VCHOO Smart Life Wi-Fi Smart Lock

Product Name:Smart Lock

Model: SL02

Product Installation Manual

If you encounter any issues during installation, please contact our official email for support. Our customer service team is available 24/7. Thank you for your support and trust!

Our Official E-mail: VCHOO-INTELTECH@outlook.com

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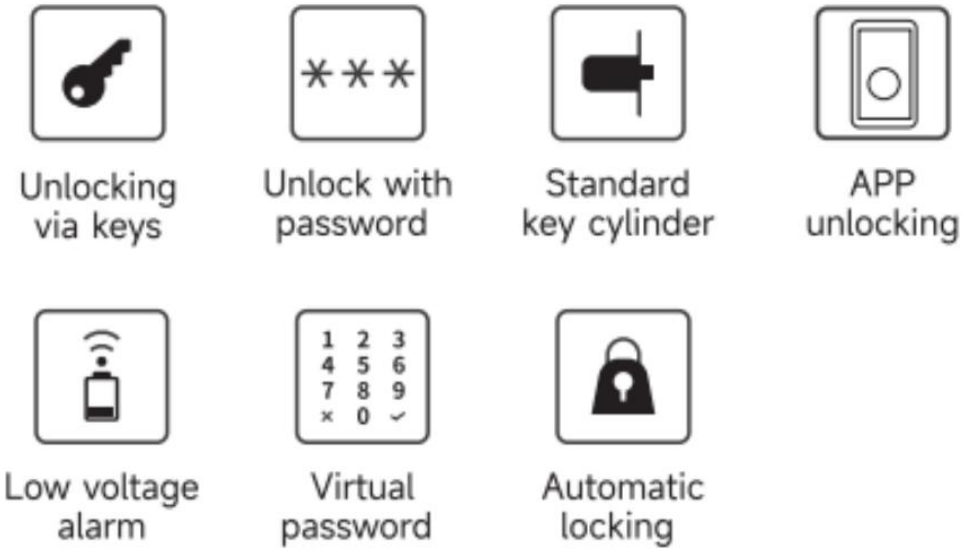
SL02 Smart Lock Installation and User Guide

I. Overview of Smart Locks

1.1 Features and Advantages

They also use encrypted wireless technologies like Wi-Fi or Bluetooth for secure remote control and real-time monitoring. WiFi-enabled locks, in particular, offer convenience with a power-saving mode that enhances security. They allow remote temporary password authorization for guests and enable password changes or access revocation via a mobile app, greatly improving user experience. As Bill Gates said, "The future of home control will be through smart devices, and smart locks are the starting point of this vision."



1.2 Types of Smart Locks and Selection

Tips When choosing a smart lock, consumers face a variety of options, from basic password locks to advanced facial recognition and remote-controlled locks, each with unique features and applications. For example, password locks are suitable for those with good memory, while pass-code locks offer convenience for family members. Pass-code + WiFi locks, with their high-tech biometric security and difficulty to replicate, are preferred by those seeking the utmost safety. Distance from home is no longer a barrier to access. When selecting a smart lock, consider your needs, family habits, security, ease of use, compatibility, and budget. As Steve Jobs said, "Design is not just about how it looks and feels; design is about how it works." Choose a smart lock that not only has an appealing design but also meets the dual needs of home security and convenience.

II. Preparations for Installation

2.1 Check Door Size and Thickness

Measuring your door's dimensions and thickness accurately is essential for installing a smart lock. The door must align with the lock's specifications for proper installation and functionality. For example, a door less than 35mm thick may not allow the bolt to extend fully, affecting security. Thicker doors might require special tools or accessories. Consult the manufacturer's size guide to ensure compatibility with your door. As Louis Sullivan noted, "Form follows function," the lock's design should match your door's size and thickness for optimal security and convenience. Note: This lock is suitable for wooden doors ranging from 35 to 55mm in thickness.

2.2 Ensure Power and Network Connectivity

Having a reliable power source and network connection is crucial for your smart lock. We include an installation guide to help you measure door thickness and verify compatibility with the SL02. Slide the guide through the door hole to check suitability. The SL02 is designed to work with over 95% of U.S. wooden doors, with thicknesses from 35 to 55mm, ensuring easy installation. For a smooth experience, reach out to our official email for support if needed.

Smart locks depend on Wi-Fi for connectivity, so a stable network near the installation site is necessary. A smart home device survey showed 30% of users faced connection issues, emphasizing the need for pre-installation network testing. Use a Wi-Fi signal strength tester to confirm adequate coverage. As Steve Jobs said, "Technology is about integration into life." Power and network availability are key to smart lock integration. Verify your Wi-Fi conditions before installation

2.3 Download the Smart Life App

Please use your smartphone to search for and download the Smart Life App from Google Play or the Apple App Store. The operation of the smart lock is controlled via the mobile app. Rest assured, your information will be securely stored locally. Passwords data set on the lock will not be uploaded to the network. The core functions of the network include: generating one-time passwords, setting passwords for specific time periods, adding or removing administrators and users, recording entry and exit times, and remote one-touch locking and unlocking. It is our honor to protect the security of your home's entrance, and we look forward to providing you with a satisfactory user experience. Start your journey towards a smarter life with us.

III. Hardware Components of the Smart Lock

3.1 Introduction to the Main Structure of the Lock

The main structure of a smart lock forms its core, combining mechanical functions with an electronic control unit for enhanced security and convenience. A leading example, the SL02, includes a lock body, lock core, transmission mechanism, and electronic control module. The body is crafted from high-strength alloy, tested for over 100,000 cycles to ensure long-term durability. The lock core adheres to the C-grade standard, the highest level of security, effectively defending against physical intrusions like prying and drilling.

SL02's electronic control module features a sophisticated microprocessor and encryption technology. Linked to a mobile app, it permits remote operations such as granting temporary access via passwords and monitoring lock status. It supports a variety of authentication methods, including password entry, and app control entry, significantly boosting user convenience and security.

Echoing Edison's words, "Invention is one percent inspiration and ninety-nine percent perspiration," the smart lock's main structure is a testament to this spirit of innovation, constantly refined to deliver a safer and more convenient solution.

3.2 Explanation of Electronic Keys

Electronic keys and cards are pivotal for the smart lock's convenience and security. They employ encryption to ensure each unlocking process is unique, significantly enhancing security. The SL02 utilizes AES-128 encryption, creating a unique key for each unlock, with a theoretical 2^{128} possible combinations, making it nearly impossible to crack. These keys and cards also simplify temporary access for family and guests. For instance, when guests arrive, the host can remotely generate a temporary electronic key through the app, set an expiration time, and the guest can

unlock the door by holding their phone near the lock, eliminating the need for physical keys and reducing security risks from lost or copied keys.

IV. Detailed Installation Instructions

4.1 Removal of Old Lock and Door Lock Alignment

Removing the old lock is a critical step in the installation of a smart lock, requiring precise measurement and a deep understanding of the door's structure. According to the American National Standards Institute (ANSI) standards for lock installation, door thickness typically ranges from 35mm to 55mm, and the mounting holes for the new lock must align precisely with the old ones to ensure stability and security. When removing the old lock, use appropriate tools such as screwdrivers and hammers to avoid unnecessary damage. Once the old lock is safely removed, door lock alignment becomes crucial. Use the provided installation guide to assist with this process.

Door lock alignment requires accurate measurement to ensure the new lock's center line aligns with the door's center line, affecting both aesthetics and functionality. Install the lock body at the golden ratio point on the door for optimal visual and functional balance. Additionally, consider the door's material and thickness to ensure the new lock integrates seamlessly, providing solid support and security.

4.2 Installation of the Lock Body and Panel

Accurately installing the lock body and panel is key to ensuring the security and convenience of the smart lock. First, the lock body must be installed considering the door's thickness and size to ensure smooth operation of the bolt. For standard wooden doors between 35mm and 55mm thick, the lock body typically requires a clearance of at least 60mm to 70mm from the door edge to the lock center. Use

precise measuring tools like digital calipers to ensure a proper fit and prevent functional issues due to size discrepancies.

Next, the panel installation affects the user interface's intuitiveness and ease of use. The panel should be designed with simplicity, featuring easy-to-operate buttons or a touchscreen, and durability. For example, a panel made of scratch-resistant material can extend the smart lock's lifespan. Ensure all indicators and buttons are within easy reach to enhance user experience. Aesthetics should also be considered to match the door's style and color, integrating with the home's overall design.

Follow the manufacturer's detailed installation guide to ensure each screw is tightened to the correct torque to prevent loosening or detachment. Perform functionality tests to ensure the lock operates correctly post-installation. As Edison said, "Success is 1% inspiration and 99% perspiration," the installation of a smart lock requires meticulous work and continuous testing to ensure quality.

4.3 Power Connection and Network Setup

Connecting the power and setting up the network are vital steps for the smart lock's operation and remote control functionality. First, insert four AA batteries, and the lock is ready for use upon installation.

Tips On Battery Selection:

1. Opt for rechargeable batteries, purchasing eight in total. Benefit: Use four, and when they run out, you can swap them for recharge and rotate. If you choose disposable batteries, check the production date; avoid those over six months old as they may discharge over time, leading to rapid power drain.
2. Emergency charging: The front door panel has a TYPE-C port for emergency power. This port is not for long-term charging but serves as a temporary solution for lock

access when the batteries die. You can use a power bank for temporary access, eliminating worries about being locked out due to dead batteries.

Setting up network connectivity is key for remote control and smart integration features. The smart lock typically connects to a home network via Wi-Fi, requiring a stable 2.4GHz/5GHz wireless connection. During setup, you may need to initiate pairing mode via the mobile app and physical buttons on the lock(Refer to the app manual for specifics).

Firstly, physical button operation: **1# → enter or set admin password → 1# Administrator Settings → 3# → Wifi Connection**

Secondly, mobile Smart Life app operation: After activating the physical buttons, open the Smart Life APP, click 'Add Device,' search for the smart lock, and pair. During pairing, enter the Wi-Fi name and password for your home or current network environment.

Ensure network stability and security. It's recommended by cybersecurity experts to connect the smart lock to a guest network rather than the main home network to minimize security risks. The network setup should include password protection and encryption to prevent unauthorized access. As cybersecurity expert Bruce Schneier said, "Security is not a product, but a process." Therefore, when setting up the network, continuously monitor and update the lock's firmware to address new security threats and vulnerabilities.

V. Product Related Video （Scan QR Code To View Video Or Follow Up The Operational Guideline）

Auto Lock	Handle Installation
Registration & Delete User	Reset Smart Lock
Smart Door Lock Installation	Volume Setting

Dear customer, we offer the operation map to help you on setting up the WIFI door lock. And you are also welling to read page 11~17 on how to set up the smart lock.

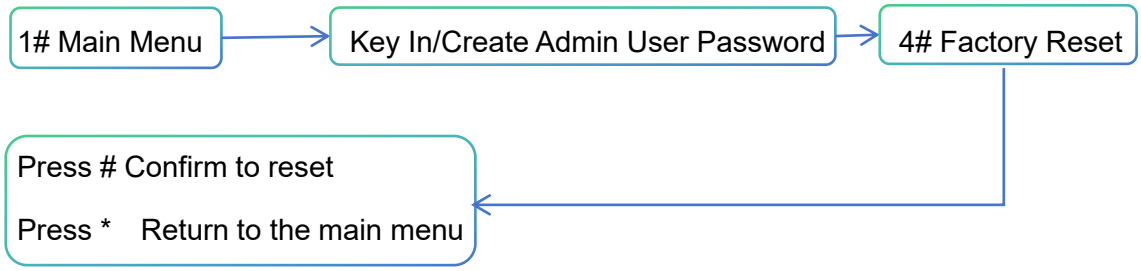
Any questions needs help please send email to:

VCHOO-INTELTECH@outlook.com

VI. Quickly Set Up

6.1 Reset Factory Setting

Method 1: Suitable for you still could remember the ADMIN CODE you set before.



Method 2:

First, ensure the door is in the unlocked state.;

Second, remove the batteries;

Third, take off the back cover of the door lock;

Fourth, reinsert the batteries;

Fifth, press and hold the RESET button on the circuit board for 10 seconds until you hear the door lock's voice prompt, indicating that the reset is complete;

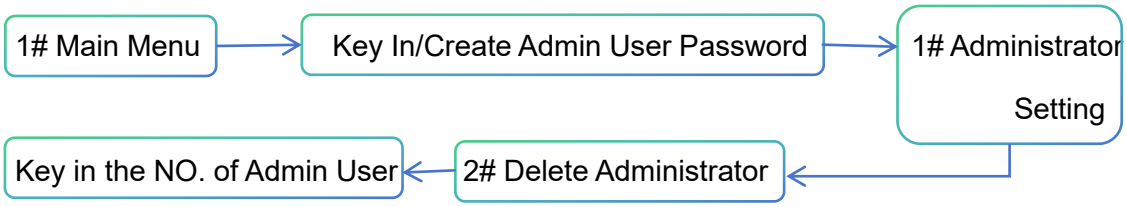
Sixth, remove the batteries again and reinstall the door lock on the door for further setup.

***Please note: These steps are somewhat complicated and should only be used when the admin code (ADMIN CODE) has been forgotten.**

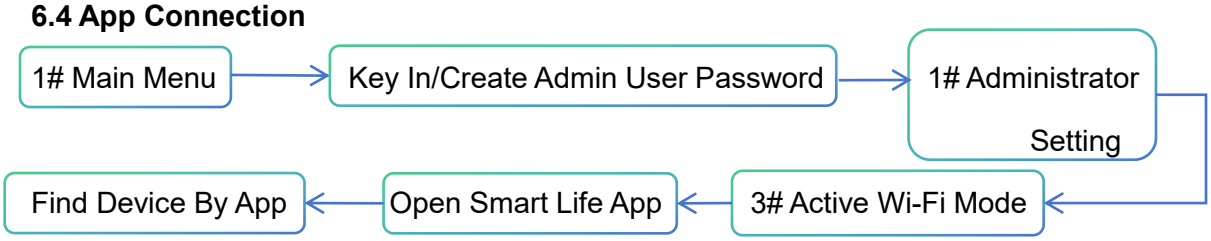
6.2 Administrator Settings

6.2.1 Add Administrator

6.3 Delete Administrator



6.4 App Connection



To connect your smart door lock to Wi-Fi, you need to activate it through both the mobile APP and the physical button on the lock:

1. First, activate the Wi-Fi pairing mode on the door lock (as shown in the flowchart above).

2. After activating the physical button on the lock, click the "+" in the Smart Life APP and select "Search for Devices."

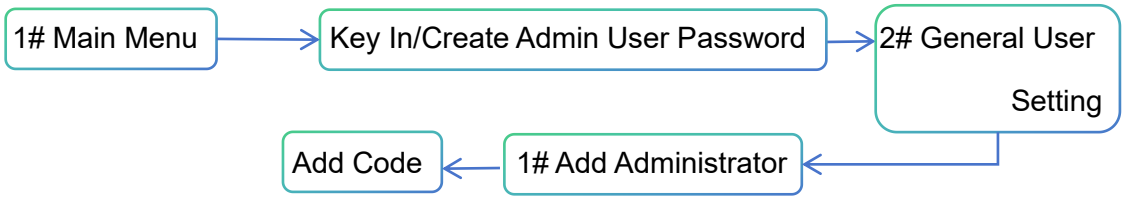
3. Click on the icon of the smart door lock that appears in the App to begin pairing.

Please note: During the pairing process, enter the Wi-Fi name and password of your environment to ensure the door lock can maintain a continuous connection to the Wi-Fi network.

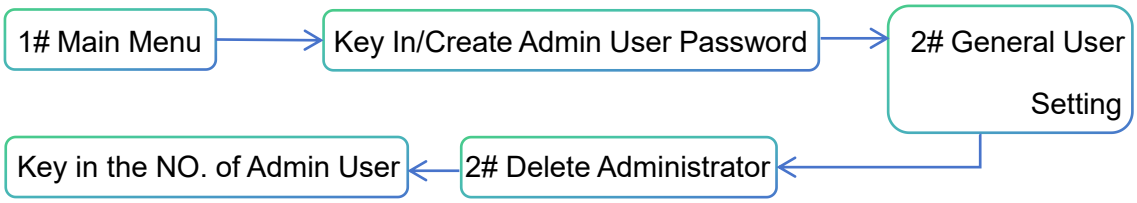
You could also find from our guideline not as follow “Smart Life Wi-Fi Smart Door Lock”, and turn to page 3~6

6.5 General User Setting

6.5.1 Add General User

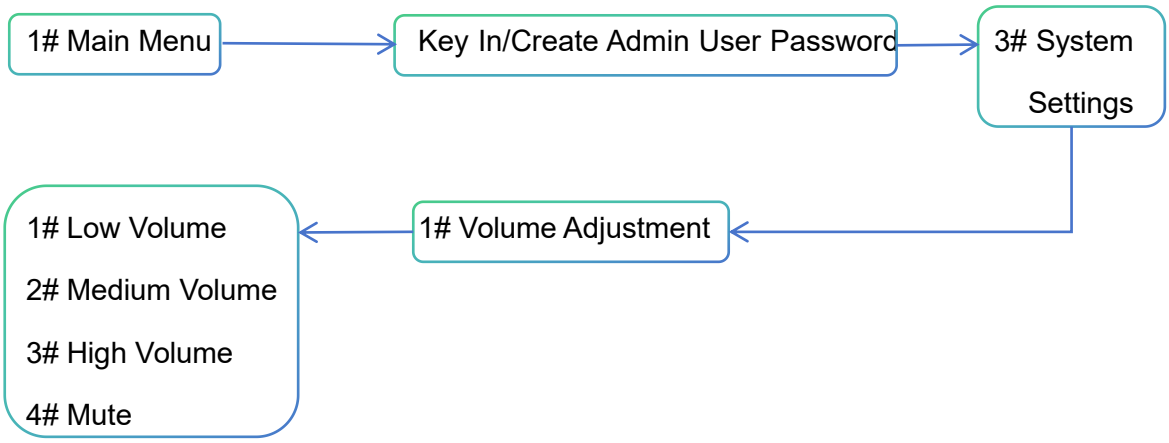


6.5.2 Delete General User

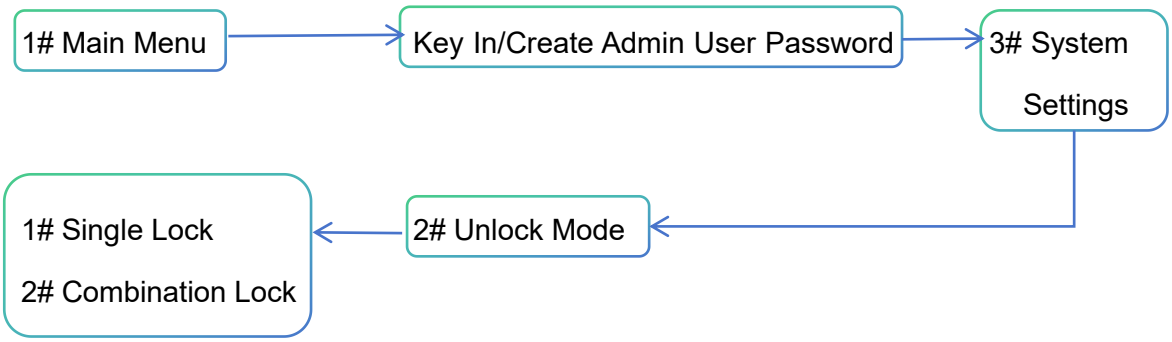


6.6 System Settings

6.6.1 Volume Adjustment



6.6.2 Unlock Mode



This unlock mode could support 2 types of unlocking methods:

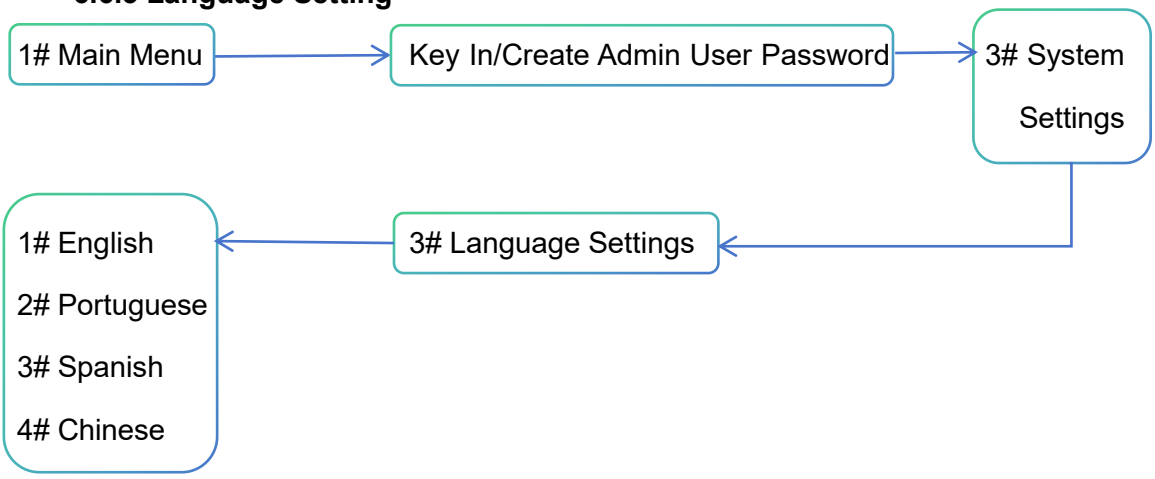
1# Single Unlock

Please note: A single keypad password method can unlock directly without the need for secondary verification.

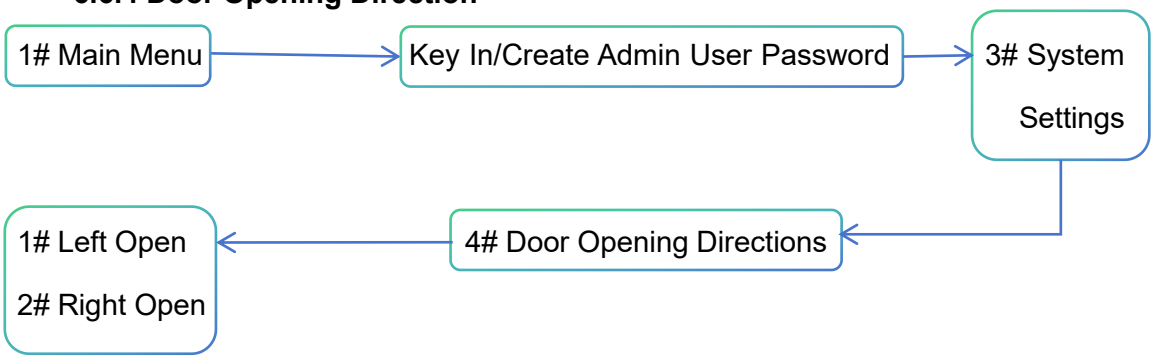
2# Combination Unlock

Please Note: Enhance the corresponding security level. Each time you open the door, secondary verification of 2 general pass codes or admin pass code is required. Combination verification is needed to open the door.

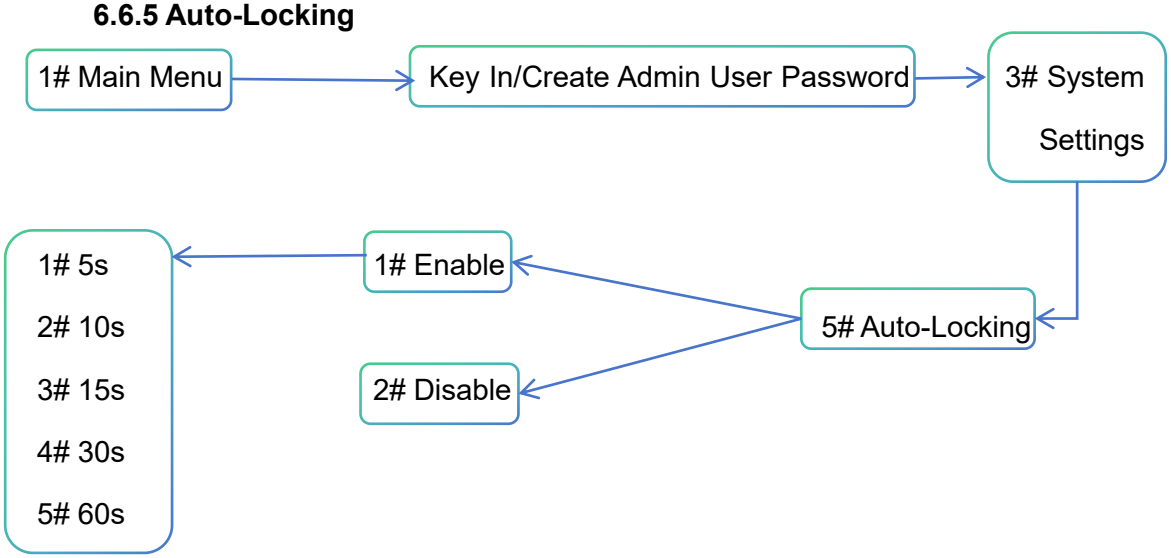
6.6.3 Language Setting



6.6.4 Door Opening Direction

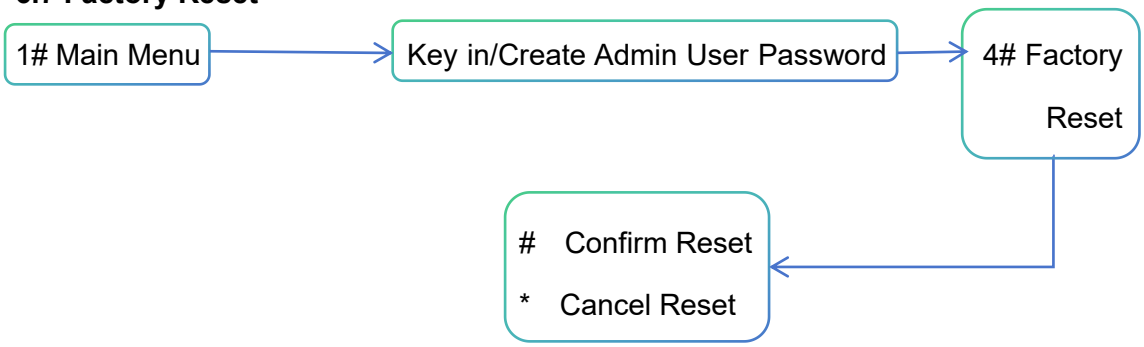


6.6.5 Auto-Locking



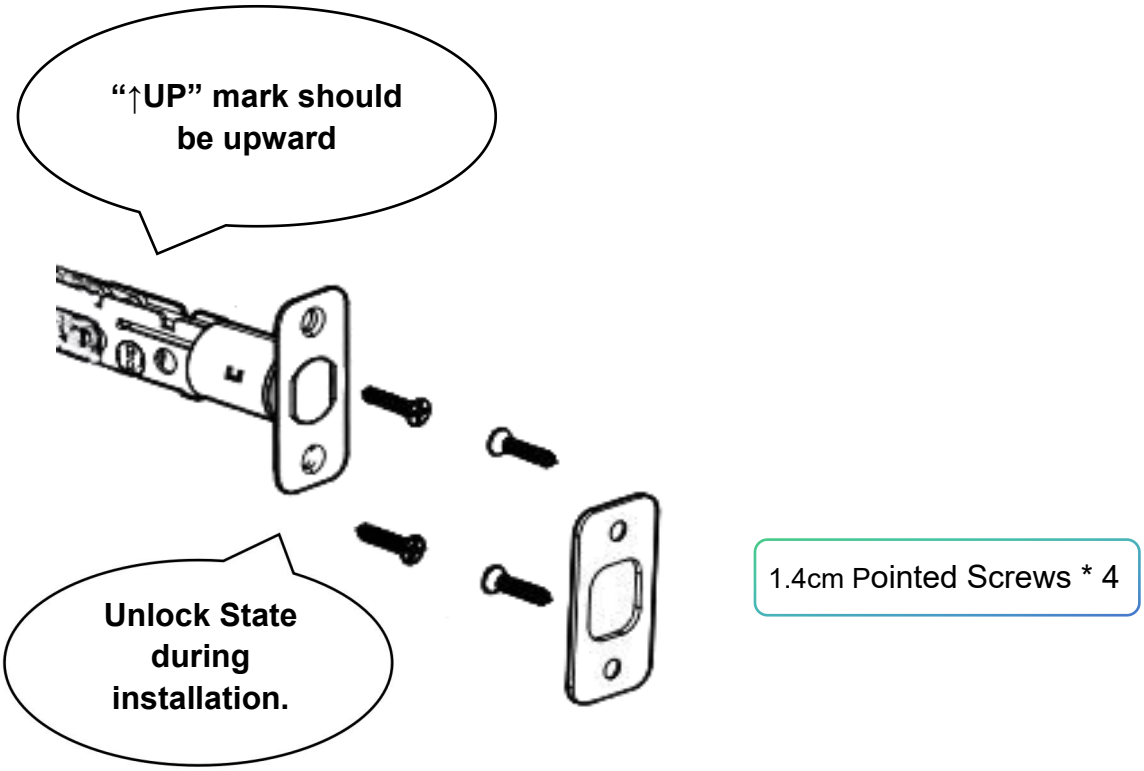
Please Note: The smart door lock comes with a 5-second automatic lock feature by default.

6.7 Factory Reset



VII. How To Install The Smart Lock

7.1 Install The lock Cylinder

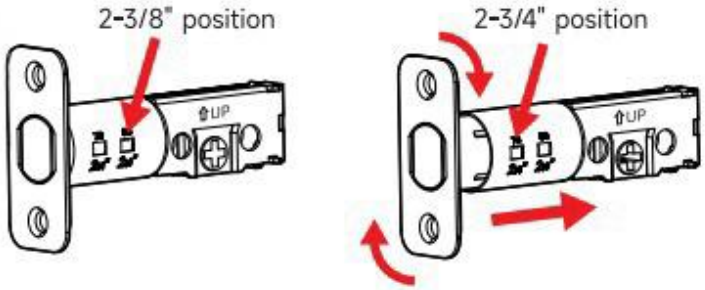


During installation, the "Up" mark on the lock cylinder should face upwards.

Please Note: The lock cylinder should be in the unlocked state.

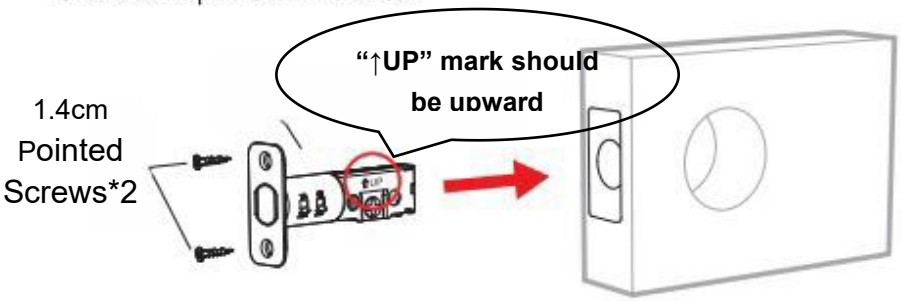
The same lock cylinder can meet the installation requirements of door thicknesses ranging from 35 mm to 55 mm by adjusting its length.

NOTE: Do not extend Cylindrical Cover past 2-3/4" (70mm)

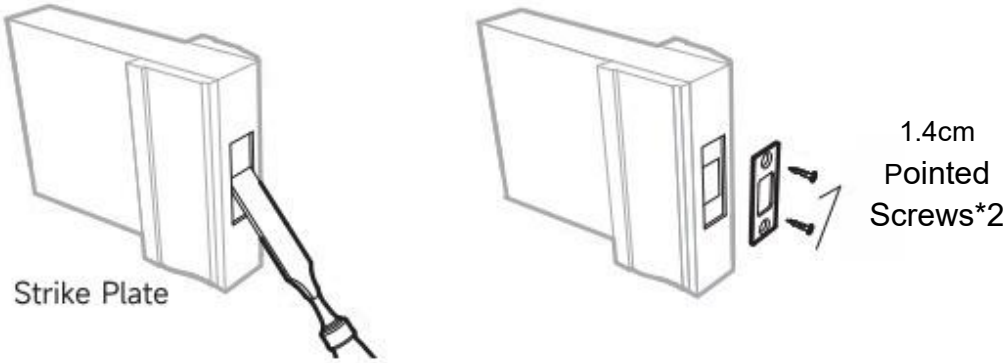


TO CONVERT FROM 2-3/8" (60mm) BACKSET
TO 2-3/4" (70mm) BACKSET

1. Hold latch with numbers facing forward and thumb pressing on the bolt.
2. Rotate the cylinder cover clockwise.
3. Pull and twist the extension plate all the way out.
4. Rotate the cylinder counter clockwise so that the marking aligns with the 2-3/4" position indicator.

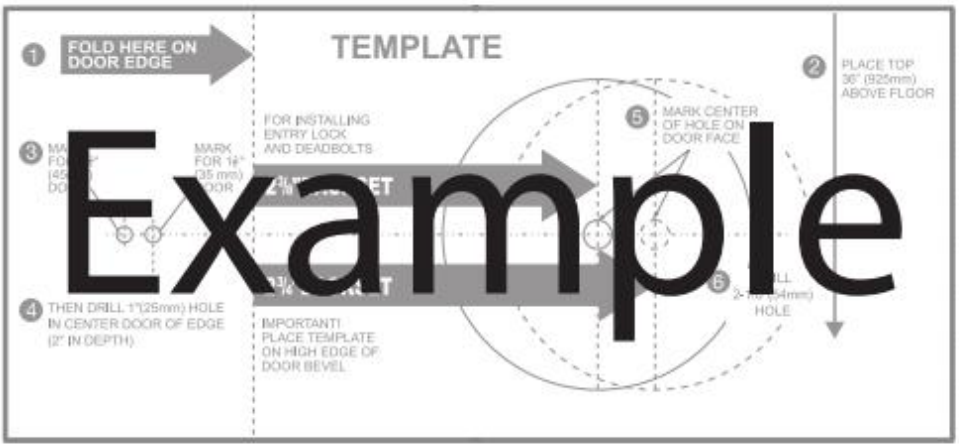


Deadbolt Latch Must Be Retracted During Installation

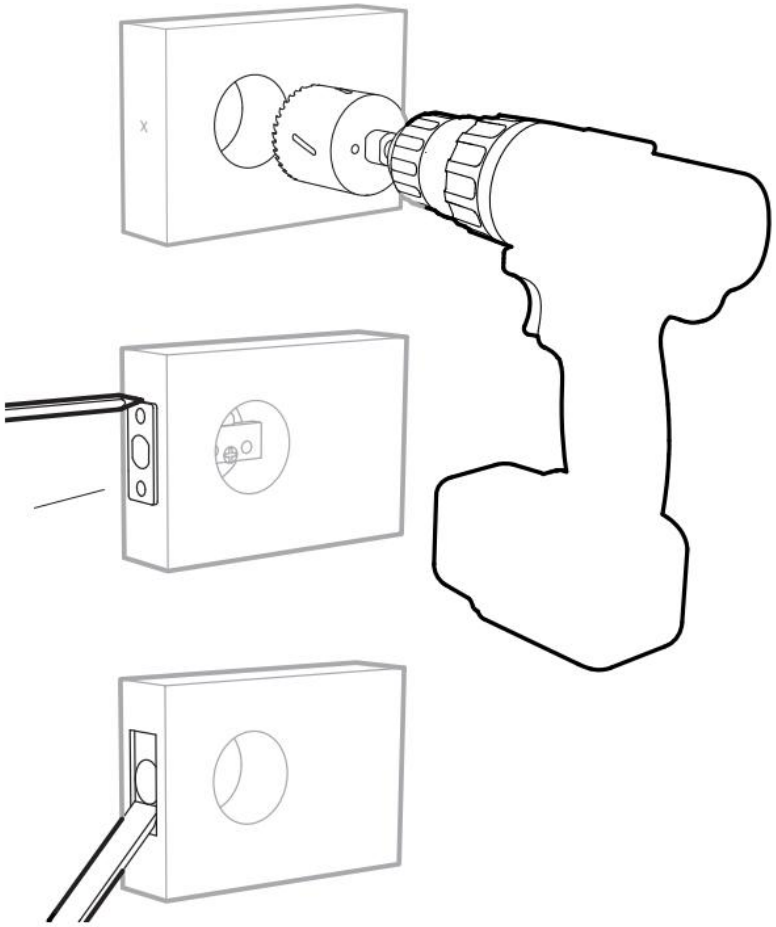


Do Not Over Tighten

Please Note: Skip this step if your door comes with pre-drilled holes.



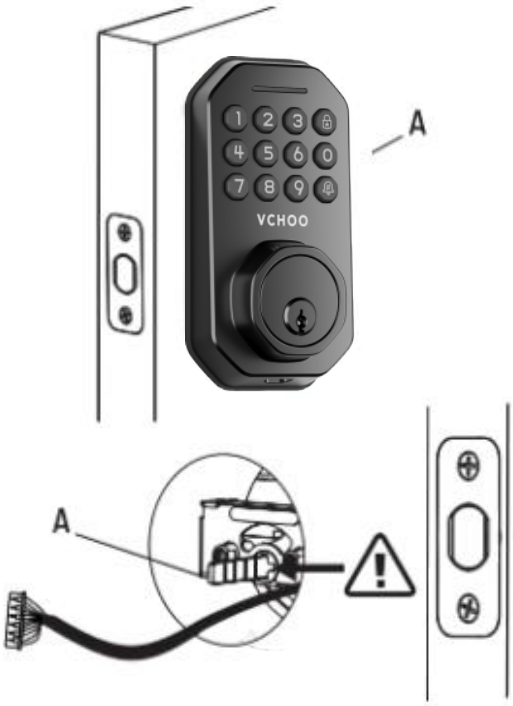
Refer to Template included for Door Prep Instructions



7.2 Precautions During Installation Process Of Smart Door Lock

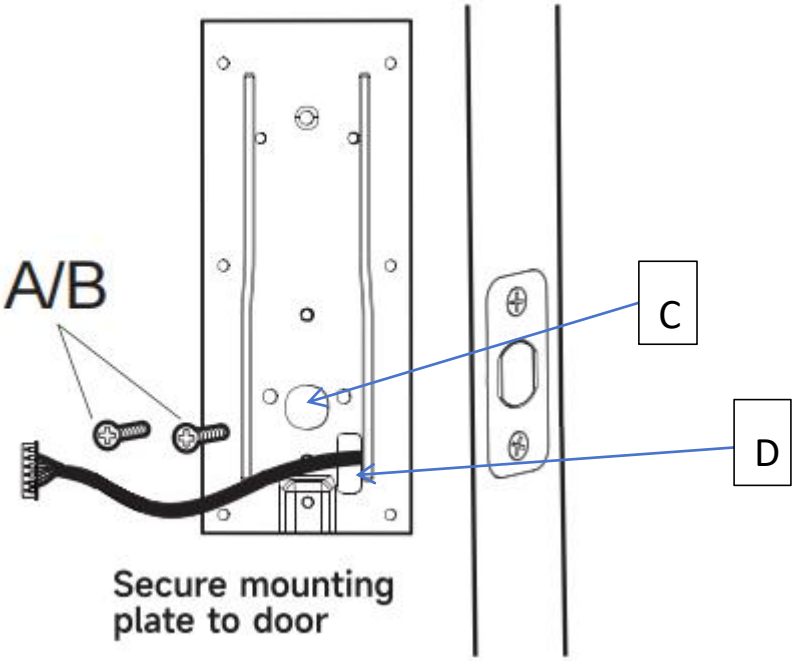
a. For a new smart lock without user registration, use the code "123456" to unlock and set your 001 admin user;
b. After registration, enter a 6-10 digit code followed by the "#" key to unlock;
c. When the battery is low, you'll hear a low battery alert and see a flashing light. Replace the batteries promptly to ensure the door can still be opened/closed approximately 200 times after the alert;
d. Avoid scratching the lock surface with corrosive or sharp objects;
e. In case of battery failure or electronic issues, use the emergency key to unlock from outside. Keep the key in a safe place;
f. After installation, keep the door open for setup and initial testing;
g. Operating temperature range: -4°F to 140°F.

7.3 Install Exterior Assembly



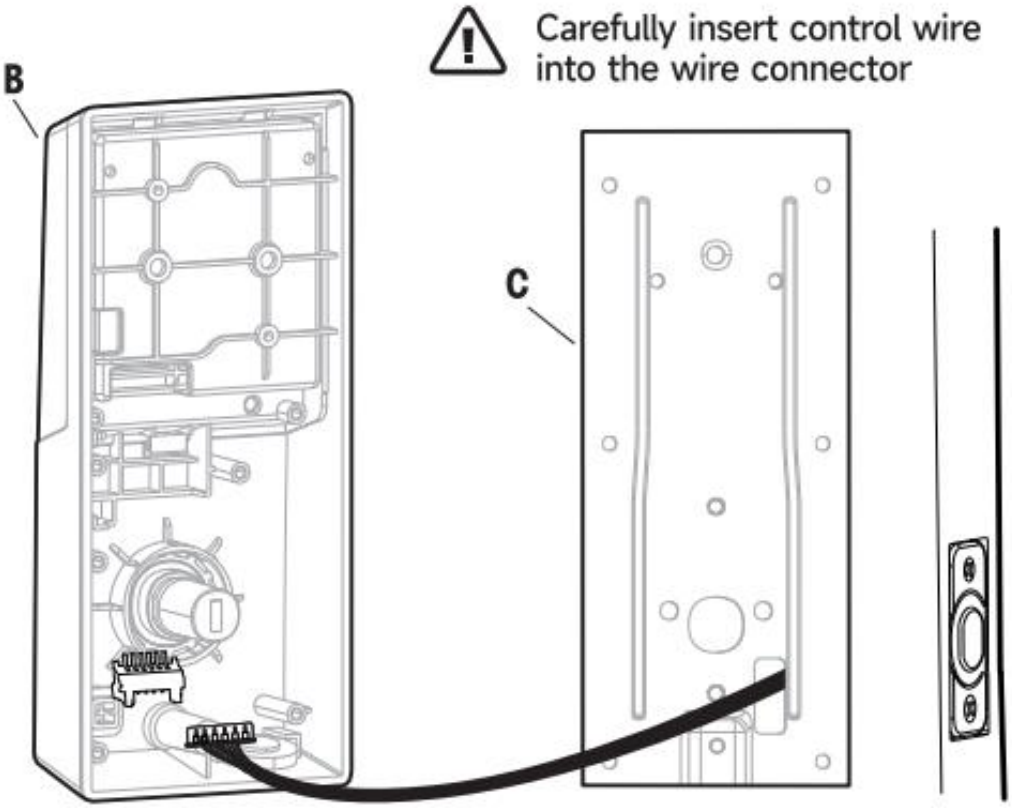
First, attach the side A of the door lock firmly to the door panel;
Secondly, insert the lock tongue (metal strip) perpendicularly through the lock cylinder which is in the unlocked state;
Finally, the power cord led out from the front shell should be passed through the bottom of the lock cylinder and then through the door panel for the subsequent installation.

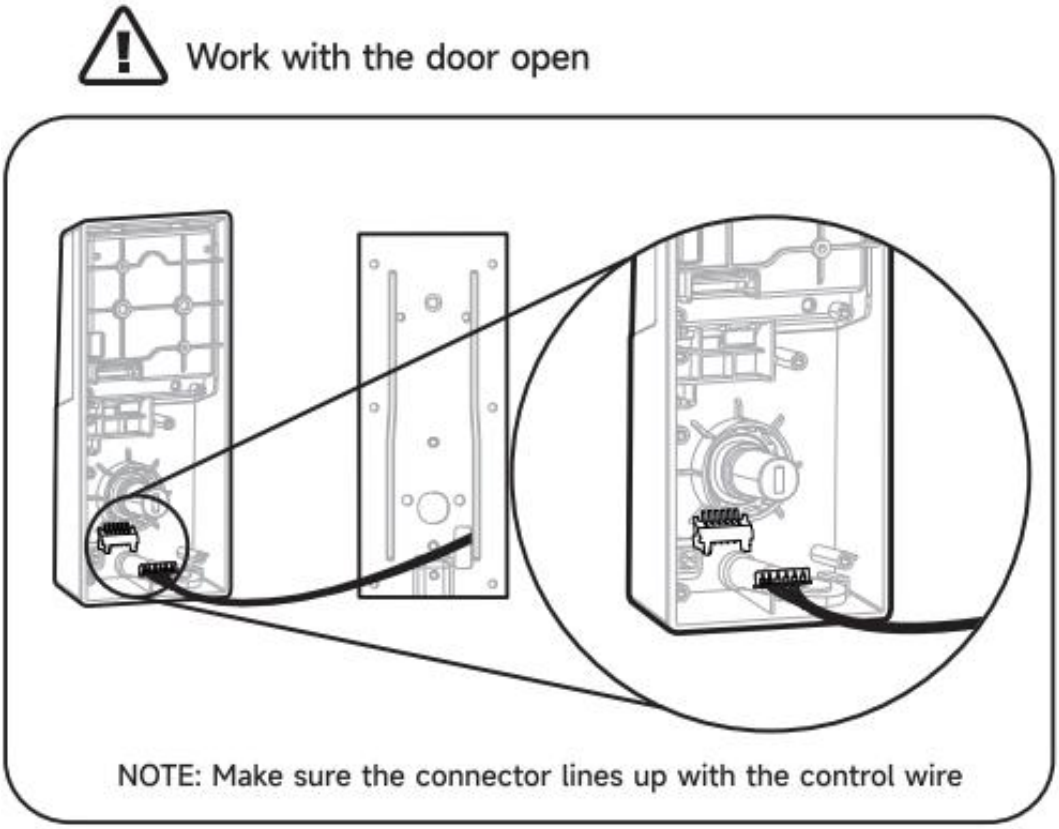
Special Note: **The lock cylinder must be in the unlocked state when allowing the lock tongue (metal strip) to pass through it vertically. Otherwise, during the use process, it will cause the door lock to misidentify and fail to function properly!**



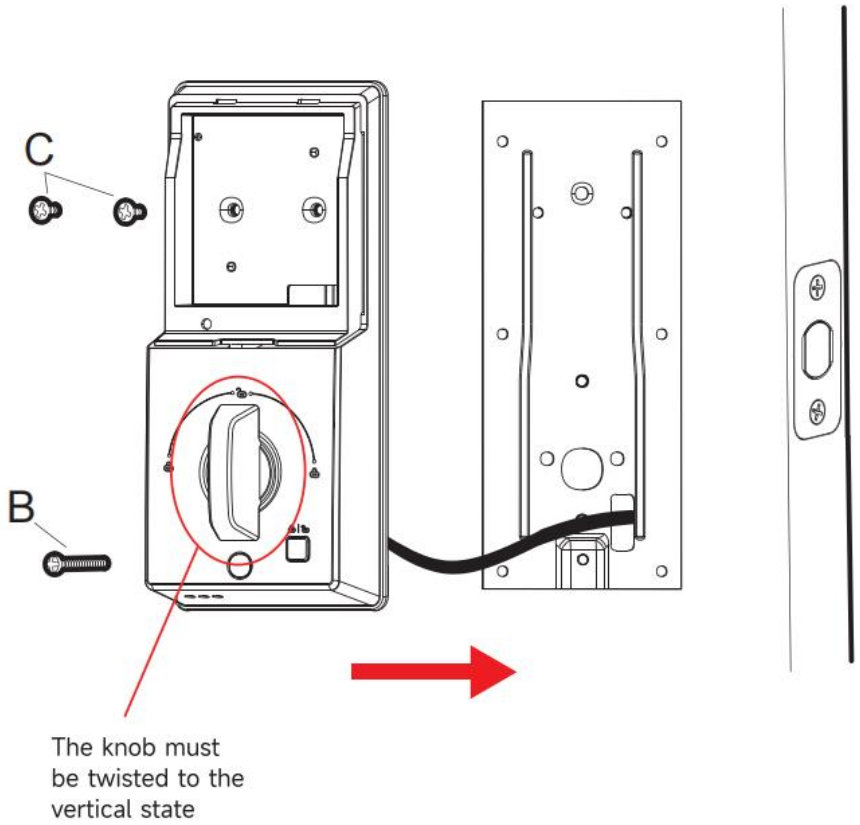
A & B: 2 connecting nails(5.8 cm long) are used to link the back plate and the front main unit, thus playing a role in stabilizing the lock body.
C: The lock tongue(metal rod) passes through there.
D: The power cord of the front main unit passes through there.

Connect the power cord as bellow:





NOTE: Make sure the Knob is in the correct position.
Be careful not to pinch the control wire when assembling.



7.4 Double Check List

Please double-check the following points:

1. Whether it is a door that unlocks on the left side or on the right side, as long as you keep the **"UP" mark** on the lock cylinder facing **upward**, you can complete the correct installation of the lock cylinder.
2. The installation should be completed with the lock cylinder in the unlocked state.
3. When inserting the lock tongue (metal strip) through the unlocked lock cylinder, make sure the lock tongue is in a vertical state.

The knob of the rear main unit should also be in the unlocked state during and after the installation.

Congratulation! Once you ensure the above points, the smart door lock could achieve automatic recognition after your installation.

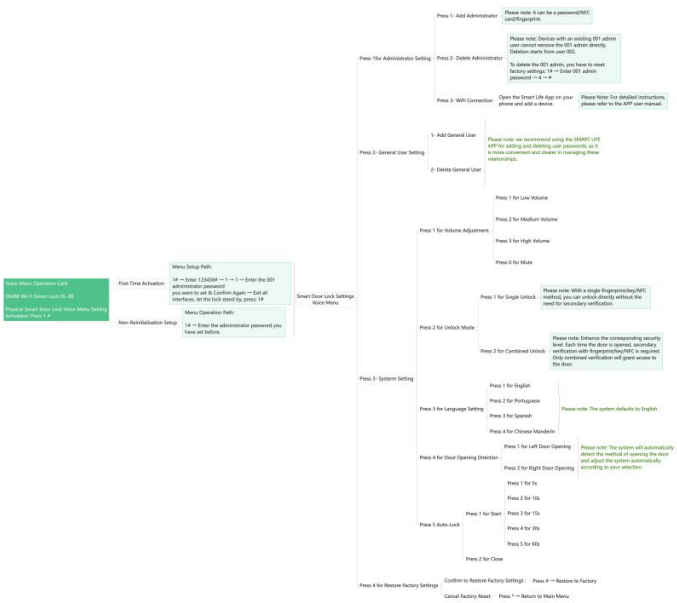
VIII. App Control Guideline

Please follow up our “WiFi Setting Guideline”.

Follow up the simple steps to finish the setting.

Or, you are also welling to review **VI. Quickly Set Up** to get more information with smart lock setting.

This "WiFi Smart Door Lock Voice Menu Operation Card" can also complete the WiFi settings.



If you encounter some difficulties when operating the APP, you only need to scan the QR code to watch the instructional video, and you will be able to find solutions. If the problem still remains unresolved after watching the video, you are welcomed to send an email to our official after-sales email address, and we will provide further assistance for you.

Official email address: VCHOO-INTELTECH@outlook.com

IX. Attention Points

9.1 Do Not Dismantle the Product

This product is composed of delicate and complex components. We strongly advise against disassembling any internal structures by yourself to prevent operational anomalies or other risks associated with use. For professional disassembly, please contact us directly.

Our official email is VCHOO-INTELTECH@outlook.com, where our professional R&D team will provide technical support.

9.2 Select the Appropriate Cleaning Method

Please clean the product with a dry cloth, and strictly prohibit cleaning with water to prevent power failures. For the touch screen surface, you may use a damp tissue for cleaning.

9.3 Handling Low or Depleted Battery Situations

9.3.1 Low Battery Notification:

When the battery is low, the product will issue a "low battery" voice prompt, and the keyboard light will flash. Please replace the battery promptly at this time.

9.3.2 Battery Out Of Power:

If the battery is out of power and you cannot unlock the door, do not be worry. You could use a mobile power bank with a TYPE-C interface for emergency power supply. After the power supply is completed, you can enter the password to unlock the door normally. Please note that the emergency power port is for temporary use only;

long-term power supply may damage the delicate components of the door lock. We recommend purchasing rechargeable 18650 batteries, which are both environmentally friendly and convenient. When purchasing batteries, please pay attention to the production date. We suggest not purchasing batteries with a production date over six months old, as batteries will self-discharge even if unused, affecting their ability to provide stable and continuous power. Under normal conditions, 4 AA batteries can support the door lock for up to 120 days of continuous use (assuming 10 lock and unlock operations per day).

9.4 Battery Replacement Steps

Open the back cover, remove the old battery, and replace it with a new one. Please be sure to pay attention to the positive and negative poles of the battery. Incorrect installation may lead to a short circuit and damage the door lock.

Thank you for your patient reading and use. We look forward to providing you with a good experience. If you encounter any problems during operation or use, please feel free to contact us via our official email.

Thank you for your trust and support, and we wish you a pleasant life!

VCHOO Team

Official E-mail: VCHOO-INTELTECH@outlook.com

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement
To maintain compliance with FCC'S RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.