

NGTeco SL01-C121N

NGTeco Smart Lock SL01-C121N User Manual

Brand: NGTeco | Model: SL01-C121N

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NGTeco Smart Lock. This electronic lock offers multiple unlocking methods including fingerprint, IC card, mechanical key, and mobile application control, providing enhanced security and convenience for your home or office.

The NGTeco Smart Lock is designed for doors with a thickness ranging from 30mm to 65mm. For doors thicker than 65mm, up to a maximum of 90mm, additional kits are required and included to accommodate the increased thickness.



Figure 1: NGTeco Smart Lock, a modern electronic cylinder lock.

SETUP AND INSTALLATION

Before beginning installation, ensure your door's thickness is compatible with the lock. The standard range is 30-65mm. For doors between 65-90mm, use the appropriate extension kits provided.

1. Check Door Compatibility and Size

Verify that your door's existing lock mechanism is compatible with the NGTeco Smart Lock. This electronic lock core replaces the mechanical cylinder in your door. It is not suitable for all lock types, particularly those without a standard mechanical cylinder structure.

Heck Size Before Purchase

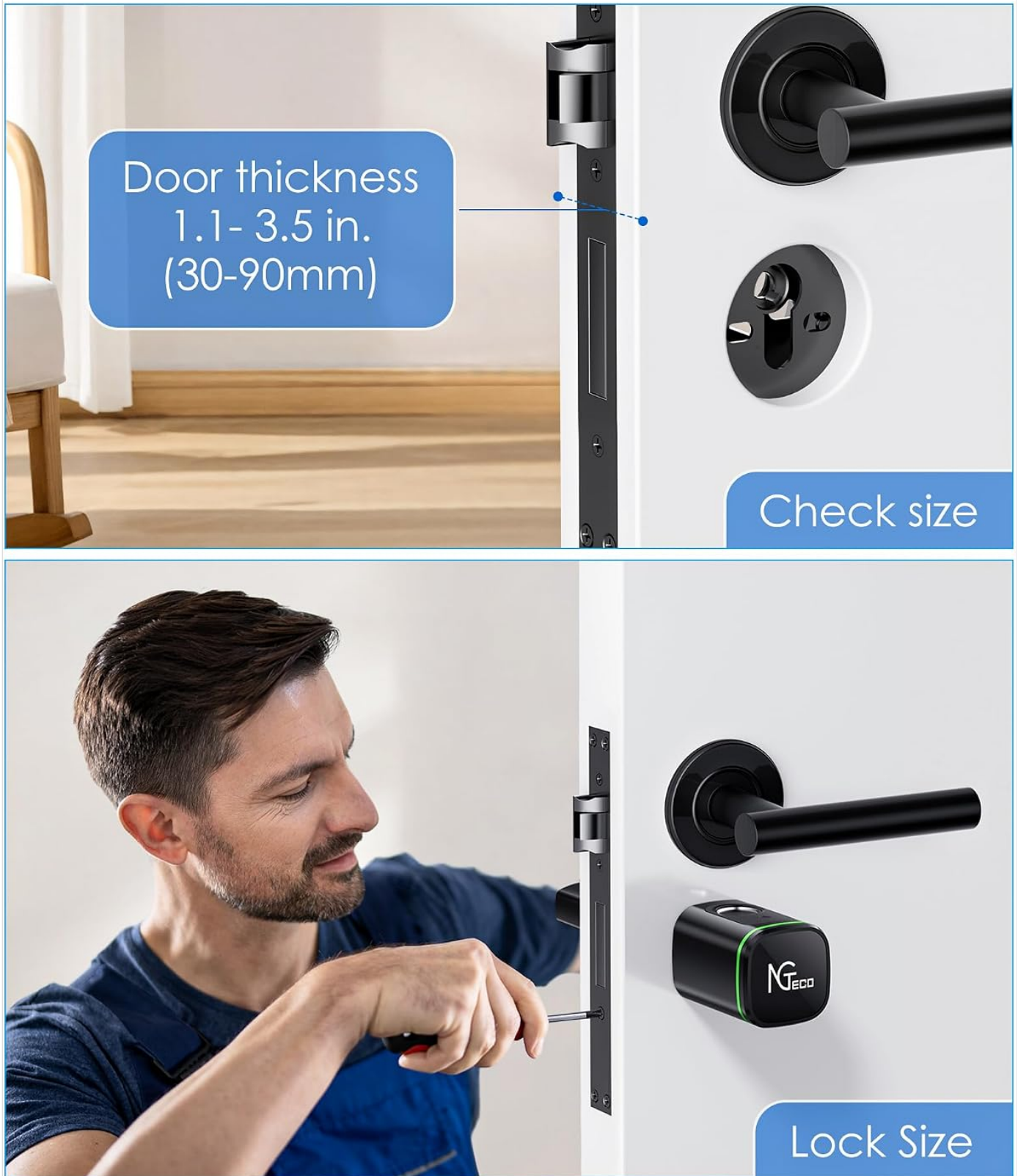


Figure 2: Measure your door thickness and existing lock dimensions to ensure compatibility.

Explanation and clarification



The electronic lock core product is used to replace the mechanical structure (lock core) in the red box on the lock body.



Therefore, locks without this part of mechanical structure are not suitable for electronic lock core products.



Figure 3: Illustration of compatible (top row) and incompatible (bottom rows) mechanical lock structures. The NGTeco Smart Lock replaces the cylinder in the red box.

Adjustable for Different Thicknesses

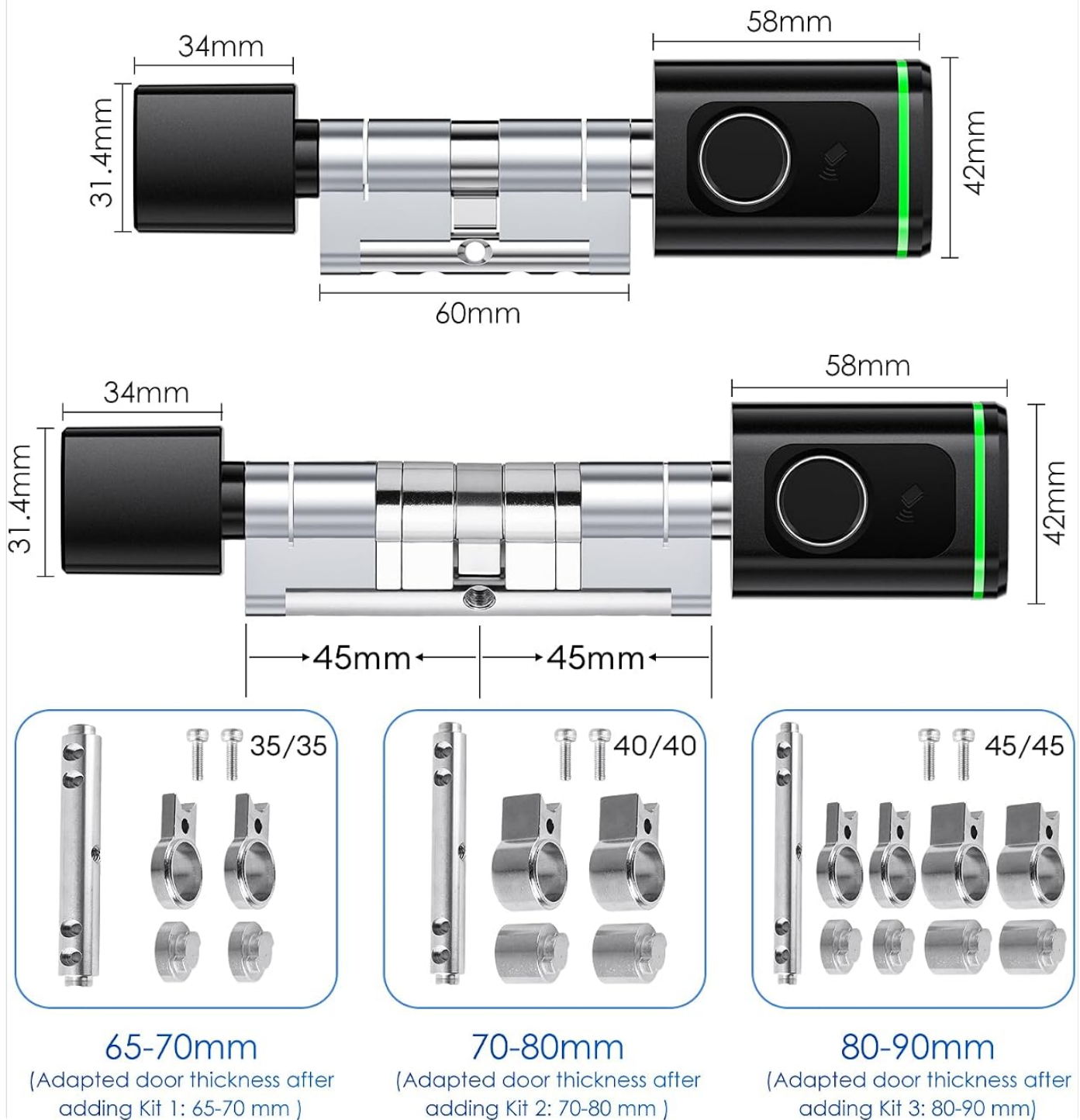


Figure 4: The lock comes with extension kits for door thicknesses of 65-70mm, 70-80mm, and 80-90mm.

2. Battery Installation

The NGTeco Smart Lock requires one CR123A Lithium-ion battery (included). Locate the battery compartment, typically on the inner side of the lock cylinder. Insert the battery according to the polarity markings. Ensure the battery is fully seated before proceeding.

3. Physical Installation

1. Remove your existing mechanical lock cylinder from the door.

2. If your door is thicker than 65mm, attach the appropriate extension kit to the NGTeco Smart Lock cylinder.
3. Insert the NGTeco Smart Lock into the cylinder hole of your door.
4. Secure the lock using the provided screws and mounting hardware. Ensure it is firmly in place and operates smoothly.

Multiple Unlocking Methods



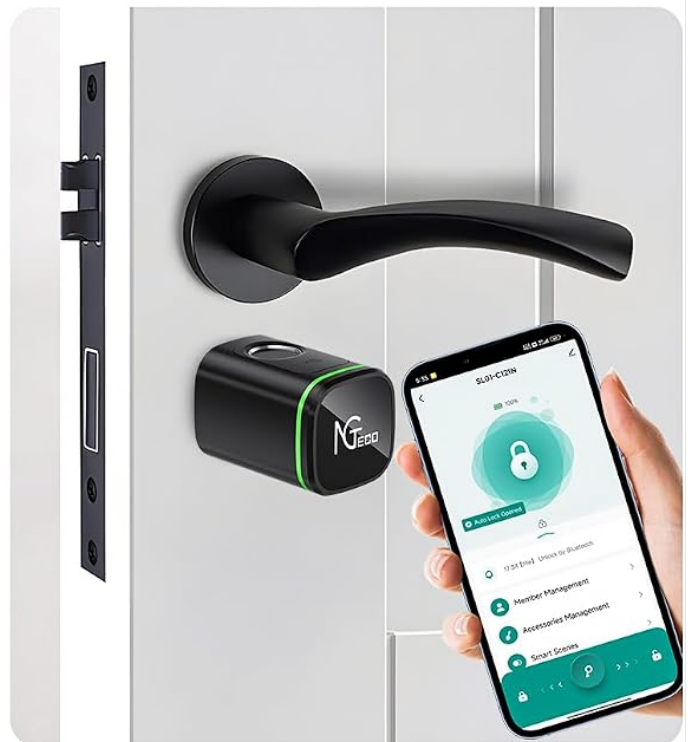
Fingerprint



Key



IC card



APP

Figure 5: The image illustrates the physical installation of the lock into a door, alongside its various unlocking methods.

4. App Download and Initial Setup

Download the "NGTECO Home" application from your smartphone's app store (compatible with iOS and Android). Follow the in-app instructions to register an account and pair your smart lock via Bluetooth. This process typically involves activating Bluetooth on your phone and allowing the app to discover the lock.

OPERATING INSTRUCTIONS

The NGTeco Smart Lock offers several convenient ways to unlock your door.

1. Fingerprint Unlocking

The lock features an advanced fingerprint recognition system for quick and secure access. To register fingerprints, use the NGTECO Home app. Once registered, simply place your finger on the sensor for instant unlocking. The system boasts a 98% recognition rate and unlocks in approximately 0.5 seconds.

Intelligent Fingerprint Recognition



98% Recognition

100 Fingerprints

0.5S Unlock

Figure 6: The fingerprint sensor provides fast and reliable access, supporting up to 100 fingerprints.

2. IC Card Unlocking

Two IC cards are included with your lock. To use, register the cards through the NGTECO Home app. Once registered, simply tap the IC card against the designated area on the lock to unlock the door.

3. Mechanical Key Unlocking

For emergency situations or as a backup, two mechanical keys are provided. Insert the key into the keyhole and turn to manually unlock the door. This method is crucial in case of battery depletion or electronic malfunction.

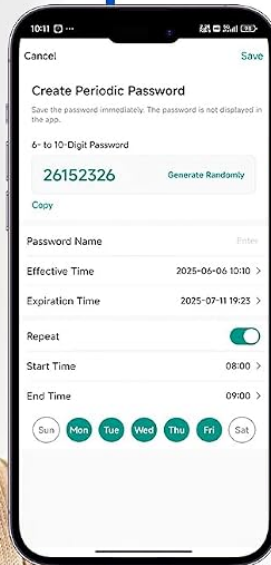
4. Mobile Application Unlocking (NGTECO Home App)

The NGTECO Home app provides comprehensive control over your smart lock. Connect via Bluetooth to:

- **Bluetooth Unlock:** Unlock the door directly from your smartphone when within Bluetooth range.
- **Temporary Passwords:** Generate one-time or time-limited passwords for guests or service personnel.
- **Member Management:** Add or remove users, assign fingerprints, and manage IC cards.
- **Accessory Management:** Manage connected accessories.
- **Unlock History:** View a log of all unlocking events, including method and timestamp.
- **Auto Lock Off:** Configure automatic locking settings.
- **Error Alarm:** Receive notifications for errors or tampering attempts.

One-Time Password

I am outside your house now!



Ok, the passcode is****

Figure 7: The app allows you to generate and manage one-time or periodic passwords for convenient access sharing.

More Secure Features by APP

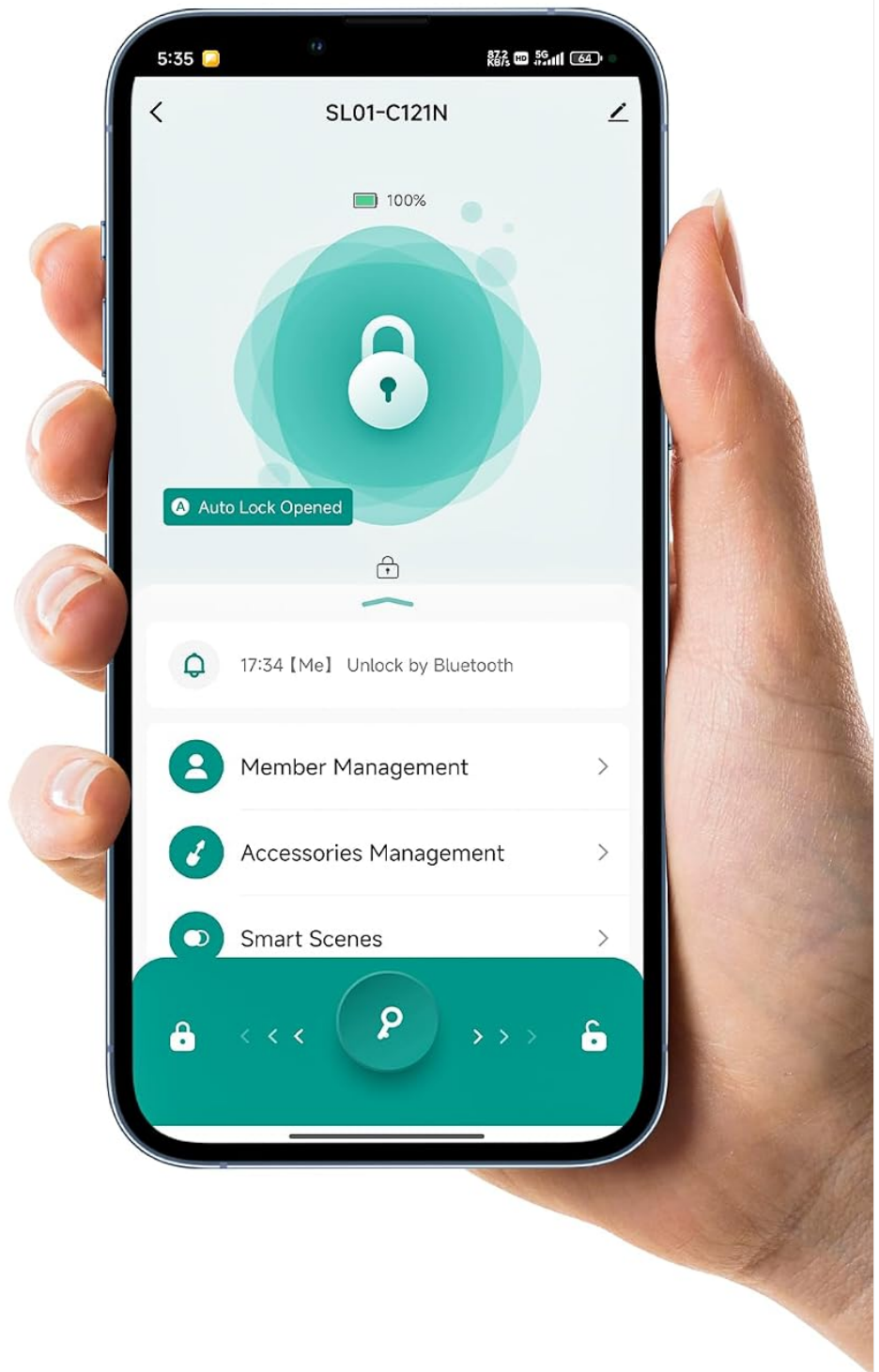


Figure 8: Overview of the NGTECO Home app interface showing various management and security features.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your NGTeco Smart Lock.

1. Battery Replacement

The lock is powered by one CR123A Lithium-ion battery. When the battery level is low, the lock will provide an audible or

visual alert. Replace the battery promptly to avoid being locked out. To replace, open the battery compartment, remove the old battery, and insert a new CR123A battery, observing correct polarity.

In case of a completely dead battery, you can temporarily power the lock using a power bank connected to the USB-C port for emergency unlocking, or use the mechanical key.

2. Cleaning

Clean the exterior of the lock with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the electronic components or finish. Regularly wipe the fingerprint sensor to ensure accurate readings.

3. Mechanical Components

Periodically check the mechanical components of the lock for any signs of wear or looseness. Ensure all screws are tightened and the lock operates smoothly without obstruction. Do not lubricate the internal electronic components.

TROUBLESHOOTING

If you encounter issues with your NGTeco Smart Lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lock does not respond.	Low or dead battery.	Replace the CR123A battery. Use a power bank via USB-C for emergency power.
Fingerprint not recognized.	Fingerprint sensor dirty; unregistered fingerprint; improper finger placement.	Clean the sensor. Ensure your fingerprint is properly registered. Try placing your finger differently. Re-register fingerprint if necessary.
IC card not working.	IC card not registered; card damaged.	Register the IC card through the app. Try a different registered card.
App cannot connect to the lock.	Bluetooth off; lock out of range; app issue.	Ensure Bluetooth is enabled on your phone. Move closer to the lock. Restart the app or your phone. Re-pair the lock in the app if necessary.
Lock does not fit the door.	Incorrect door thickness measurement; incompatible lock type.	Re-measure door thickness and use appropriate extension kits. Verify your door's existing lock mechanism is a compatible cylinder type.
Cannot reset the lock to factory settings.	Incorrect reset procedure.	Refer to the specific reset instructions in the app or contact support. Ensure you are following the correct steps for a factory reset.

If the problem persists after trying these solutions, please contact NGTeco customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Model Name	SL01-C121N

Feature	Detail
Brand	NGTeco
Lock Type	Biometric Smart Lock
Unlocking Methods	Fingerprint, IC Card, Mechanical Key, Mobile App (Bluetooth)
Door Thickness Compatibility	30mm - 65mm (Standard), up to 90mm with extension kits
Material	Metal
Color	Black
Dimensions (L x W x H)	20 x 4 x 4 cm (approximate)
Weight	400 Grams
Battery Type	1 x CR123A Lithium-ion (included)
Fingerprint Recognition Rate	98%
Fingerprint Unlock Speed	0.5 seconds
Max Fingerprints Supported	100

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official NGTeco website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

NGTeco Customer Support: Please visit the NGTeco official website for contact details or refer to the product packaging for support information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question