
- 9.To repeat instructions, press 0. To go back, press \*.

## 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 20cm distance between the radiator and your body: Use only the supplied antenna.

# Functionality

## CL-S1



## 7. Functions and Usage

### 1. Definition of Terms

1.1 Admin: Refers to the system administrator or homeowner.

1.2 User: Refers to other users or residents.

### 2. Unlocking from Outside

2.1 Unlock using fingerprint, passcode, card, mobile application, or emergency key.

### 3. Unlocking from Inside

3.1 Unlock by pushing the lever downward (refer to section 10.2, page 13).

### 4. Locking from Inside

4.1 Lock by pushing the lever upward (refer to section 10.1, page 13).

4.2 For internal lock systems, slide the lock to the right (this prevents regular users from unlocking it; refer to section 10.3, page 14).

### 5. Locking from Outside

5.1 Lock by pushing the lever upward (refer to section 11, page 15).

### 6. Button Functions

6.1 Press \*: To go back.

6.2 Press #: To confirm/accept.

### 7. Touch Activation Touching the screen will activate the system and wake it up for operation.

### 8. Configuration Instructions While configuring any function, do not allow the screen light to turn off. If it does, restart the configuration process.

### 9. Confirmation After Configuration

After successfully completing the configuration, press \* to return, or wait for the system to exit automatically.

## 8.Factory Status

In factory status, before registration, face recognition, palm scan, fingerprint, or card can be used to unlock at any time.

## 9.How to Reset or Restore Factory Settings

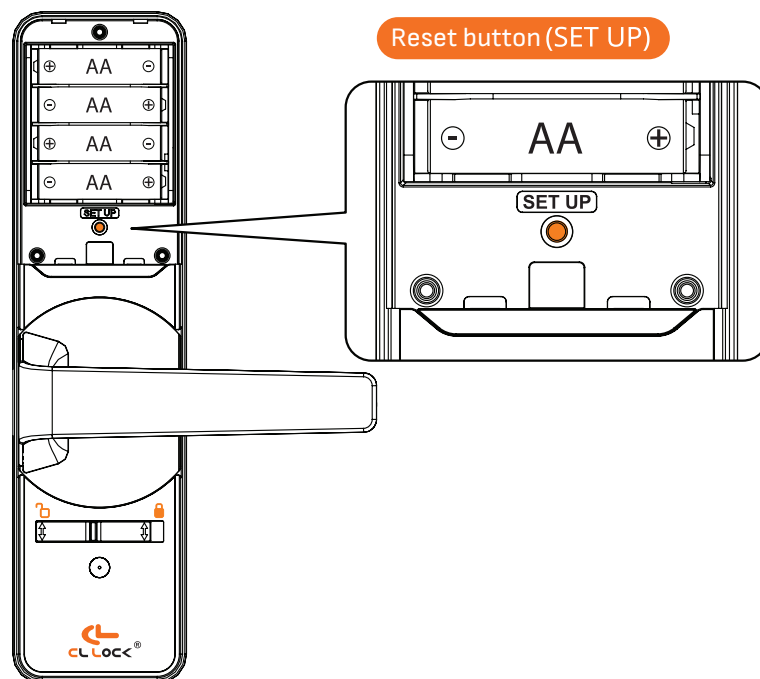
### Reset Button (SET UP)

The reset button is located inside, beneath the battery.

### How to Use

- 1.Open the battery cover.
- 2.Touch the screen to wake the device.
- 3.Use a pointed object to press and hold the reset (SET UP) button for 5 seconds.

The system will restore to factory settings.



## 10.Lock / Unlock : Internal Lock

### 10.1 Locking with the Handle

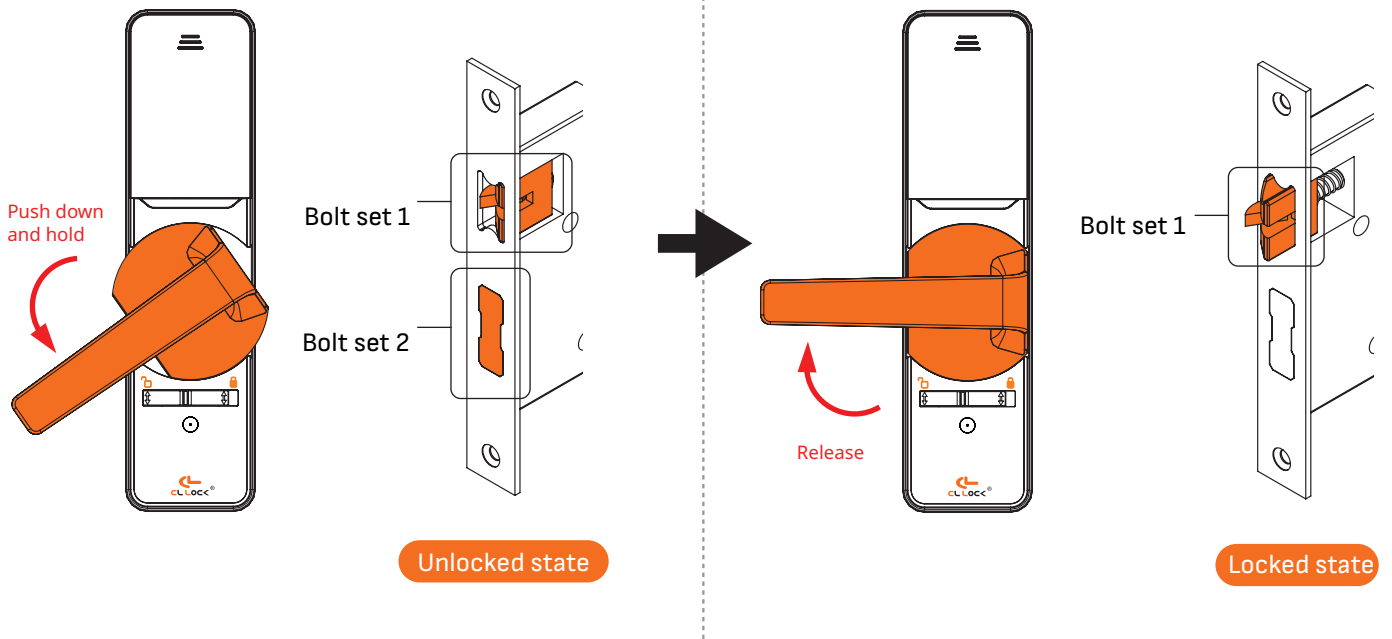
Bolt set 1

Bolt set 2

Push up

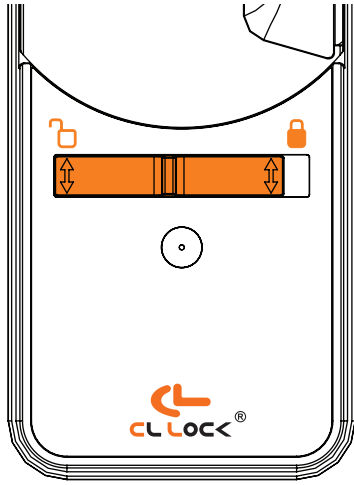
-Rotate the handle upwards; both latch sets extend and enter the locked position.

### 10.2 Unlocking with the Handle

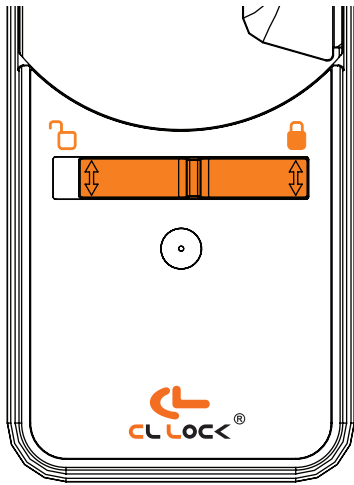


-Rotate the handle down and hold both latch sets retract, entering the **unlocked** position, allowing the door to be opened.  
 -Release the handle to return to its original position (automatically) the first latch set extends and enters the **locked** position.

### 10.3 Locking the Lock from the Inside



When the lock is in the unlocked position (as shown in the illustration), both the administrator and regular users can enter and exit normally according to the registration method.

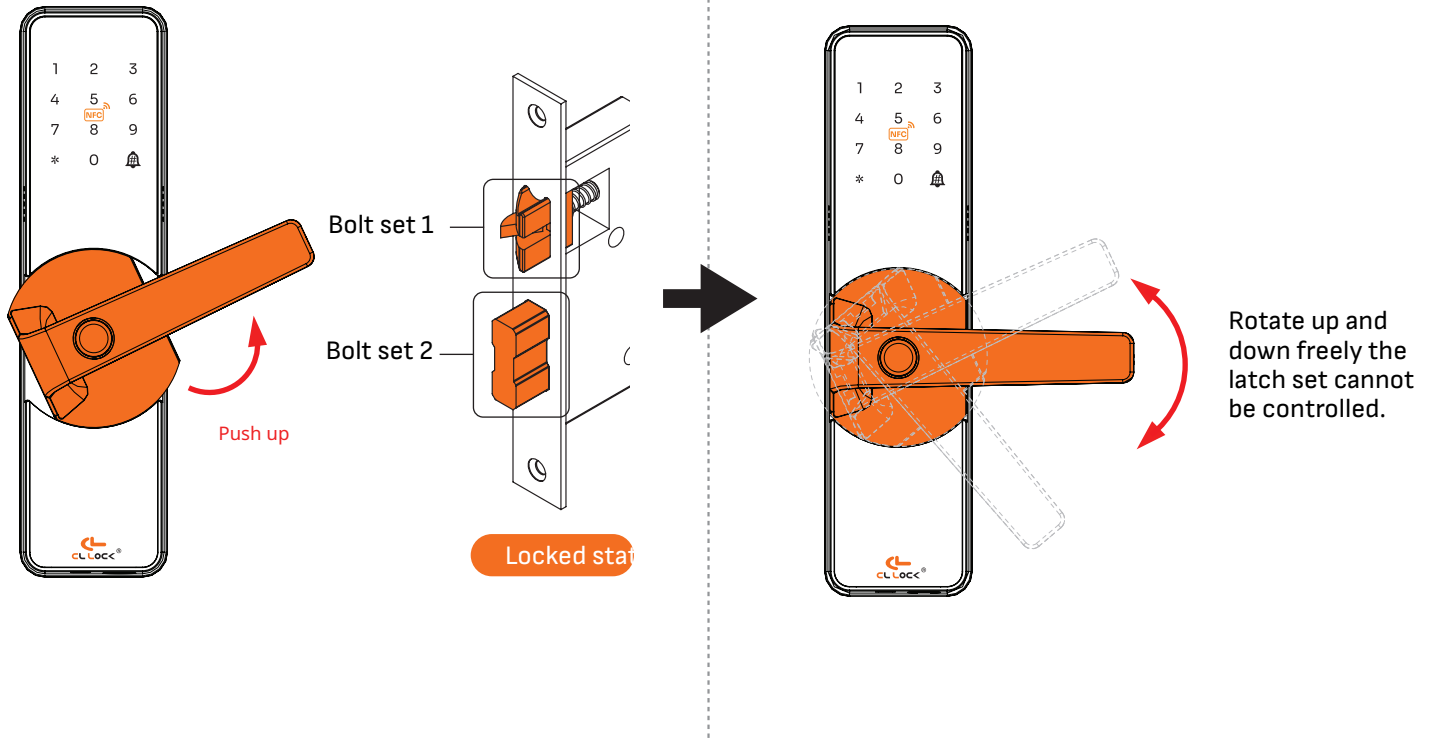


When the lock is slid to the right from the inside (as shown in the illustration), the system will lock from the inside.

The administrator can enter and exit normally, but regular users will not be able to enter.

## 11. Locking from the Outside

### How to lock with the external handle



Rotate the handle upwards both latch sets extend and enter the **locked** position.  
(When the key is in the **locked** position, the external handle will rotate freely and cannot control the latch sets to lock or unlock.)



## 12.Setup Instructions

### 1.Administrator management

- 1.1 Add Administrator
  - Add Administrator — Enroll password, Fingerprint or NFC card:
  - Delete Administrator — Enter the ID user and press #

### 2.User management

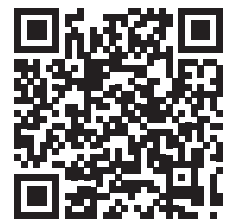
- 2.1 Add User
  - Add User — Enroll password, Fingerprint or NFC card:
  - Delete User
    - Enter the ID user and press #
    - Delete All

### 3.System Setting

- 3.1 Time Setting — Enter Year/Month/Date and Time
- 3.2 Volume Adjustment
  - Volume Low
  - Volume Medium
  - Volume High
  - Mute
- 3.3 Normally Open
  - Start normally open mode
  - Close normally open mode
- 3.4 Double Verification
  - Open double verification mode
  - Close double verification mode
- 3.5 Anti Tampering
  - ON
  - OFF

### 3.6 Record Info

- 4.Network Setting
  - ON
  - OFF



Settings Video

Unlock Capacity	
Fingerprint	100
Password	300
NFC cards	300

# User Management

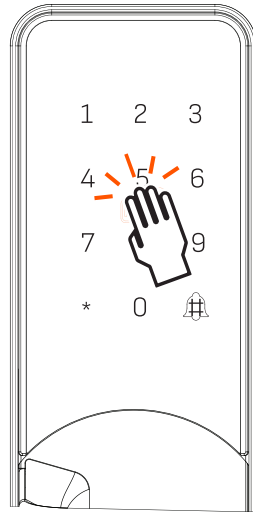
**CL-S1**



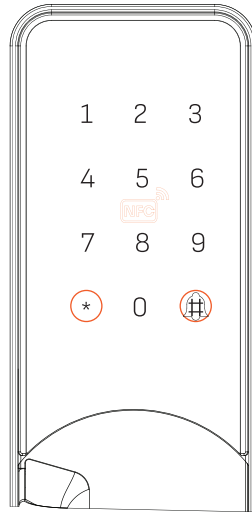


## 13. Administrator Management

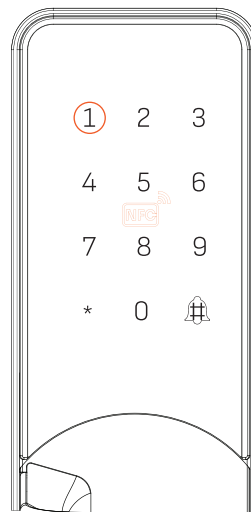
### 13.1 Add Administrator



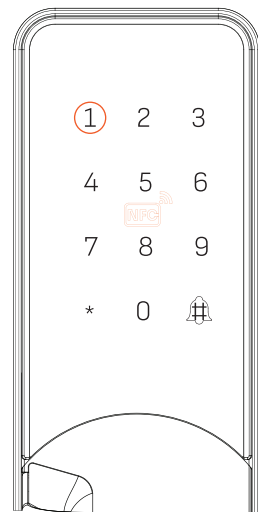
Touch the screen to  
light up



Press \*  
followed by #



Press 1  
Administrator  
Management



Press 1  
Add Administrator

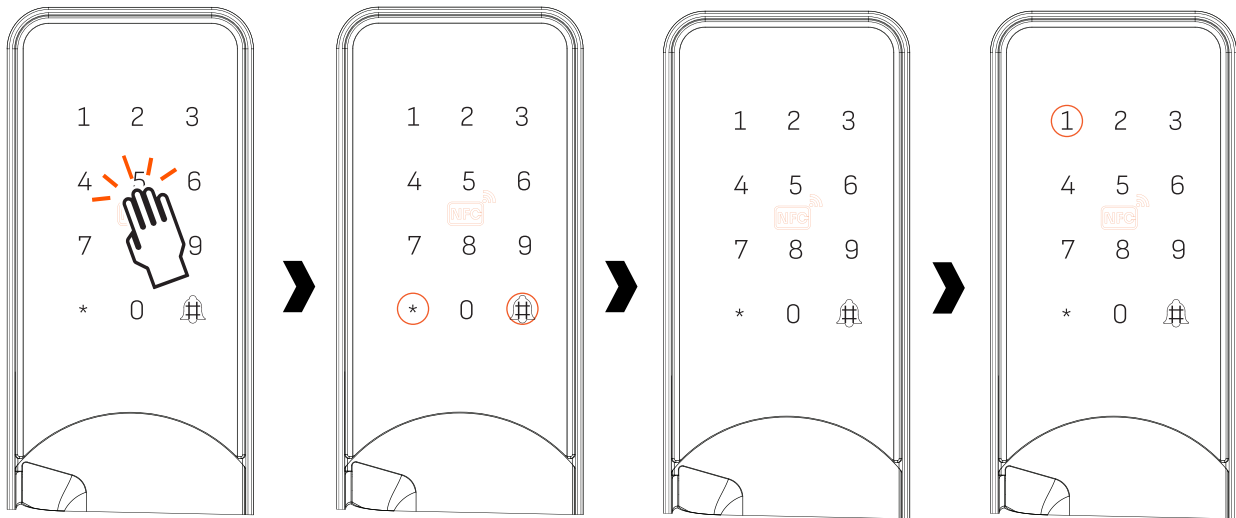


Select your desired option:

- Enter a password of 6-10 digits
- Scan the NFC card
- Scan your fingerprint 5 times

- After registering the first admin, the factory code will change to "Admin."
- When registering a password, it must be entered twice to confirm the password.
- It is recommended to register the password first.
- When registering and using the NFC card, ensure the distance is between 0 - 30 millimeters for proper registration and usage.

## 13.2 Delete Administrator

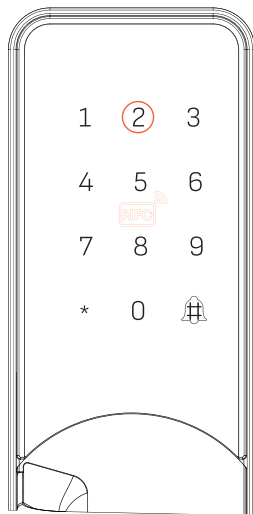


Touch the screen to  
light up

Press \*  
followed by #

Administrator  
identity verification

Press 1  
Administrator  
Management



Press 2  
Delete Administrator

➤ Enter the user ID (1 digit No. 1-9)  
and press #

- No. 0 cannot be deleted (in case of deletion, factory reset is required).

# User Settings

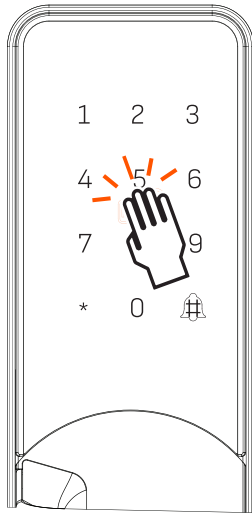
**CL-S1**



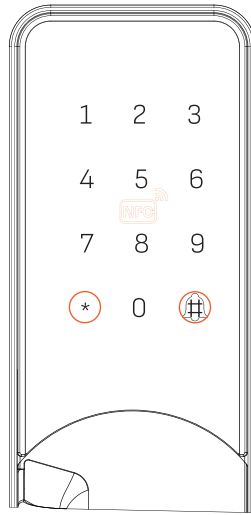


## 14. User Settings

### 14.1 Add User



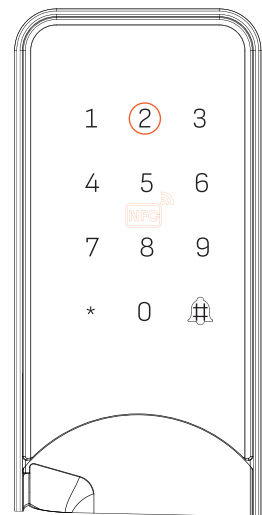
Touch the screen to light up



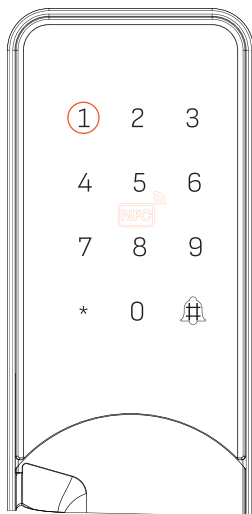
Press \* followed by #



Administrator identity verification



Press 2 User Management



Press 1 Add User



Select your desired option:

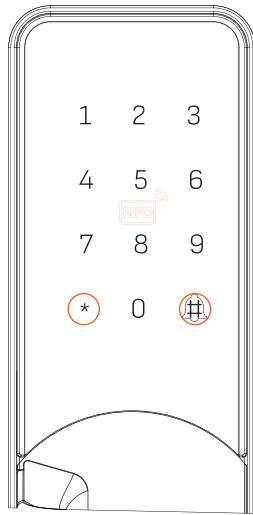
- Enter a password of 6-10 digits
- Scan the NFC card
- Scan your fingerprint 5 times

- When registering a password, it must be entered twice to confirm the password.
- When registering and using the NFC card, ensure the distance is between 0 - 30 millimeters for proper registration and usage.

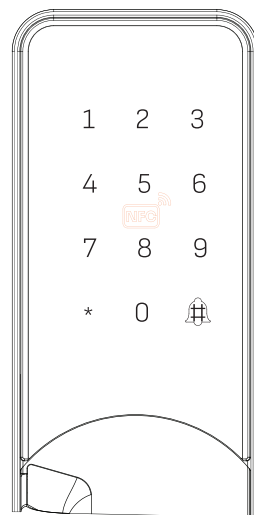
## 14.2 Delete User



Touch the screen to  
light up



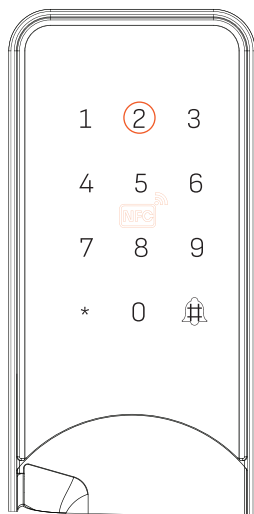
Press \*  
followed by #



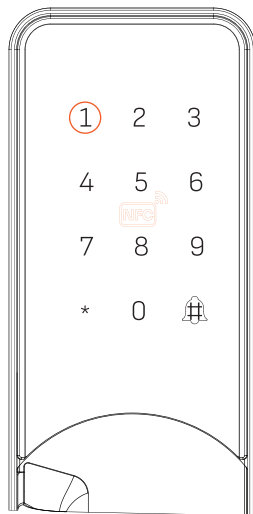
Administrator  
identity verification



Press 2  
User Management



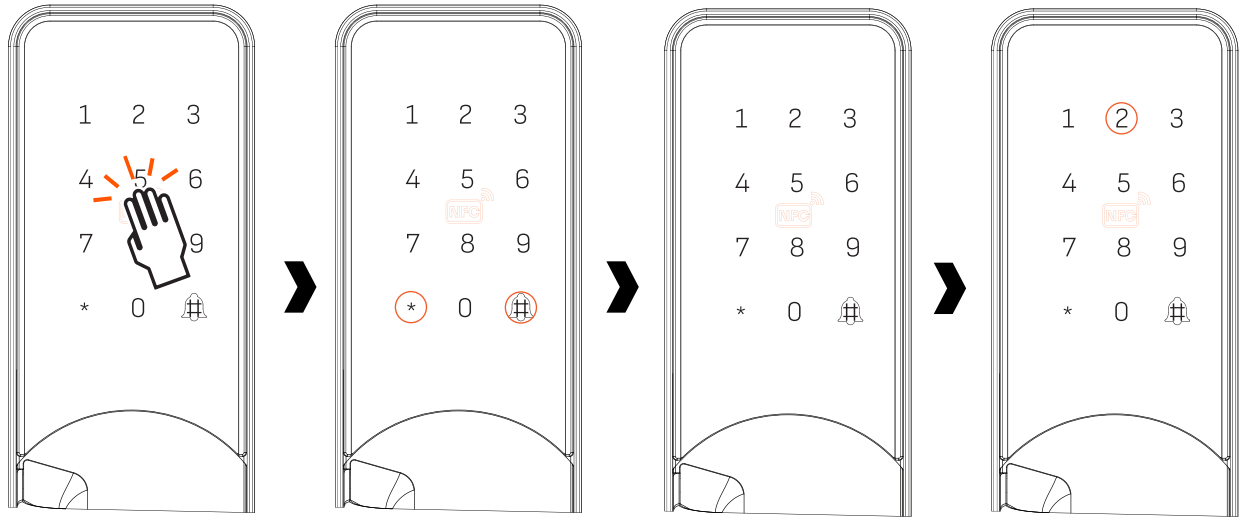
Press 2  
Delete Management



Press 1  
Delete by number

Enter the user ID  
(2-3 digits) and press #

### 14.3 Delete All Users

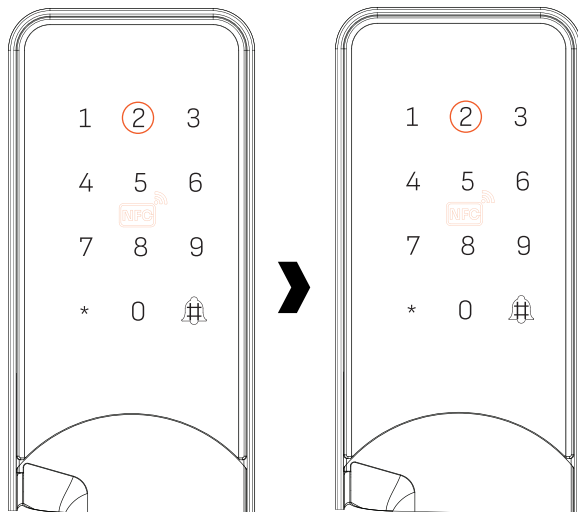


Touch the screen to  
light up

Press \*  
followed by #

Administrator  
identity verification

Press 2  
User Management



Press 2  
Delete user

Press 2  
Delete all user



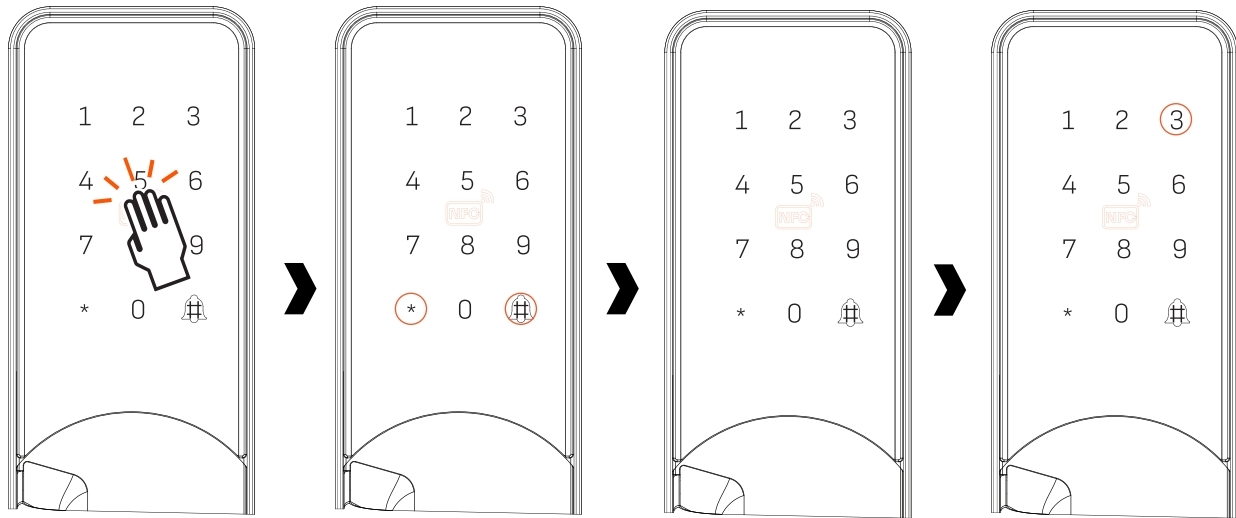
# System Settings

**CL-S1**



## 15. System Settings

### 15.1 Time Setting



Touch the screen to  
light up

Press \*  
followed by #

Administrator  
identity verification

Press 3  
System Settings



Press 1  
Time setting

Enter year as a 4-digit number.

Enter month as a 2-digit number.

Enter day as a 2-digit number.



Enter time:

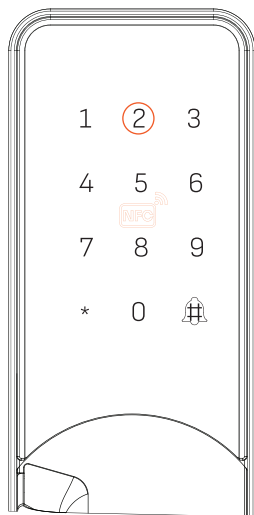
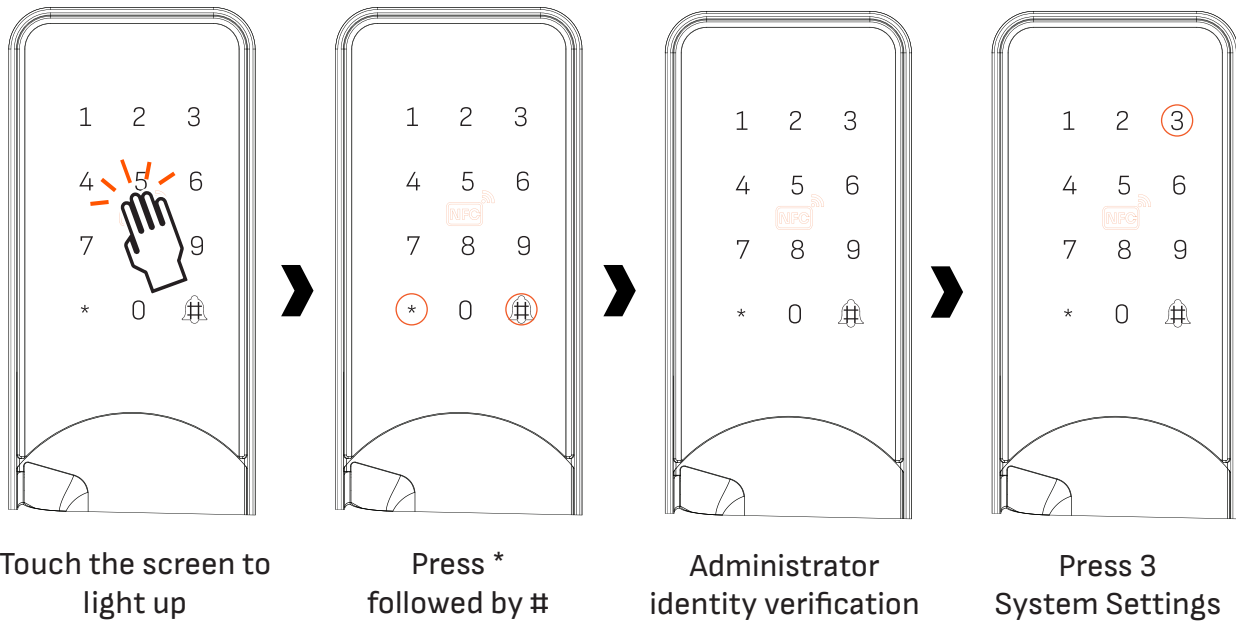
Hour as a 2-digit number.

Minute as a 2-digit number.

Then, the system will review the year-month-day and hour-minute. After that, press #."

- If connected to the application, the date and time will be set automatically.
- Enter the year in AD only

## 15.2 Volume Adjustment

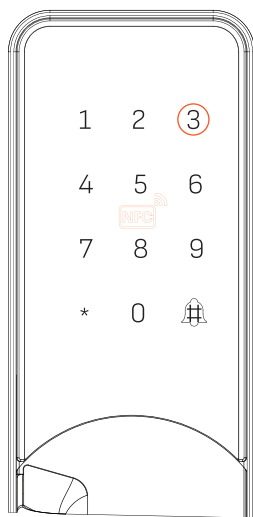
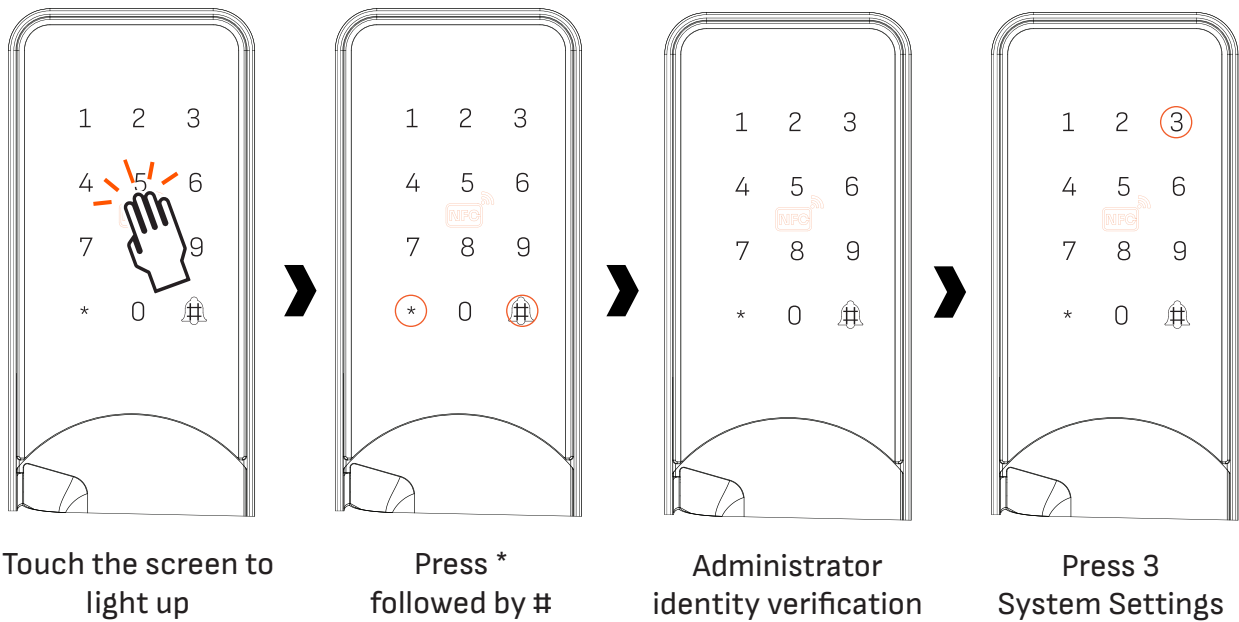


**Press 2  
Volume Adjustment**

Select your desired option:

Press 1 for low volume.  
Press 2 for medium volume.  
Press 3 for high volume.  
Press 4 to mute.

### 15.3 Normally Open



Press 3  
Normally Open

➤ Select your desired option:  
Press 1 to turn on.  
Press 2 to turn off.

- Unlock once first and ensure the always-on mode is activated before proceeding.

## 15.4 Double Verification

