

Installation Guide

Model: SL01- Z350VPN

Version: 1.0

English

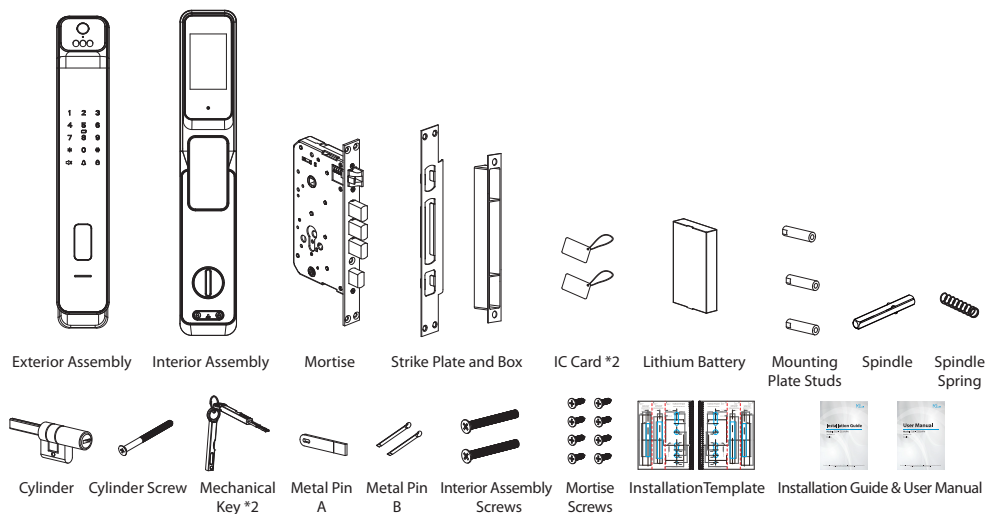
Important Safety Instructions

- 1. Please read this Installation Guide carefully and contact the Customer Care for any installation queries.
- 2. It is recommended that installation be carried out by a professional technician to prevent any potential service charges that can occur due to incorrect installation.
- 3. Make sure the **door surface is flat** to avoid false Anti-pry Detection.
- 4. **The ambient temperature for long-term battery storage is -20°C ~ 35°C. For long term storage the battery must be fully charged and discharged every 6 months. Otherwise, the battery may be damaged.**
- 5. DO NOT leave all mechanical keys indoors. It is recommended that at least one key be left in a safe place outside the home.
- 6. DO NOT attempt to disassemble or repair the device without authorization.
- 7. We regularly revise the contents of this Installation Guide and update our products without prior notice to enhance quality and performance.

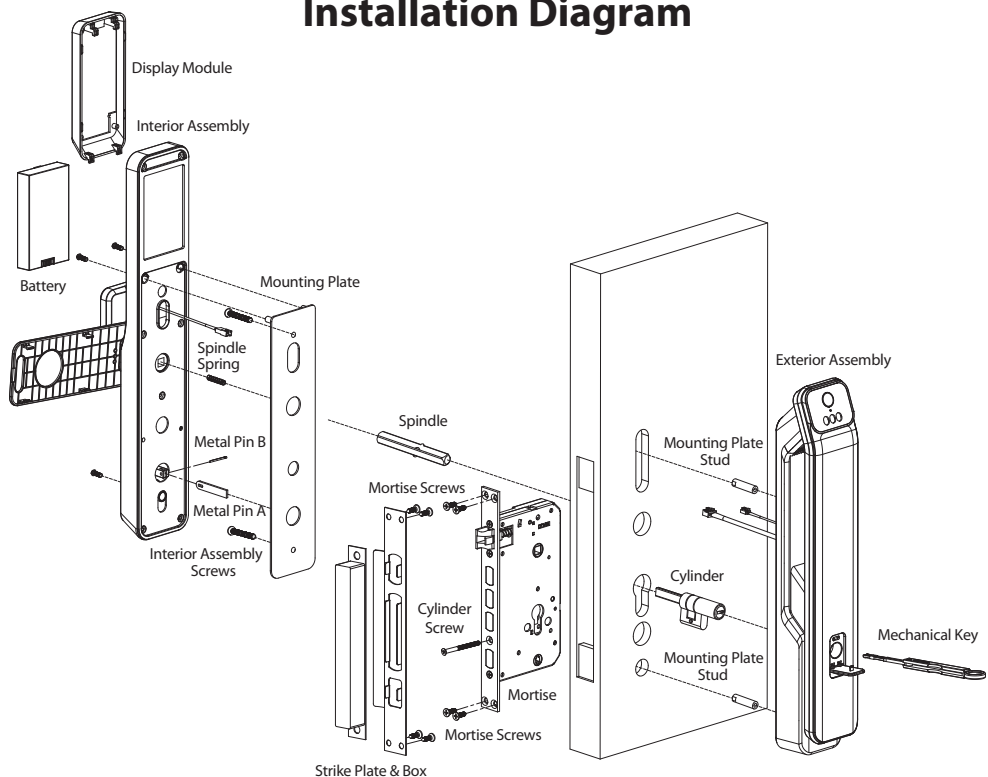
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What's in Box



Installation Diagram



Installation Procedure

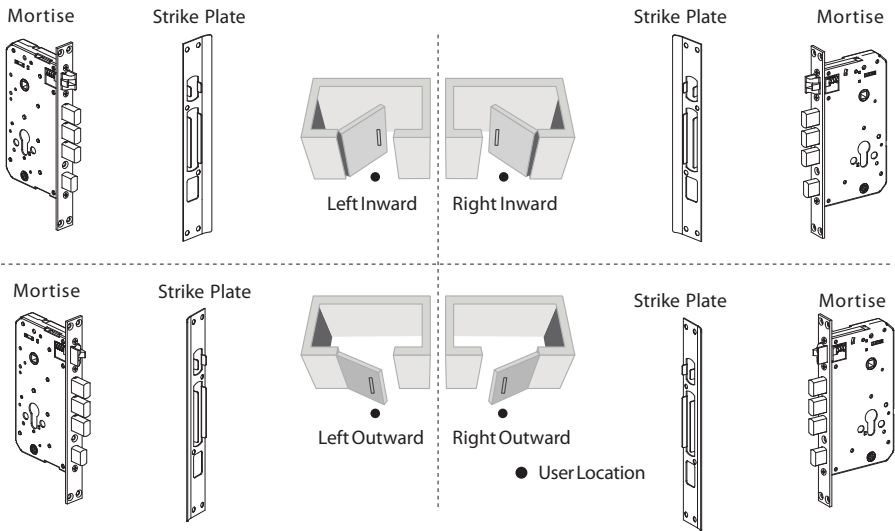
1. Check Door Properties

1.1 Measure the Door Thickness

Measure the door thickness and make sure the product fits your door thickness.

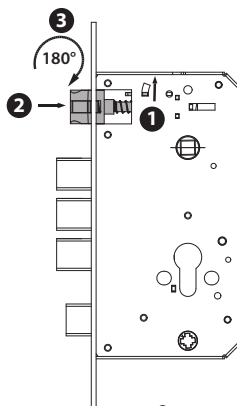
1.2 Check the Door Opening Direction

The direction of the mortise latch is determined by the opening direction of the door. Below is the graphical representation of door opening direction in reference to your location outside the room.



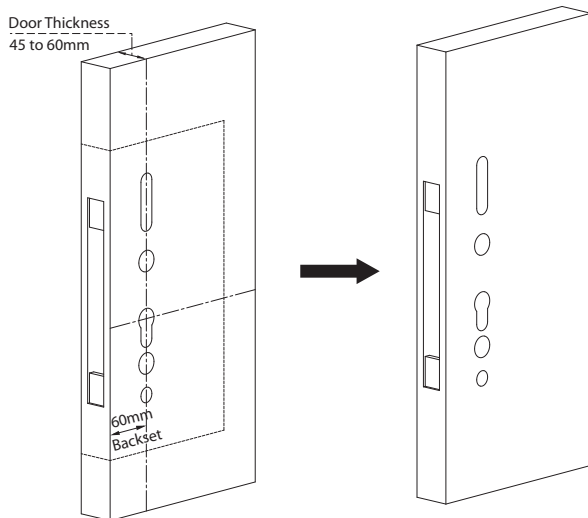
1.3 Adjust the Direction of the Latch Bolt (if needed)

- 1) Push the reversing block in upward direction.
- 2) Push the latch bolt into the mortise.
- 3) Rotate the latch bolt at 180° inside the mortise, and then loosen it.



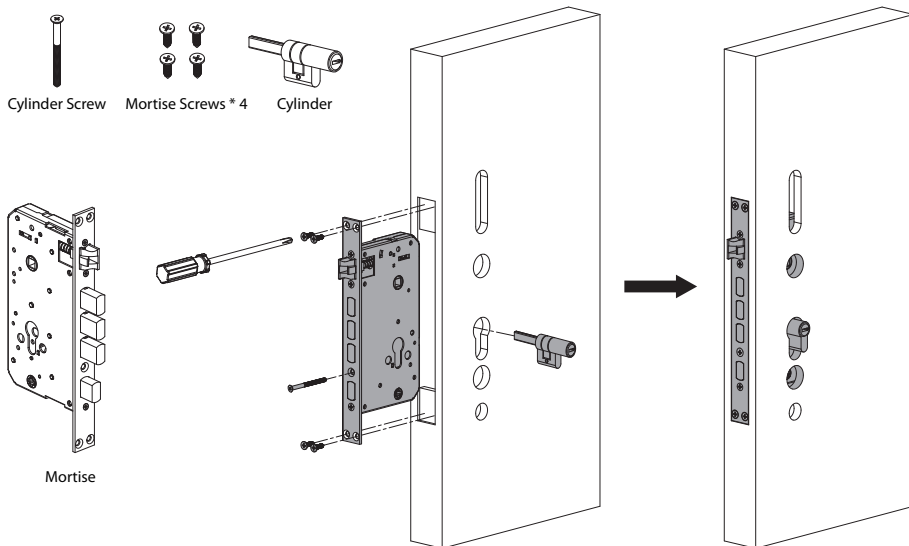
2. Drill Holes on the Door

- 1) Align and tape the Installation Template at the desired height.
- 2) Mark for the holes to be drilled and drill the marked places.



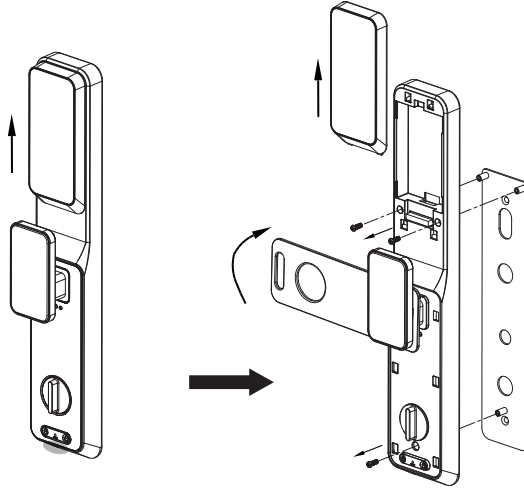
3. Install the Mortise and Cylinder

- 1) Insert the Mortise into the door and secure it with the Mortise Screws.
- 2) Insert the Cylinder into the door and secure it with the Cylinder Screw.



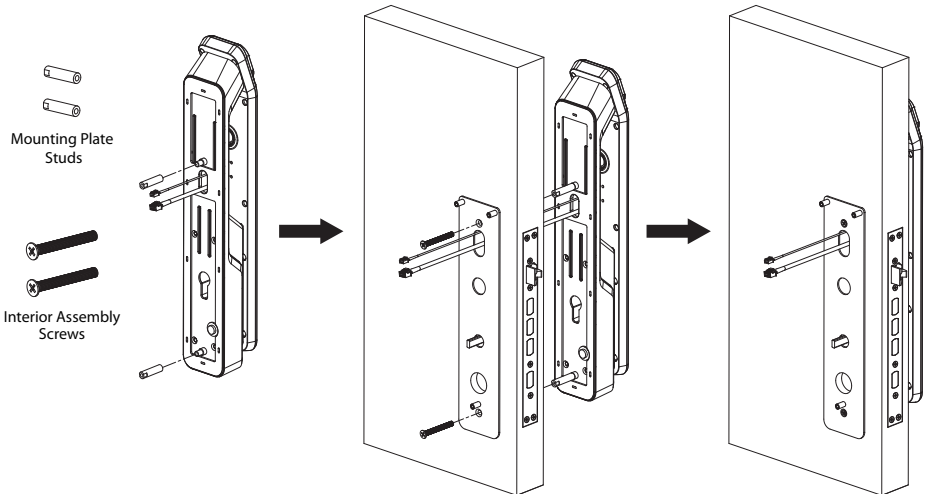
4. Uninstall the Mounting Plate

- 1) Uninstall the display module by pushing it up, uncover the hidden cover by notch reserved at the bottom of the Interior Assembly.
- 2) Uninstall the three built-in Mounting Plate screws, then uninstall the Mounting Plate.



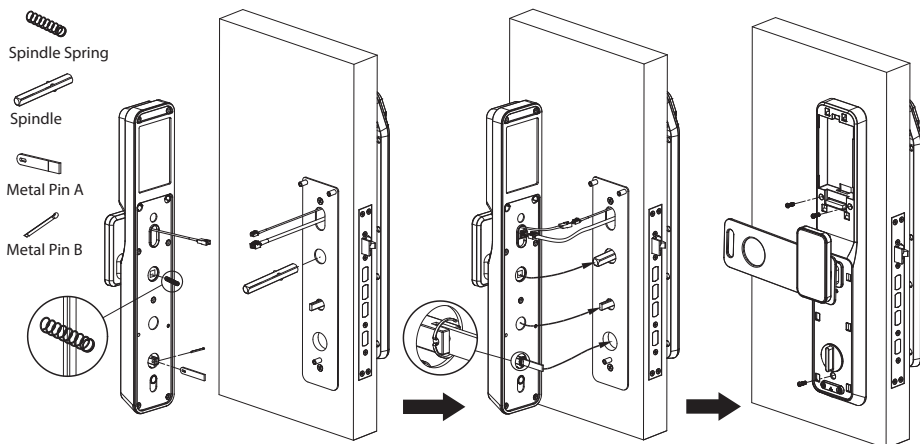
5. Install the Exterior Assembly

- 1) Install and secure the Mounting Plate Studs on the rear of the Exterior Assembly.
- 2) Insert the cable through the hole, and insert the Exterior Assembly into the corresponding holes.
- 3) Install the Exterior Assembly and Mounting Plate combination with Interior Assembly Screws.



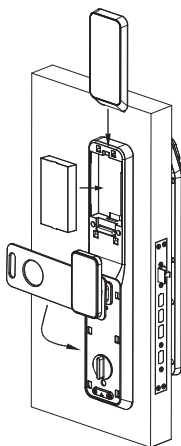
6. Install the Interior Assembly

- 1) Install Spindle Spring in the corresponding position of the Interior Assembly.
- 2) Install the shorter end of Spindle in the corresponding position of the Mortise.
- 3) Install Metal Pin A with Metal Pin B in the corresponding position of the Interior Assembly.
Please ensure that both components are securely installed and firmly connected, and that they do not interfere with other parts of the lock during rotation.
- 4) Connect the cable to the port on the Interior Assembly.
- 5) Place the Interior Assembly properly on the door, and secure it with the three Mounting Plate screws.



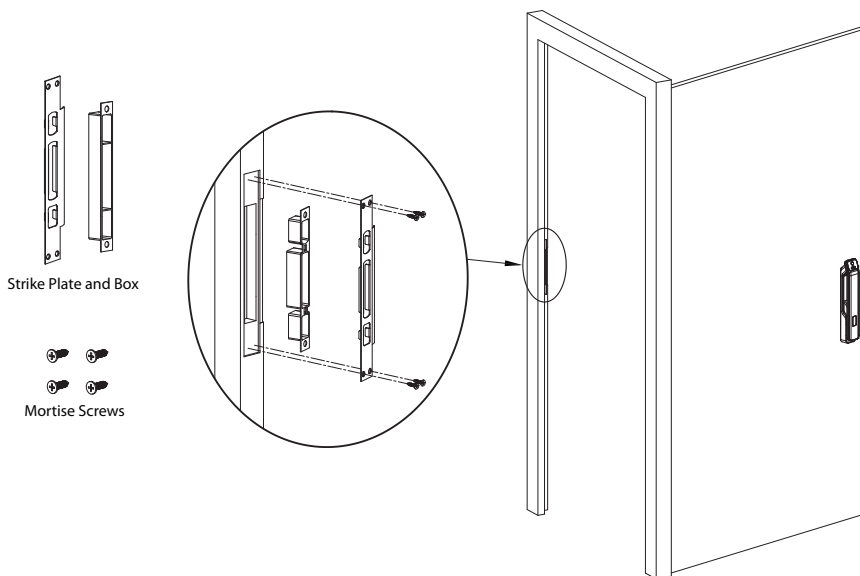
7. Install the Batteries and the Display Module

Insert Lithium Battery and cover it with the Display Module, then install back the hidden cover.



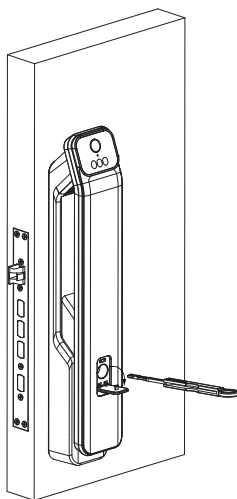
8. Install the Strike Plate and the Box

- 1) Make sure that the Strike Box is aligned with the latch bolt. Then, use the Installation Template to drill holes.
- 2) Align the Strike Plate and the Box with the drilled holes and secure them with provided Mortise Screws.



9. Test Mechanical Key

- 1) Press the bottom of the keyhole cover to open it.
- 2) Insert the Mechanical Key into the key hole and rotate to unlock the door.



User Manual

Model: SL01- Z350VPN

Version: 1.0

English

Important Notes

1. Please carefully read this manual before operating the product.
2. We regularly update this User Manual and our products without prior notice to enhance quality and performance.
3. Before registration, the new locks are initially can be unlocked by any authentication method by default.
4. Do not remove battery from the lock while it is operating.
5. Battery must be replaced immediately when the lock prompts the Low Battery Warning.
6. Do not keep all mechanical keys indoors. It is recommended that at least one key be left in a safe place outside the home.
7. **The ambient temperature for long-term battery storage is -20°C~35°C. For long term storage the battery must be fully charged and discharged every 6 months. Otherwise, the battery may be damaged.**
8. Fingerprint Collection Tips:
Please move the different areas of your fingerprint to collect more details, and place your finger to maximize the fingerprint sensor surface, which helps to improve the success rate of fingerprint verification.



Note: Please use the correct method when pressing your fingers onto the fingerprint reader for registration and identification. Our company will assume no liability for recognition issues that may result from incorrect usage of the product. We reserve the right of final interpretation and modification concerning this point.

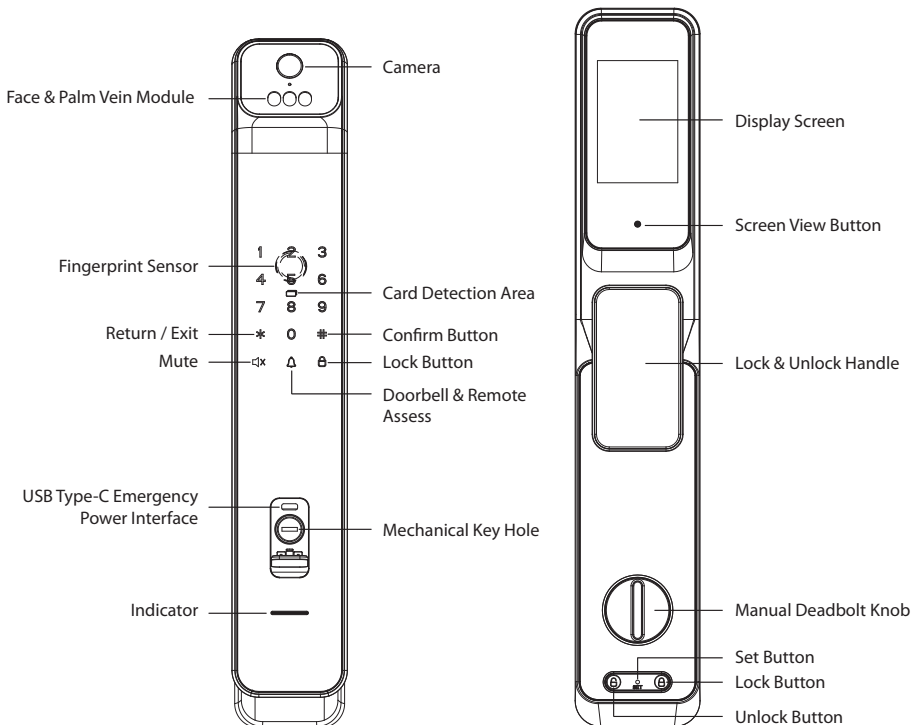
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Product Specifications

Capacity	Palm Vein: 20 Face: 20 Fingerprint: 100 Card: 50 Passcode: 50
Card Reader	IC Card@13.56 MHz
Wireless Communication	Wi-Fi (IEEE 802.11b/g/n) @ 2.4 GHz BLE 5.0 (only for network configuration)
Power Supply	1* Lithium Battery
Emergency Power Supply	USB Type-C Interface, DC 5V
Operating Temperature	-20°C to 55°C (-4°F to 131°F)

Product Overview



Product Features

Initialization (Reset): All the registered user data will be deleted and the device will be restored to the factory setting. Press and hold the **Set Button** for 5 seconds, followed by the # button to reset.

Anti-Peeping Codes: To protect the passcode, users may enter their passcode with random digits before or after the actual passcode. The password can be set from 6 to 12 digits, and the maximum number of entered digits must be less than or equal to 20.

Doorbell & Remote Unlocking: When the visitor presses the Doorbell Button on the touch keypad, the lock will generate a doorbell sound, and the mobile app will receive a request for remote unlocking.

Temporary Access: The temporary passcode can be generated for visitors on the mobile app.

Volume Setting: The audio volume can be adjusted to high, middle, low, or mute mode on the system.

Passage Mode: This function is designed to keep the door unlocked at all times, which is suitable for places with no access restrictions.

Emergency Power Supply: If the lock is out of power, a portable power bank can temporarily power it by connecting to the USB Type-C interface.

Emergency Mechanical Key: The mechanical key is utilized to unlock the door in case of an electronic malfunction with the lock.

Consecutive Attempts Alarm: After 5 failed verification attempts, the lock will not be operable for 120 seconds.

Low Battery Alarm: When the battery is low, the lock will prompt "Depleted battery; please replace the battery" after being unlock.

Anti-pry Detection: If the exterior assembly is forcibly removed, the lock will continuously sound an alarm, and the mobile app will also receive an alert notification.

Unlock Mode: Single Mode requires only verification of any registered method to unlock the door, while Combination Mode requires an additional set of registered passcode to unlock the door.

Child Safety Mode: When this mode is on, the Unlock Button on the Interior Assembly will be disabled.

Lock Setup

Using the Lock in Standalone Mode

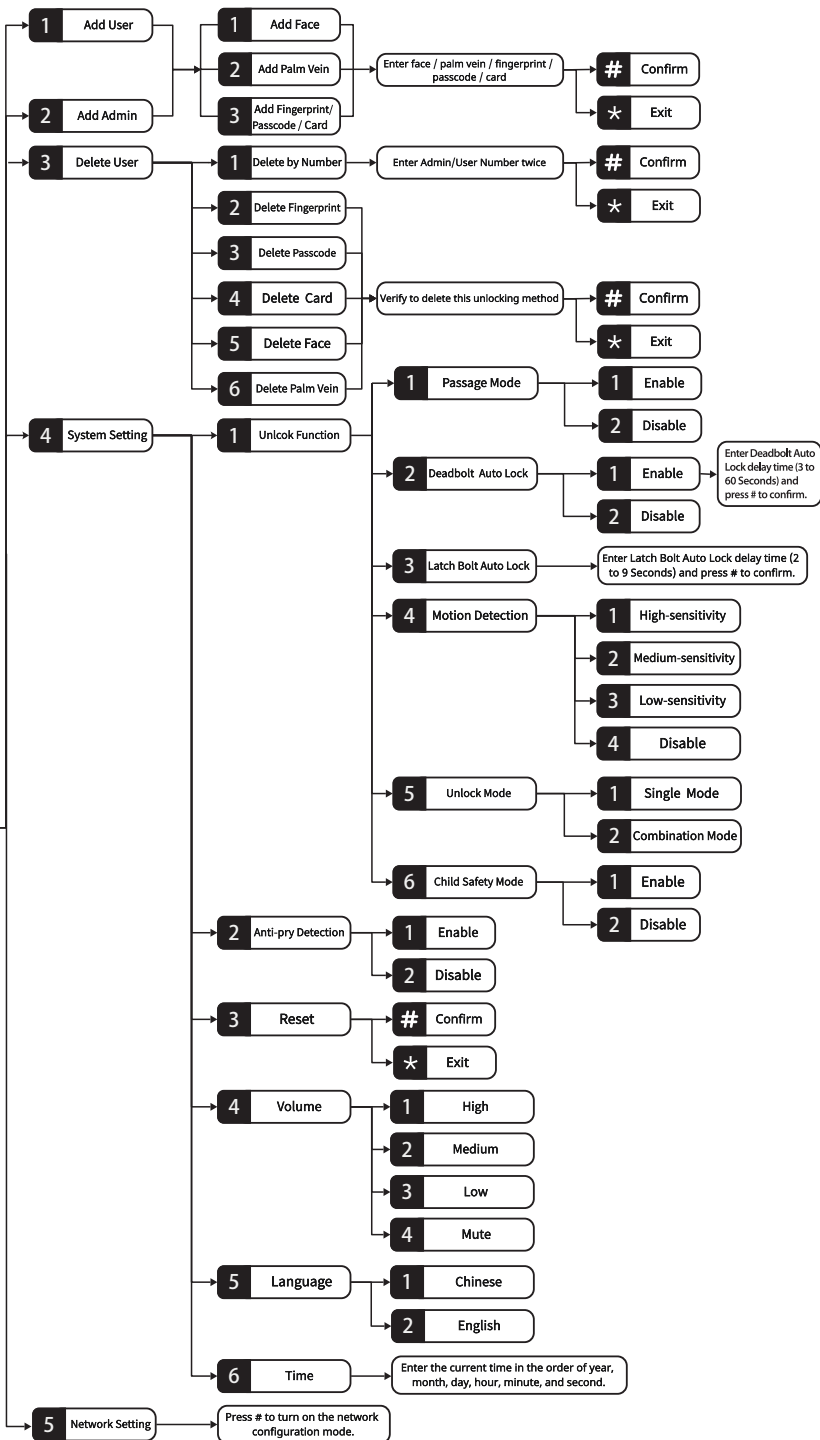
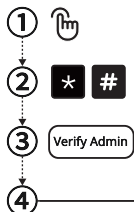
It is recommended to use the **NGTeco Home App** to configure your lock. If you don't have a smartphone or don't want to use the mobile app, you can use the following programming instructions.

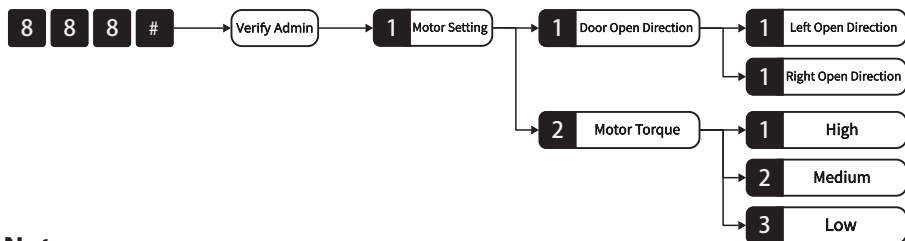
1. Register the First Administrator

- ① Touch the keypad to activate the lock.
- ② Press the [*] and [#] buttons to add the first Administrator.
- ③ Press fingerprint six times, or enter a **6 to 12** digits passcode twice, or swipe a card.

2. Operate Other Features through Menu Mode

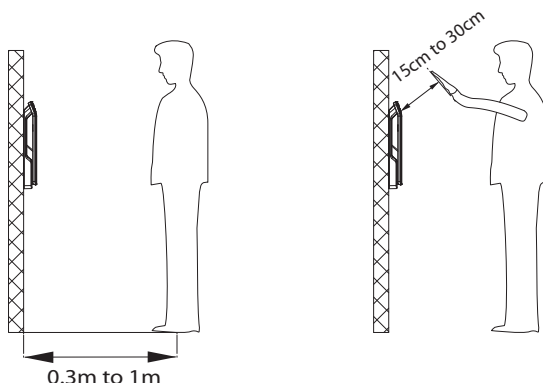
- ① Touch the keypad to activate the lock.
- ② Press the [*] and [#] buttons, and verify the administrator's information to access the system menu.
- ③ Follow the audio guide and enter the digit corresponding to the desired function.





Note:

- 1) You need to register the first administrator information before you can access the system menu, and you can register up to 5 administrator information. To ensure the system operates normally, the administrator user verified during this operation cannot be deleted.
- 2) Example: to set as April 19, 2025,15:30:45, Select **Time** setting input 25#04#19#15#30#45#.
- 3) Face & Palm Vein registration and verification should be directly in front of the lock. The registration and verification distance for **Faces** should be **0.3 to 1m**. And the registration and verification distance for **Palm Vein** should be **15 to 30cm**.



Connecting the Lock with App

1. Search for the "**NGTeco Home**" App on the iOS App Store or Google Play Store, or scan the QR code to download the App.
Open the "**NGTeco Home**" App, register, and sign in to the account.
2. Turn on **Bluetooth and Wi-Fi permission** on your smartphone, and stay near the lock (within 10 meters without obstacles).
3. Tap the "+" button on the top right corner of the interface, and then select the "**Add Device**" option.
4. Activate the lock and enter the system menu, select "**5. Network Settings**" and press # to confirm.
5. Tap the "**Add**" button once the device pop-up has appeared on the App. Follow the on-screen instructions to connect the device automatically.



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