

User Installation Manual

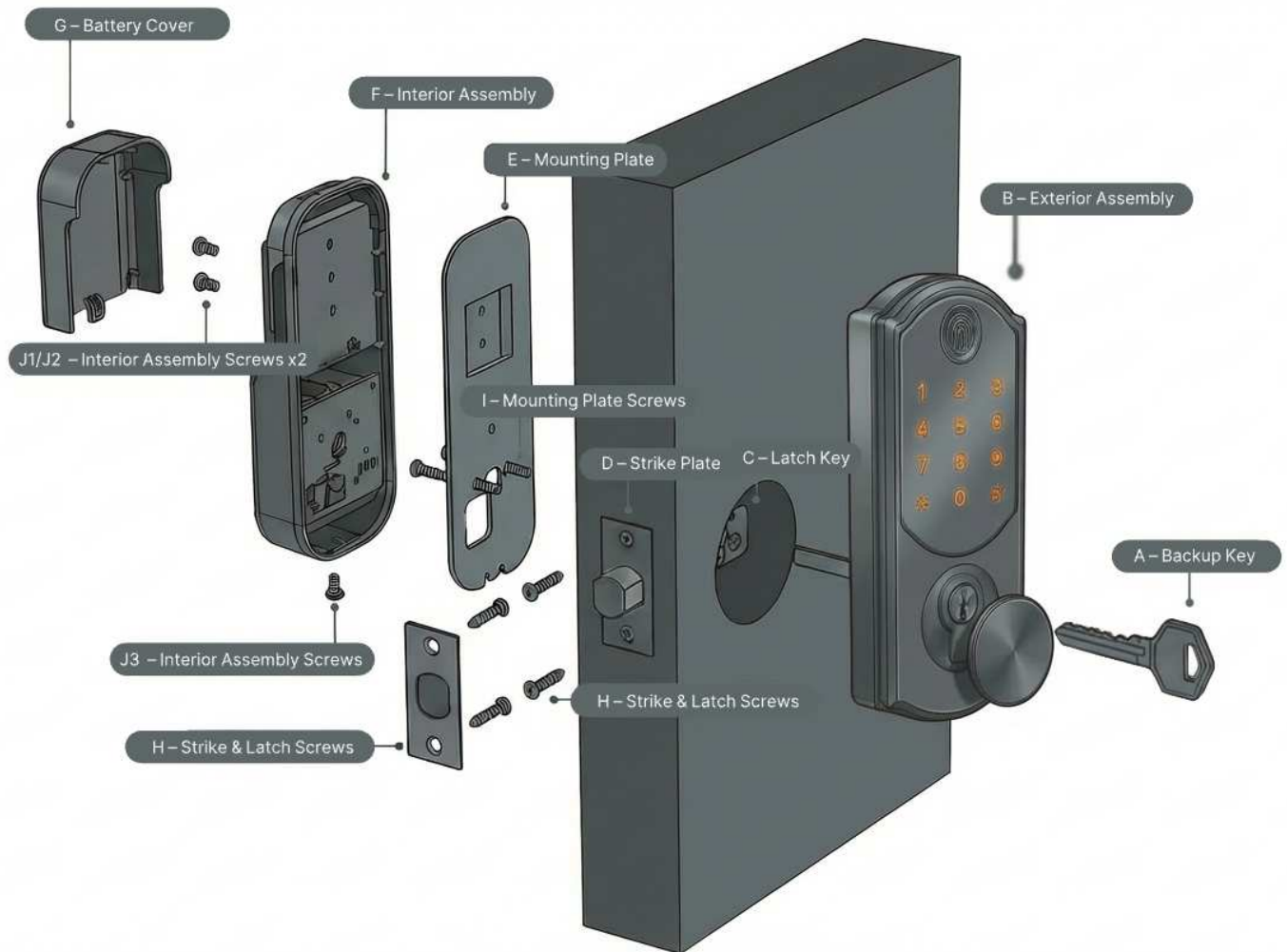
Model: RA-7



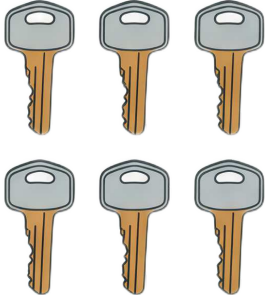
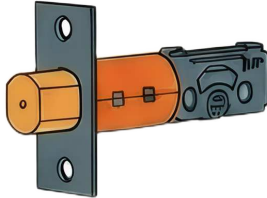
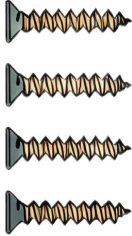
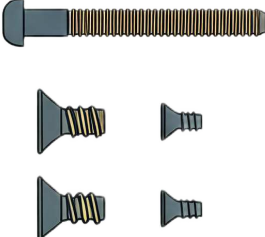
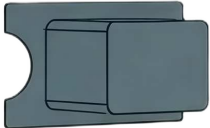
Thank you for your purchase. Please read this manual in full before use. All images are for reference only.

RK After-Sales Support: RUIKANGPOWER_service@outlook.com

Installation & Setup



Parts List

A – Backup Key x6 	B – Exterior Assembly x1 	C – Latch x1 	D – Strike Plate x1 
E – Mounting Plate x1 	F – Interior Assembly x1 	G – Battery Cover x1 	H – Strike & Latch Screws x4 
I – Mounting Plate Screws x2 	J1 – Interior Assembly Screws x1 	J2 – Interior Assembly Screws x1 	J3 – Interior Assembly Screws x1 
N – Spare Screws x5 	O – Cylinder Protector x1 		

Installation Instruction of Door Lock



NOTE:

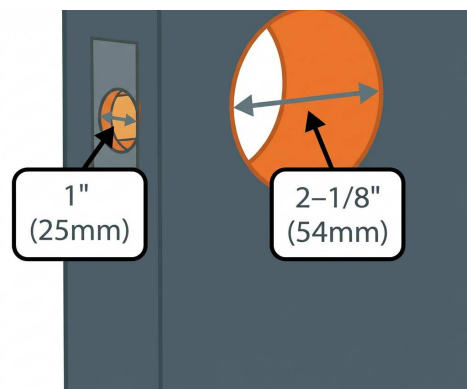
Note: The lock must be fully installed before inserting any batteries.

1 Preparing the Door & Verifying Dimensions

1

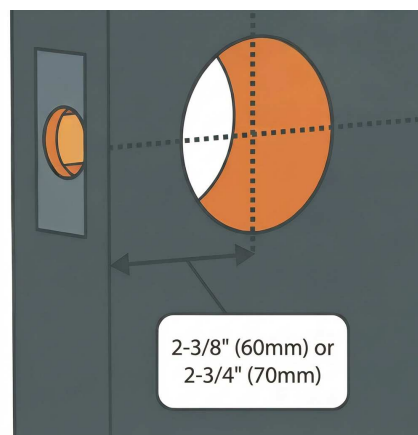
Measure the door face hole to confirm it is 2-1/8" (54mm) in diameter.

Measure the door edge hole to confirm it is 1" (25mm) in diameter.



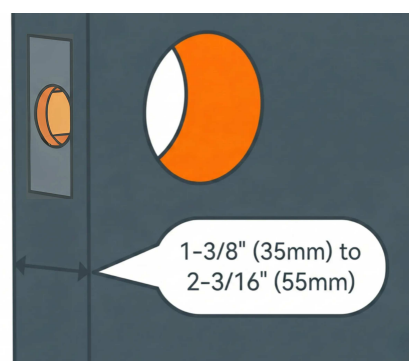
2

Measure to verify the backset (distance from door edge to hole center) is either 2-3/8" (60mm) or 2-3/4" (70mm).



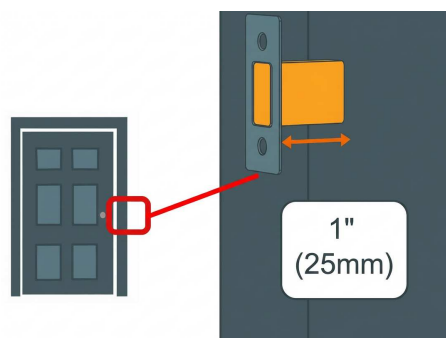
3

Measure to ensure the door thickness ranges from 1-3/8" (35mm) to 2-3/16" (55mm).



4

Confirm the pre-drilled hole in the door frame has a minimum depth of 1" (25mm).

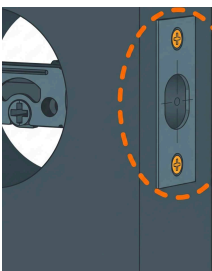


2 Mount the Latch and Strike Plate

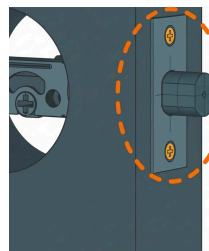
A Determine Backset and Adjust the Latch



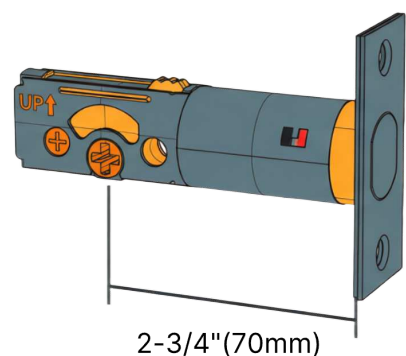
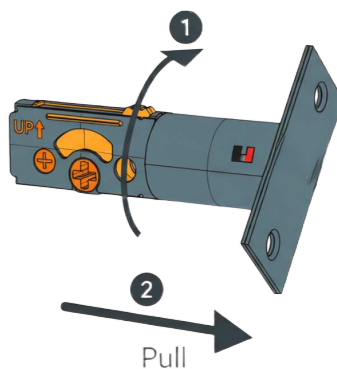
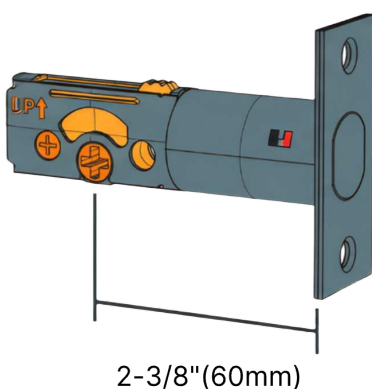
1. Position the latch: Hold it against the door edge hole, making sure its face sits flush with the door edge.
2. Check alignment: Verify that the slotted hole on the latch is centered with the corresponding hole on the door face.



✓
No adjustment is needed. Proceed to the next step.

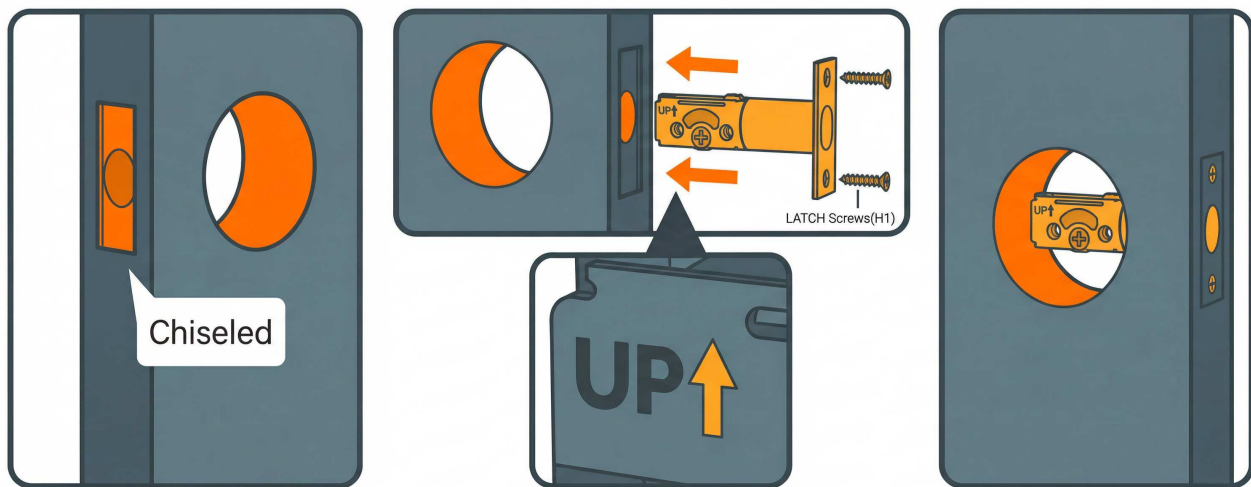


✗
Slotted hole is NOT centered. Rotate and pull the latch (as illustrated) to extend the latch body until alignment is

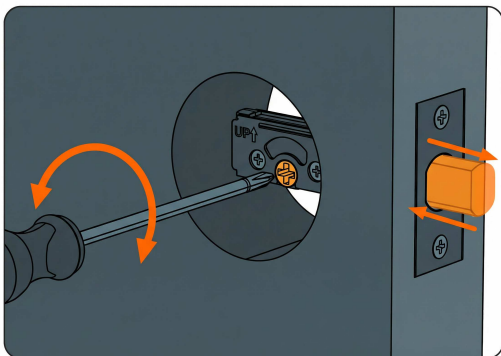


If rotation is blocked or difficult, please try to manually press the bolt to retract it before attempting to rotate.

B Confirm Backset and Adjust the Latch

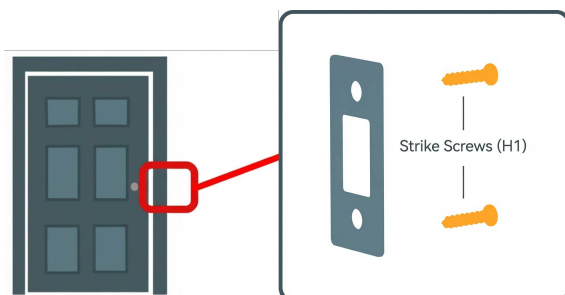


C Check and Test Deadbolt Operation



Use a screwdriver/key to test whether the deadbolt operates smoothly(no jamming or resistance).achieved.

D Attach the Strike Plate to the Door Frame



Align the strike with the pre-drilled hole in the door frame. Secure the strike using the provided Strike Screws (H1).



NOTE:

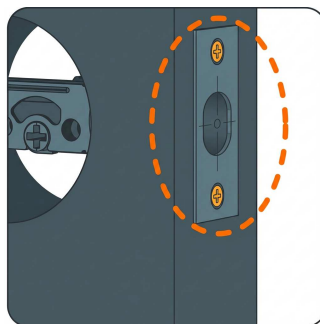
Ensure the pre-drilled hole in the door frame depth = 1" (25mm). This prevents the deadbolt from binding and ensures proper

3 Install the External Housing

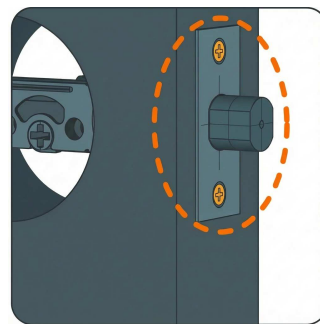


NOTE:

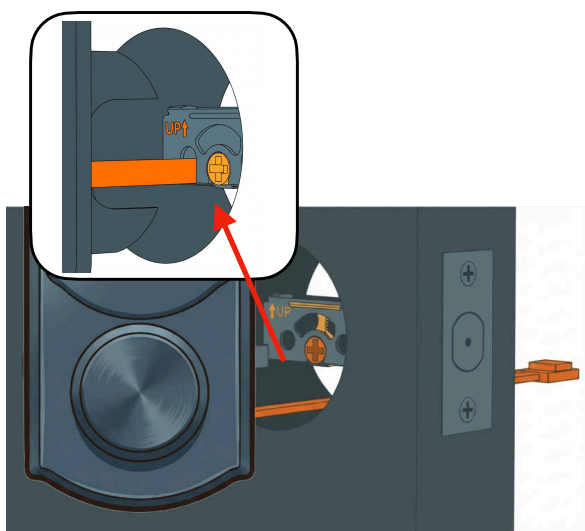
The latch must be fully retracted (unlocked) before beginning installation.



Unlocked

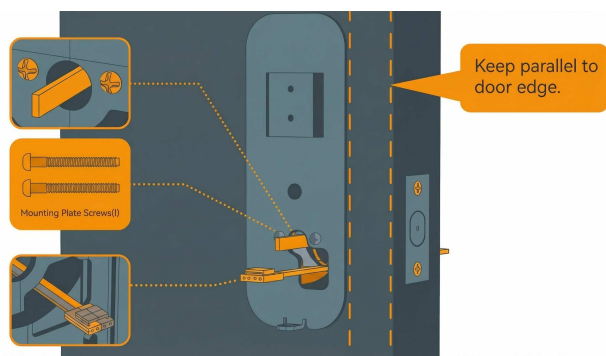


Locked



A

Ensure the latch is fully retracted (unlocked); thread the cable below latch; and insert the torque blade vertically through the slot in the latch (see illustration).



B

Install the mounting plate using the screws included in the kit.

4. Installation of the Interior Assembly

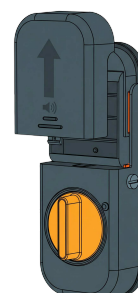
A

Push the battery cover outward in the direction as illustrated.

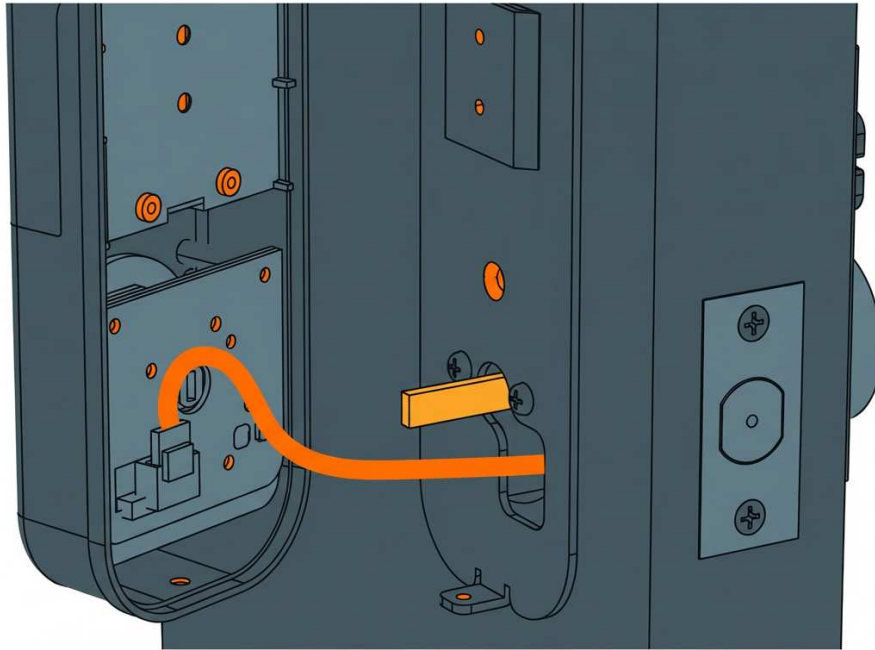


NOTE:

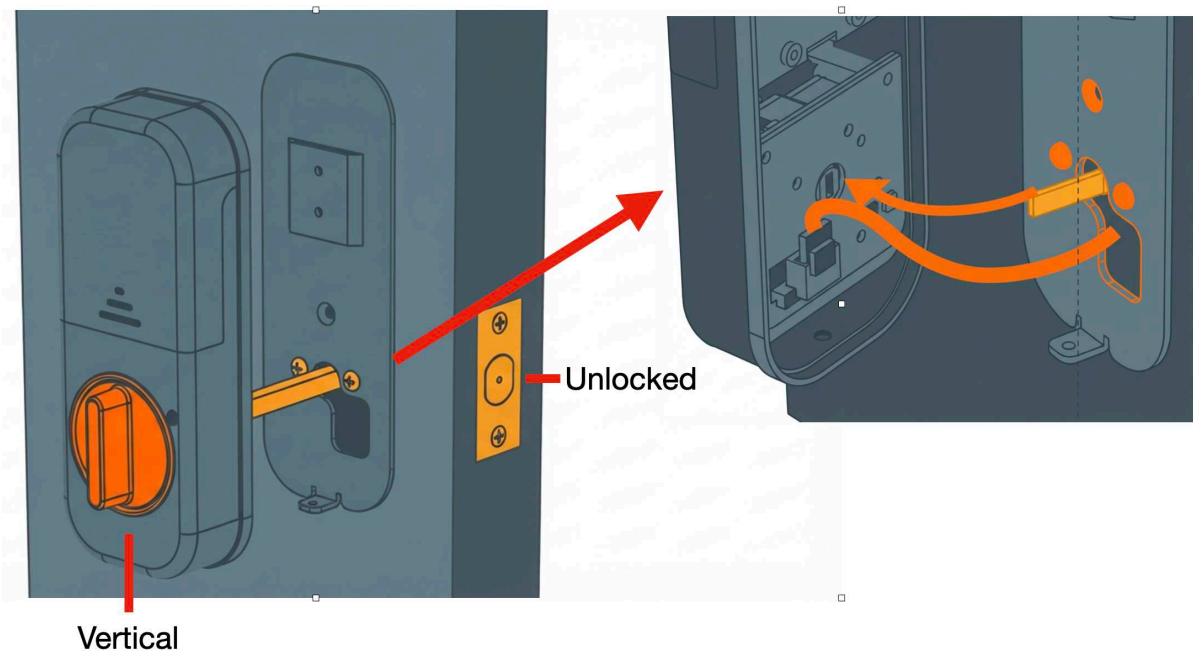
Do not install batteries until the lock is securely in place.



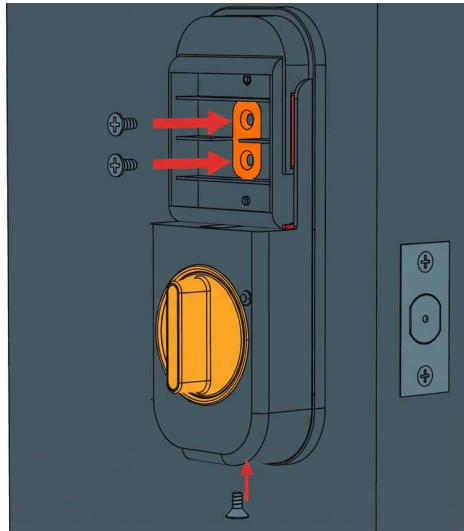
- B** Align the cable connector with the socket on the interior assembly, then push it firmly until it clicks or is fully seated.



- C** Before installing the interior assembly, ensure the thumb turn is in the vertical position.



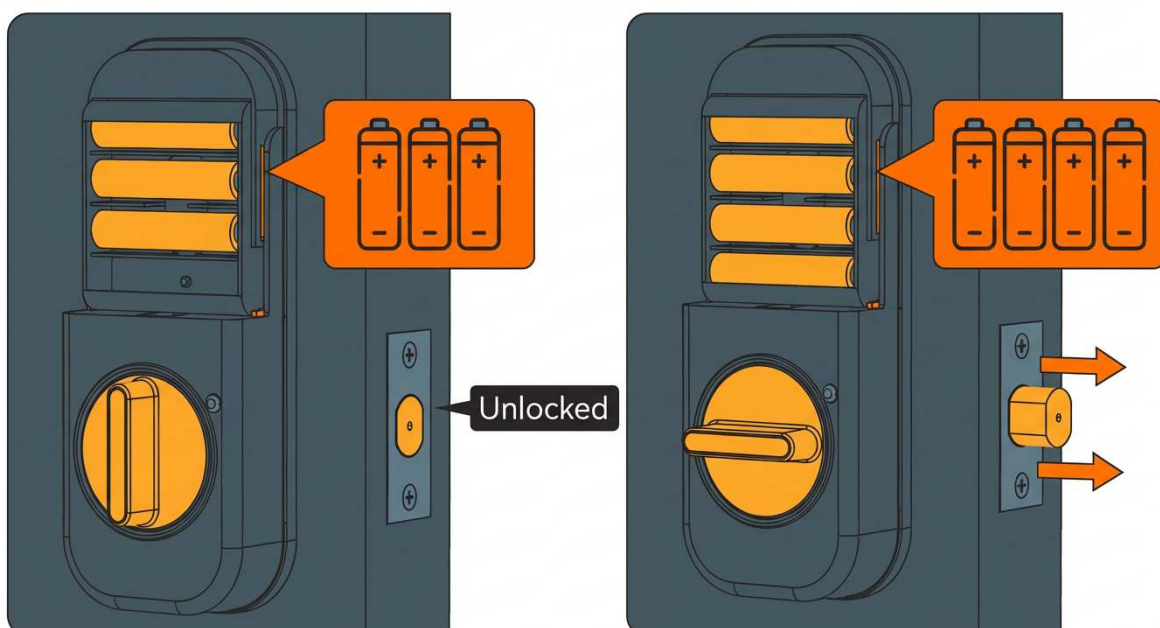
- D** Position the interior assembly onto the mounting plate and secure it by tighten 2 screws.



5. Detect Left/Right-Hand Door Compatibility

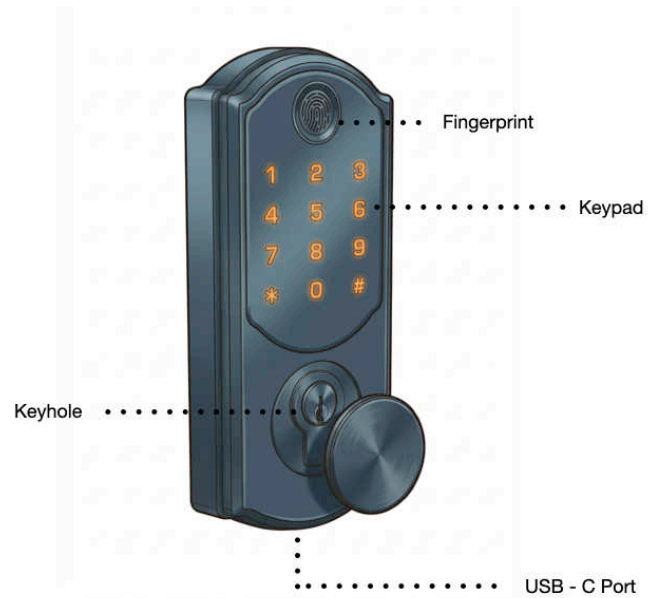
- A** Install the four 4AA batteries only when the door is confirmed to be open and unlocked.

- B** Once the lock is powered on, the latch bolt automatically extends to determine the door's handing (left or right).

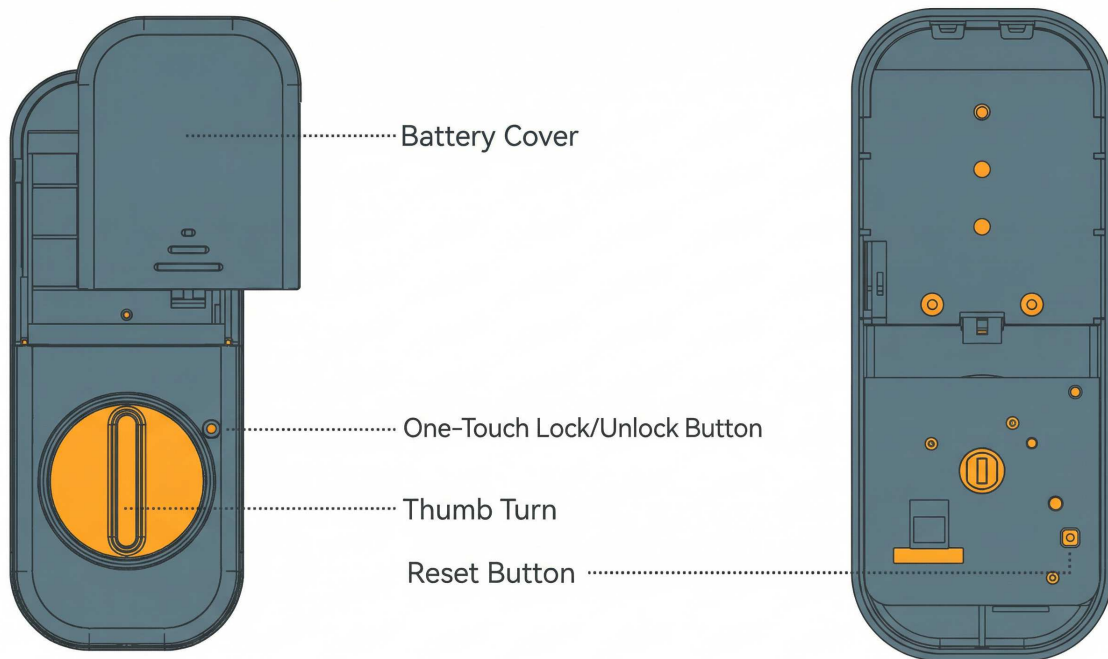


Programming Instructions

A Exterior Assembly



B Interior Assembly



Programming Guide



NOTE:

Press and hold the "Reset Button" until you hear a 6-second tone. Once the "Unlock button" lights red, means the lock is reset and ready for password setup.

1. Master Code

- Code Format: 6-10 digits
- Default Code: 123456 (factory preset)

2. User Code

- Total Capacity: 100 Fingerprint Passwords+100 User Codes (each 6-10 digits)
- Flexible Management: Single User Codes are managed individually: add them one by one, or delete the User Code ID (e.g., 003).

3. Anti-Peep Passcode

- Purpose: Prevent password theft by observers.
- Enter your real passcode surrounded by up to 18 random digits before and/or after it. This hides your actual code from onlookers.

Quick Setup Guide



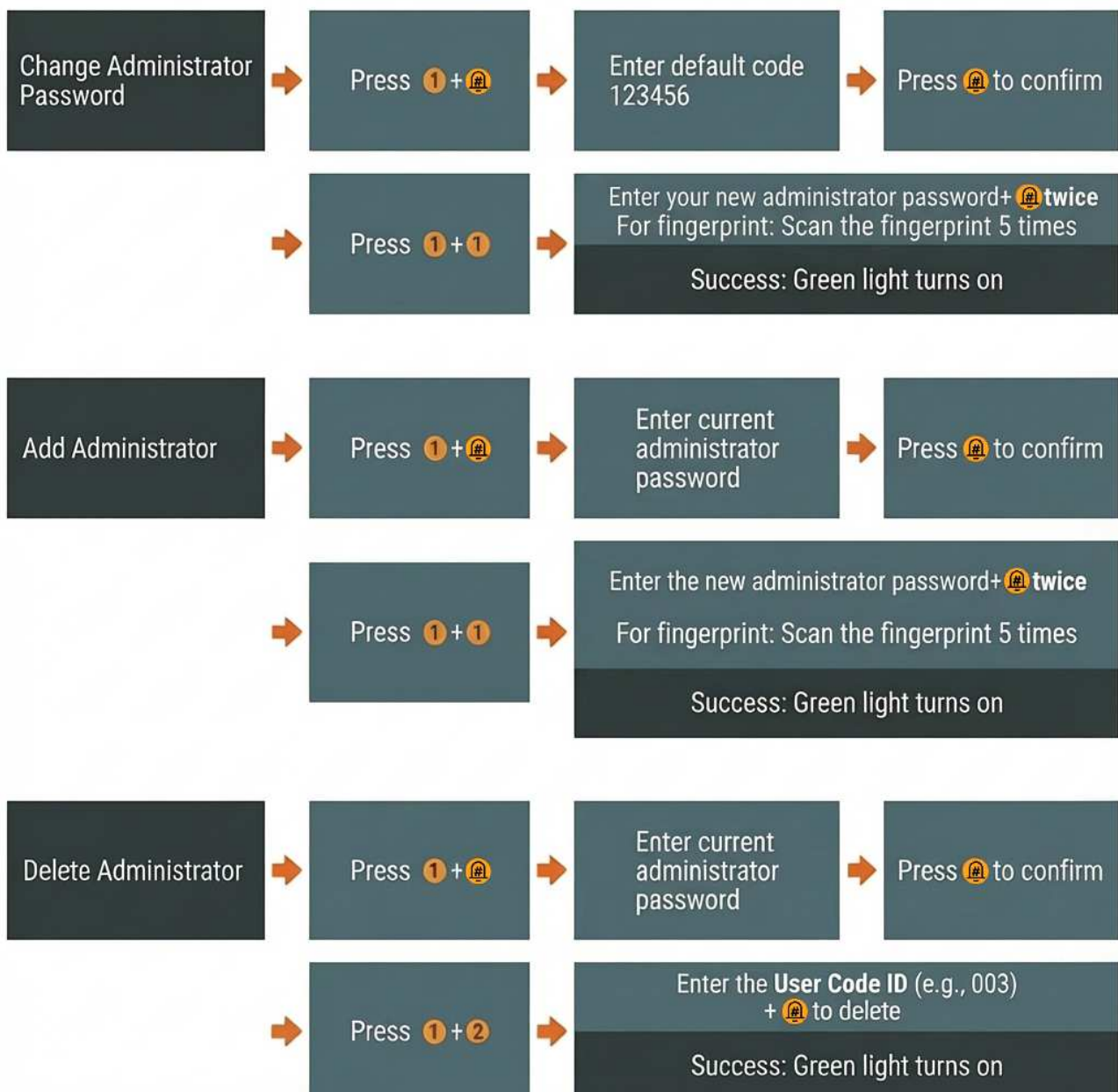
NOTE:

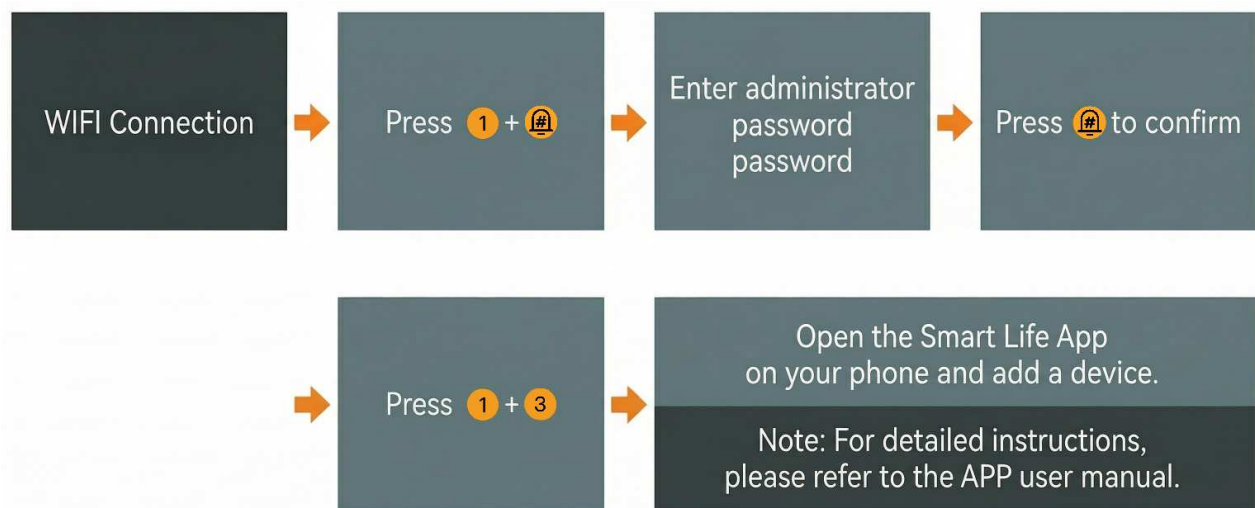
The "Factory Preset Code": 123456. The User needs to change it to a custom administrator password before accessing other functions.

Keys:  Confirmation Button (used to submit codes/choices).

 Back Button (returns to the previous menu).

1. Administrator Setting

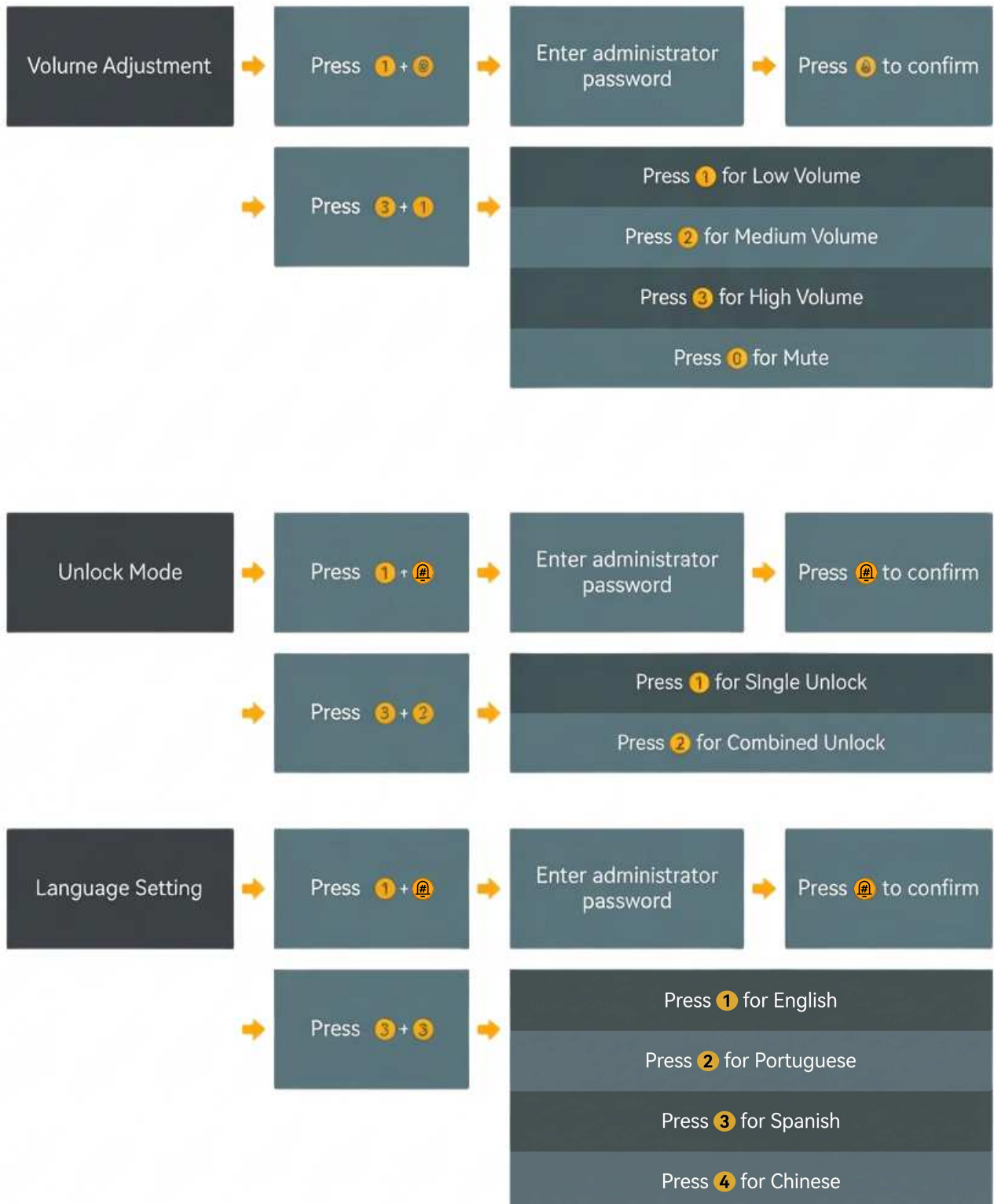


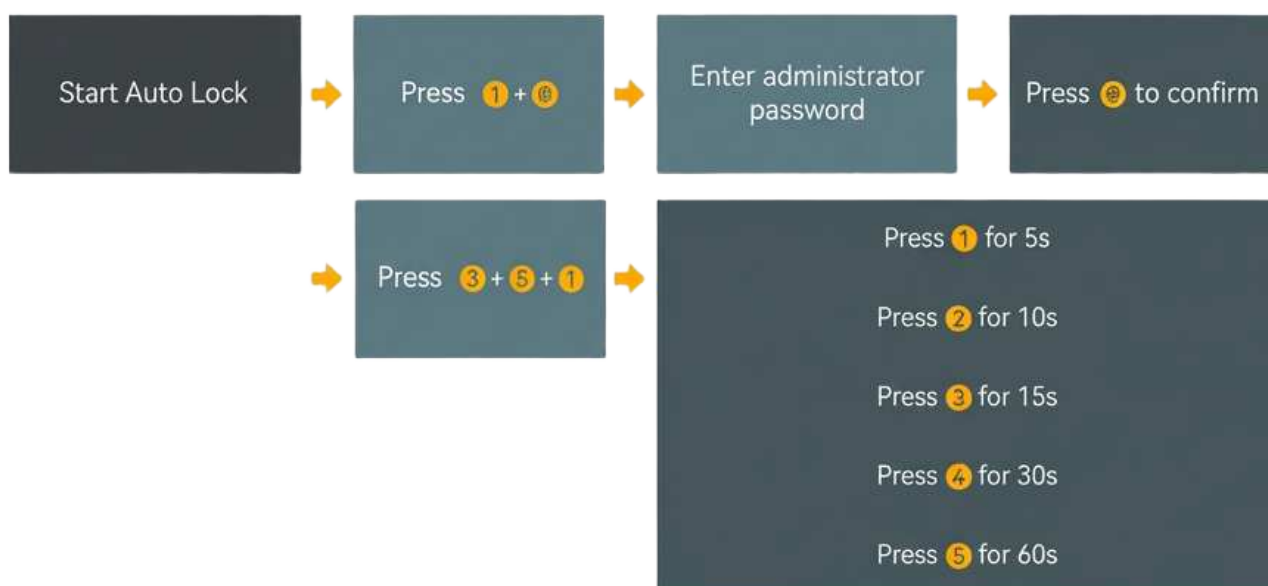


2. General Factory Settings

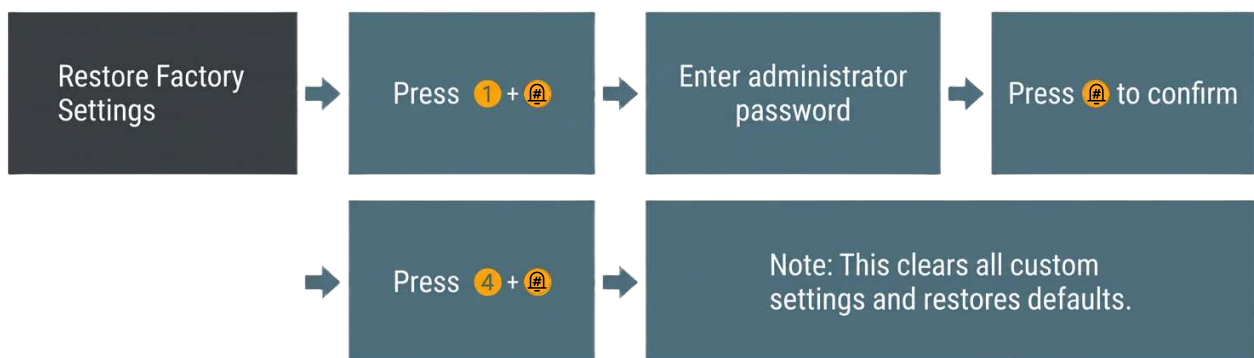


3. System Settings





4. Restore Factory Settings



Factory Default Settings

How to Reset?



NOTE:

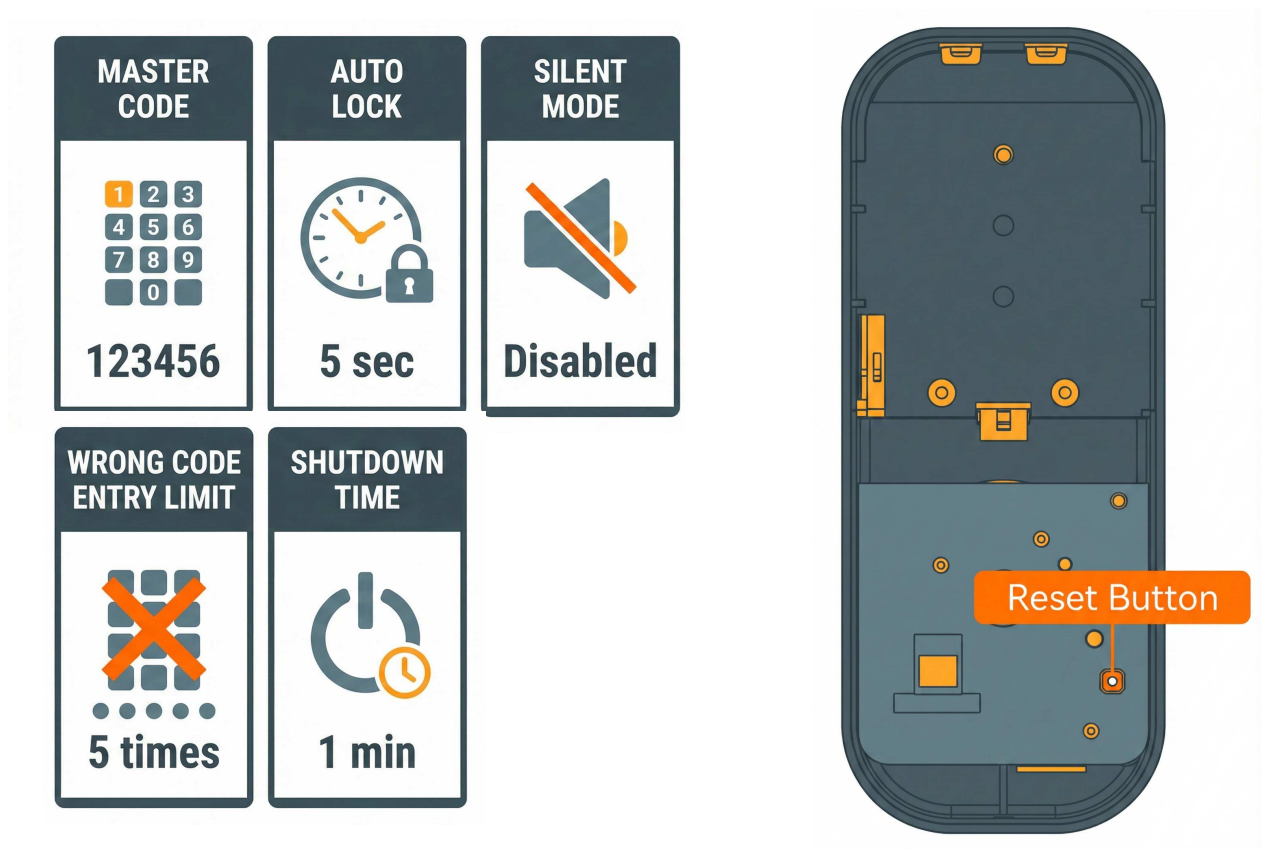
Resetting the door lock will erase all historical passwords. Please carefully confirm that you are prepared before proceeding.

Option 1: Keypad Command Reset

- Enter the factory reset command directly on the lock keypad.

Option 2: Press the "Reset Button"

- Make sure the door is open and the lock is unlocked.
- Locate and press the "Reset Button"(see illustration).
- Hold it down until see the numbers on the keyboard gradually disappear from 6 to 1 and the indicator light transitioned from red to blue.The voice announces:"Factory reset successful."



FAQ

1. Why does the motor rotate but the latch not extend when resetting the lock?

This is typically caused by installation issues. Please follow these steps to check and correct:

1.1 Check Alignment: Ensure the latch and strike plate are properly aligned.

1.2 Verify Screw Tightness: If the mounting screws on the exterior keypad assembly or latch are too loose or overtightened, adjust them to a secure but not forced fit.

1.3 Retry Reset with Door Open: Leave the door open and perform the reset procedure again.

2. Why does neither the latch extend/rotate when resetting the lock?

If the lock shows no response during reset, please check the following installation steps:

2.1 Ensure Latch is Retracted: Keep the deadbolt fully retracted (unlocked) throughout installation.

2.2 Confirm Thumb Turn Position: When installing the interior assembly, make sure the thumb turn is set to the vertical position.

2.3 Retry Reset with Door Open: Leave the door open and perform the reset procedure again.

3. What if I forget my Administrator Code?

To restore the Administrator Code if forgotten:

3.1 Press and hold the Reset button inside the back panel.

3.2 The Lock Code will revert to the factory default: 123456.

Note: Please use with caution. This will erase all stored User Codes.

4. Why does the door lock status display show the opposite of the actual door state(open/closed)?

If the lock status display is opposite to the actual door state, please verify the following installation steps:

4.1 Confirm Installation State: Keep the lock cylinder in the unlocked position during installation—latch fully retracted and keyhole vertical.

4.2 Align Drive Tab: Ensure the metal drive tab from the front assembly passes vertically through the lock cylinder hole.

4.3 Check Rear Panel Switch: Verify that the switch knob on the rear panel is also set to the unlocked position.

5. Why does the latch extend and retract repeatedly when trying to lock/unlock the deadbolt?

This usually indicates a misalignment between the latch and the strike plate. Please resolve as follows:

5.1 Check Latch Hole Depth: Ensure the hole in the door frame is at least 1 inch (≈2.54 cm) deep to allow full latch extension.

5.2 Verify Door Closing Clearance: When closing the door, confirm the latch does not scrape the strike plate or door frame edge, and enters the hole smoothly without resistance.

6 What should I do if the smart lock becomes unresponsive due to a dead battery?

6.1 Emergency Power: Use a mobile power bank with a TYPE-C cable connected to the lock's emergency power port. Once powered, enter your code to unlock normally.

6.2 Important: The emergency port is for temporary use only. Extended external power may damage internal components.

6.3 Battery Recommendation: Rechargeable 18650 lithium batteries are recommended for convenience and sustainability. When purchasing, check the production date – batteries older than six months may have reduced capacity due to self-discharge.

6.4 Battery Life Reference: Under normal use (approx. 10 cycles/day), 4 AA batteries provide up to 120 days of operation.

Important Information & Safety Warnings

A Security Precautions

- For your security, please safeguard your master password and user passwords. Don't share them with unauthorized persons.
- Restrict Physical Access: Limit access to the lock's interior assembly. Review your lock settings periodically to prevent unauthorized changes.
- Lock Limitations Notice: The manufacturer reminds you that no single lock can guarantee absolute security. This lock may be compromised by forced entry, technical means, or by bypassing other property access points.
- Personal Vigilance: A lock is not a substitute for personal caution, situational awareness, and common sense. Always remain alert to potential security risks.

B Care & Environmental Notes

- Cleaning: To preserve the finish, clean the surface with a soft, damp cloth only. Avoid lacquer thinner, abrasive cleaners, caustic soaps, or polishes, as they may damage the coating.
- Water Exposure: This lock is water-resistant, not waterproof. It can withstand occasional splashes, but do not allow liquids to enter the interior (e.g., battery compartment, keypad seams).
- Sunlight Exposure: Avoid prolonged direct sunlight, as it may degrade materials (e.g., keypad, exterior housing) and affect performance over time.

After-Sales Support



For any issues regarding [installation](#), [programming](#), or [troubleshooting](#), please prioritize contacting our official after-sales support email.



Our dedicated team provides [24/7 professional assistance](#) to ensure a swift resolution. We appreciate your trust and value our partnership.

Email: RUIKANGPOWER_service@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.