

NGTeco D2310

NGTeco D2310 Fingerprint Keyless Entry Smart Deadbolt Lock User Manual

Model: D2310

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your NGTeco D2310 Fingerprint Keyless Entry Smart Deadbolt Lock. Please read this manual thoroughly before installation and use to ensure proper function and security.

2. PRODUCT OVERVIEW

The NGTeco D2310 is a smart deadbolt lock designed for enhanced home security and convenience. It offers multiple access methods including fingerprint recognition, keypad codes, traditional keys, and control via the NGTeco Home mobile application using Bluetooth 5.0 connectivity. Key features include rapid fingerprint unlocking, auto-lock functionality, and emergency power options.



Figure 1: NGTeco D2310 Smart Deadbolt Lock components.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Exterior Keypad Assembly with Fingerprint Sensor
- Interior Unit Assembly
- Deadbolt Latch
- Mounting Plate
- Strike Plate
- Screws (various sizes for installation)
- Traditional Keys (backup)
- User Manual (this document)

4. INSTALLATION GUIDE

The NGTeco D2310 lock is designed for easy installation on standard doors with a thickness between 35mm and 60mm. A Phillips head screwdriver is typically the only tool required.

1. **Prepare the Door:** Ensure your door meets the specified thickness requirements (35-60mm). Remove any existing deadbolt hardware.
2. **Install the Deadbolt Latch:** Insert the deadbolt latch into the door edge. Ensure the "UP" arrow on the latch is facing upwards. Secure it with screws.
3. **Install the Exterior Keypad:** Feed the cable from the exterior keypad through the door hole and position the keypad flush against the door.
4. **Install the Mounting Plate:** Secure the mounting plate to the interior side of the door, aligning it with the deadbolt latch and the exterior keypad. Connect the cable from the exterior keypad to the interior unit's connector.
5. **Install the Interior Unit:** Attach the interior unit to the mounting plate, ensuring the thumb turn spindle engages correctly with the deadbolt mechanism. Secure with screws.
6. **Insert Batteries:** Open the battery cover on the interior unit and insert four AA batteries (not included), observing polarity.
7. **Test Operation:** Manually operate the deadbolt using the thumb turn to ensure smooth movement.



Figure 2: Door thickness and lock dimensions for installation.

5. SETUP AND PROGRAMMING

5.1. NGTeco Home App Setup

The NGTeco Home app provides remote control and management features for your smart lock via Bluetooth 5.0.

1. **Download the App:** Search for "NGTeco Home" in your smartphone's app store (iOS or Android) and install it.
2. **Create an Account:** Follow the in-app instructions to register a new user account.
3. **Add Device:** Open the app, enable Bluetooth on your phone, and select "Add Device." Choose your D2310 lock from the list of discoverable devices.
4. **Pairing:** Follow the on-screen prompts to pair the lock with your smartphone. This typically involves pressing a button on the interior unit or entering a default administrator code.

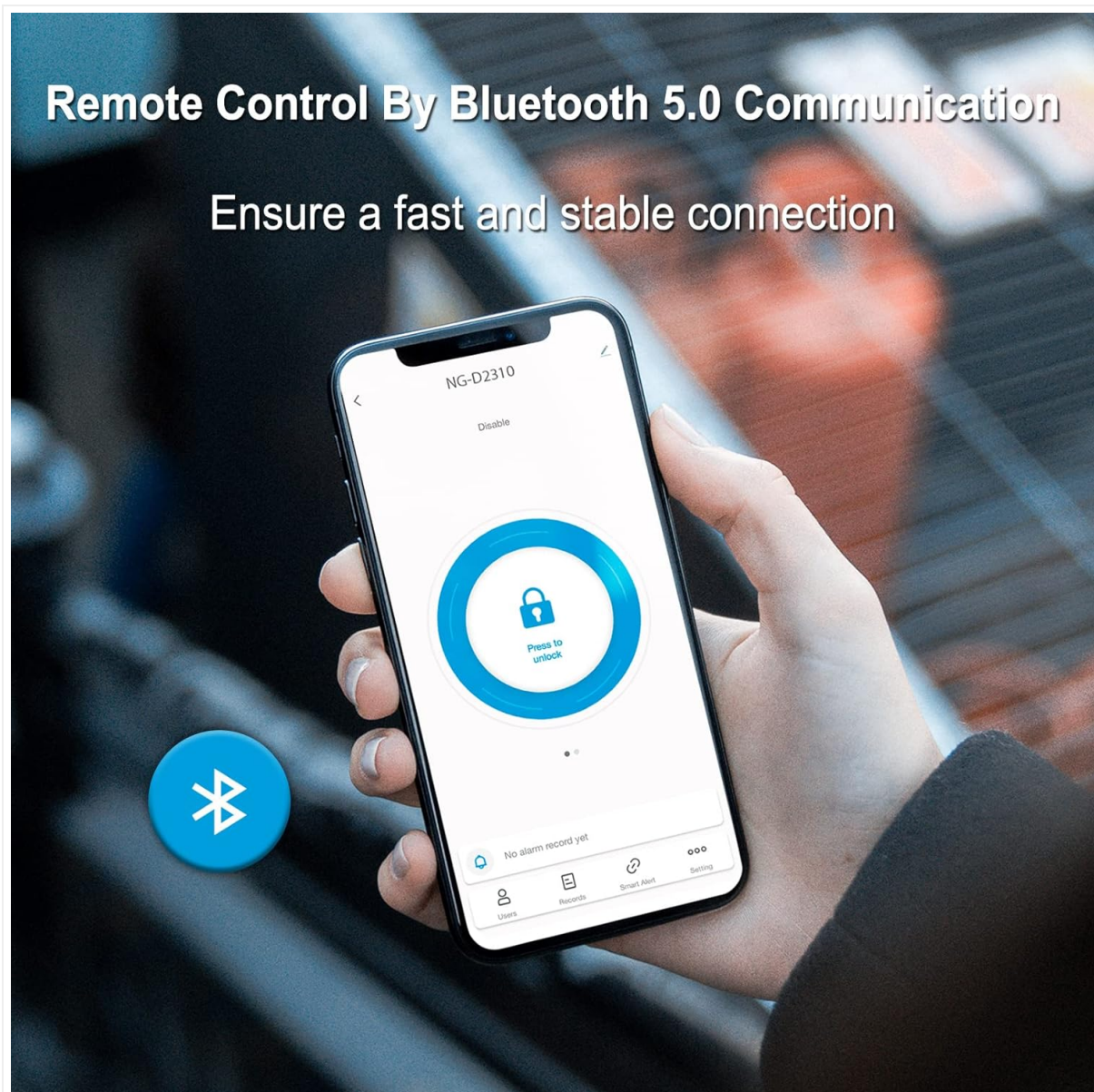


Figure 3: Remote control via Bluetooth 5.0 using the NGTeco Home App.

5.2. Fingerprint Enrollment

The lock features a capacitive fingerprint sensor for quick access.

1. **Access Enrollment Mode:** Refer to your app or the lock's audio prompts for entering fingerprint enrollment mode. This usually involves entering the administrator code followed by a specific command.

2. **Scan Fingerprint:** Place your finger on the sensor. The lock will prompt you to lift and place your finger multiple times from different angles to capture a complete scan.
3. **Confirmation:** The lock will provide an audio or visual confirmation once the fingerprint is successfully enrolled.

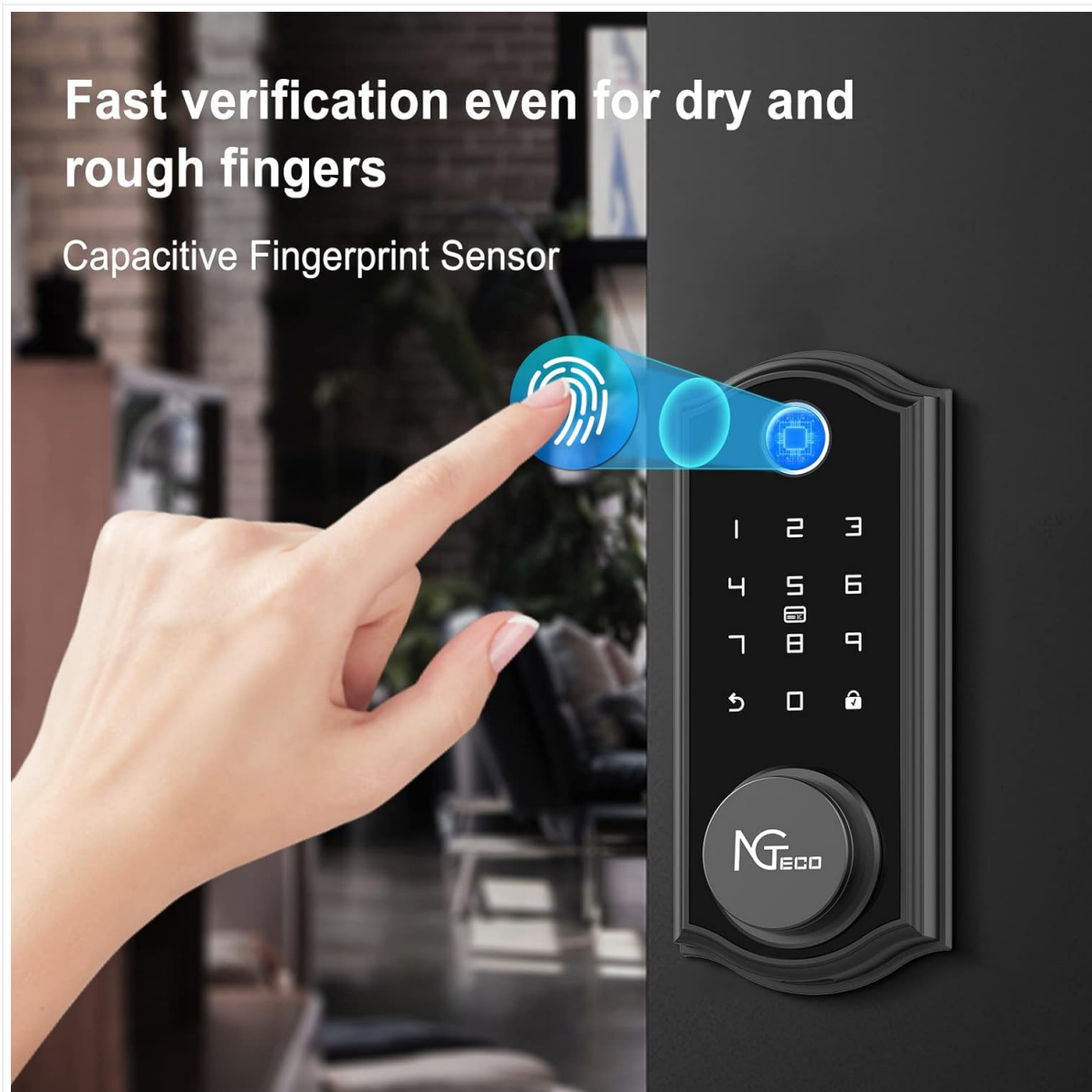


Figure 4: Fast fingerprint verification process.

5.3. Passcode Management

You can create various types of passcodes for different users.

- **Administrator Passcode:** Used for programming and managing the lock.
- **User Passcodes:** For regular access.
- **Temporary Passcodes:** Valid for a limited time or number of uses.
- **One-Time Passcodes:** Valid for a single entry.

All passcode management is performed through the NGTeco Home app. Refer to the app's instructions for detailed steps on creating and modifying passcodes.

5.4. Audio Prompts

The lock provides English audio prompts for operational feedback. The volume can be adjusted (high, low, or silent) via the NGTeco Home app settings.

User-friendly audio prompts support English and Chinese

The volume can be set to high/low or silent modes



Figure 5: Adjustable audio prompts for clear operation feedback.

6. OPERATION

6.1. Unlocking the Door

The NGTeco D2310 offers multiple ways to unlock:

- **Fingerprint:** Place your enrolled finger on the sensor. The lock will unlock in approximately 1 second upon successful recognition.
- **Keypad:** Enter your valid passcode on the illuminated keypad, then press the unlock button (usually a checkmark or lock icon).
- **Traditional Key:** Insert the physical key into the keyhole and turn to unlock.
- **NGTeco Home App:** Open the app, ensure Bluetooth is connected, and tap the "Unlock" button.

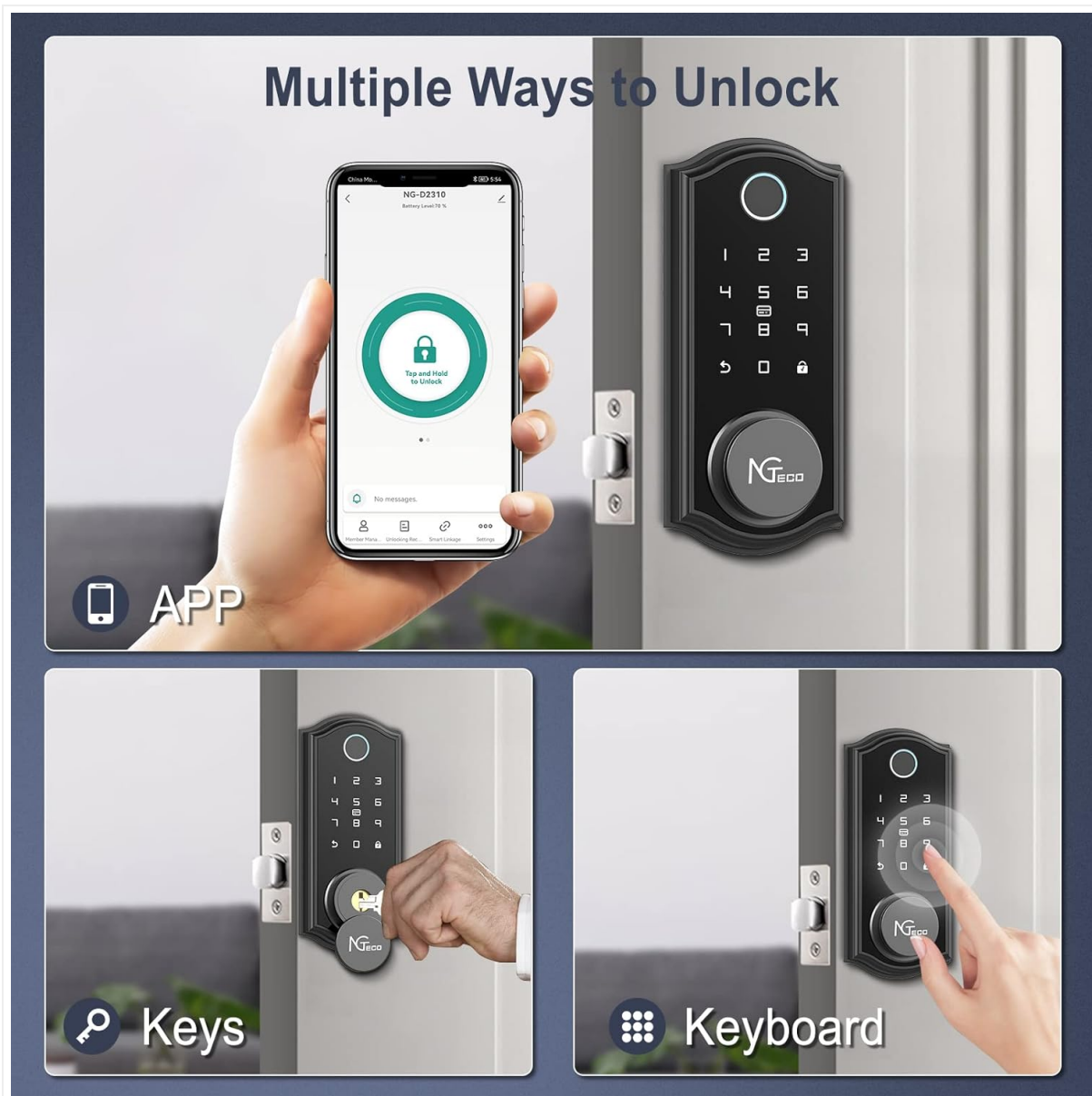


Figure 6: Multiple ways to unlock the NGTeco D2310.

6.2. Locking the Door

- **Auto Re-lock:** The lock features an auto re-lock mode that automatically locks the door after a set period (configurable via the app) once it has been opened and closed. This ensures your property is secure even if you forget to manually lock it.
- **Manual Lock:** Press and hold the lock button on the keypad for a few seconds to manually engage the deadbolt.
- **NGTeco Home App:** Open the app and tap the "Lock" button.

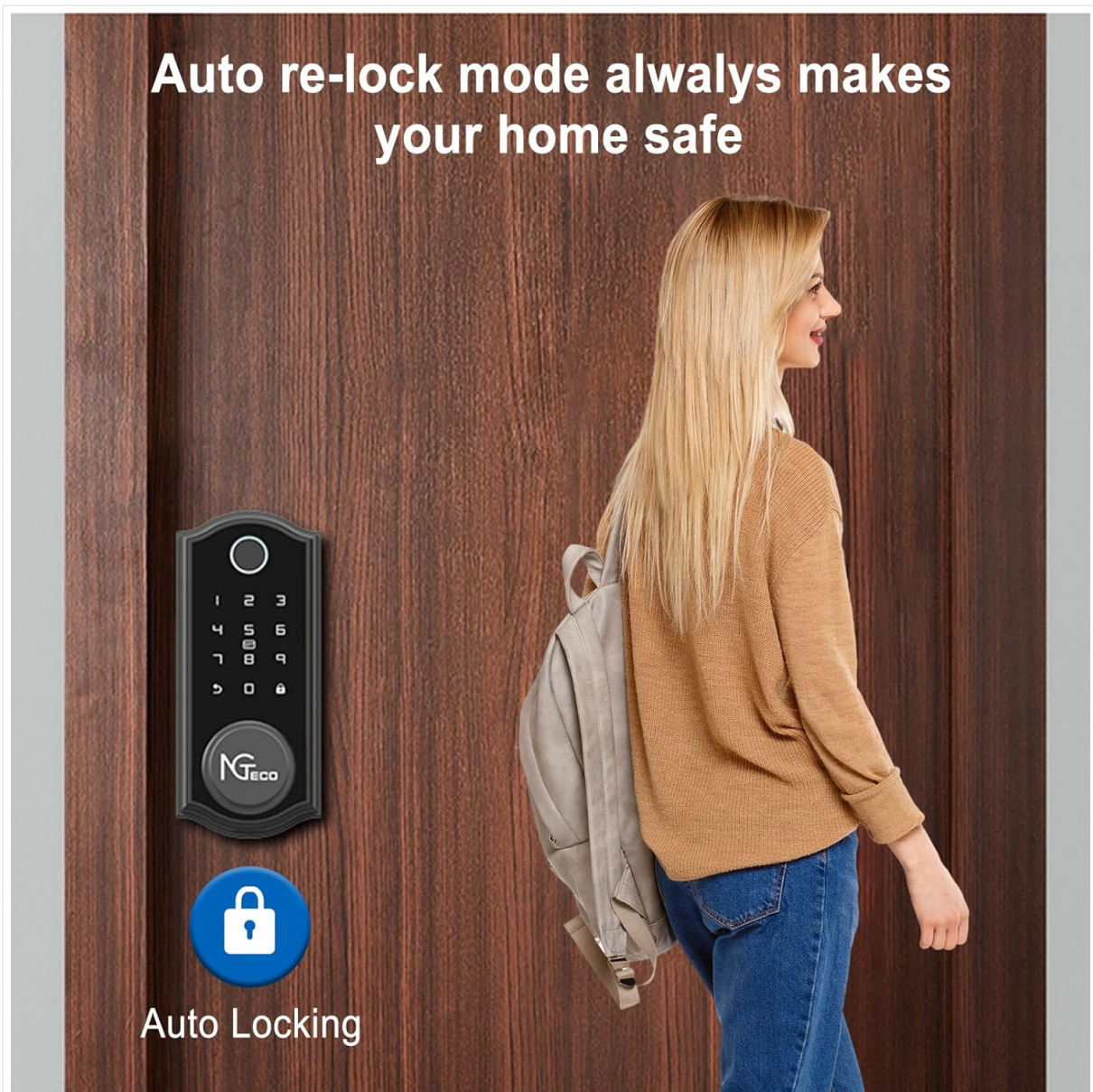


Figure 7: Auto re-lock mode for enhanced security.

6.3. Passage Mode

For situations where the door needs to remain unlocked (e.g., during gatherings), the lock can be set to Passage Mode via the NGTeco Home app. In this mode, the auto-lock feature is temporarily disabled, allowing free entry and exit without requiring credentials.

Keeps the door always unlocked

Suitable for meetings and partys with no access restriction



Figure 8: Passage mode for temporary unrestricted access.

7. MAINTENANCE

7.1. Battery Management

The NGTeco D2310 lock is powered by four AA batteries. It features a low battery warning system:

- **Low Battery Warning:** The lock will provide an audible alert and/or a notification via the NGTeco Home app when battery levels are low. Replace batteries promptly to avoid lockout.
- **Emergency Charging:** If batteries completely deplete, a Micro-USB port is available on the exterior unit for emergency power. Connect a power bank or USB charger to temporarily power the lock and gain access.



Figure 9: Low battery warning and emergency Micro-USB charging.

7.2. General Care

Clean the lock's exterior with a soft, dry cloth. Avoid abrasive cleaners or solvents. Ensure the fingerprint sensor and keypad remain free of dirt and debris for optimal performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace batteries or use emergency Micro-USB power.
Fingerprint not recognized.	Finger not properly placed; fingerprint not enrolled; sensor dirty.	Ensure finger covers the sensor completely; re-enroll fingerprint; clean sensor.
Keypad unresponsive or incorrect code.	Incorrect code entered; lock is in lockout mode (after 5+ incorrect attempts).	Verify passcode; wait 3 minutes if in lockout mode.

Problem	Possible Cause	Solution
Bluetooth connection issues.	Bluetooth disabled on phone; lock too far from phone; app not running.	Enable Bluetooth; move closer to lock; restart NGTeco Home app.
Auto-lock not working.	Passage mode is active; auto-lock feature disabled in app.	Deactivate Passage mode; enable auto-lock in NGTeco Home app settings.

9. SPECIFICATIONS



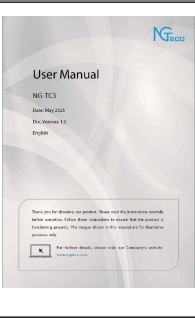

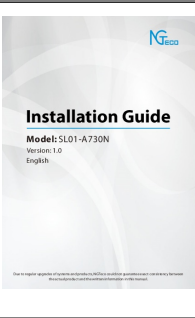
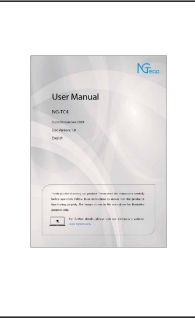
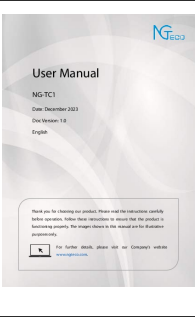
Feature	Detail
Brand	NGTeco
Model Name	D2310
Lock Type	Biometric, Deadbolt, Keypad
Special Features	Auto-Lock, Battery Indicator, Fingerprint, Keyless Entry, Touchscreen
Material	Housing (Zinc Alloy)
Color	Silver
Finish Type	Satin Nickel
Item Dimensions (L x W x H)	2.72 x 0.65 x 6.14 inches
Item Weight	2.5 Pounds
Recommended Door Thickness	35-60mm
Control Method	App, Remote, Keypad, Fingerprint, Key
Connectivity Protocol	Bluetooth 5.0
Power Source	4 x AA Batteries (not included)
Emergency Power	Micro-USB Port
Operating Temperature	-22°F to 122°F (-30°C to 50°C)

10. 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 for warranty claims.

NGTeco Customer Service: Please visit the NGTeco official website for the most current contact information.

Related Documents - D2310

 <p>NGTeco</p> <p>Installation Guide</p> <p>Model: NG-D2310 Series Lock Body: Smart Lock Body Version: 1.0 English</p> <p></p>	<p>NG-D2310 Series Smart Lock Installation Guide and User Manual</p> <p>Comprehensive guide for installing and using the NG-D2310 Series smart lock by NGTeco, covering setup, features, and basic operations.</p>
 <p>NGTeco</p> <p>User Manual</p> <p>NG-TC3 Date: May 2023 Doc Version: 1.0 English</p> <p>Thank you for choosing our product. Please read the following carefully before using the product. Please refer to the manual for the product in English for details. The responsibility for the product is the user's responsibility.</p> <p>For further details, please refer to our Company's website: www.ngteco.com</p>	<p>NG-TC3 User Manual - NGTeco Time and Attendance System</p> <p>This user manual provides comprehensive instructions for the NGTeco NG-TC3, a biometric time and attendance system. Learn about device setup, user management, verification methods, and integration with NGTeco Office software for efficient attendance tracking and management.</p>
 <p>NGTeco</p> <p>NG-TC2 Cloud-based Fingerprint Time Clock</p> <p>Product Introduction</p> <p>NG-TC2 is a cloud-based fingerprint time clock. It is designed for fast and reliable attendance tracking. It features TCP/IP and dual-band Wi-Fi, a built-in backup battery, and integration with NGTeco Office software for efficient management.</p> <p>Features</p> <ul style="list-style-type: none">• Fast and reliable fingerprint recognition• Remote management via cloud• Support for multiple users and groups• Support for multiple verification methods• Support for multiple languages• Support for multiple time zones• Support for multiple time periods• Support for multiple time periods	<p>NG-TC2 Cloud-based Fingerprint Time Clock - NGTeco</p> <p>Discover the NGTeco NG-TC2, a cloud-based fingerprint time clock offering fast and reliable attendance tracking. Features include TCP/IP and dual-band Wi-Fi, a built-in backup battery, and integration with NGTeco Office software for efficient management.</p>
 <p>NGTeco</p> <p>Installation Guide</p> <p>Model: SL01-A730N Version: 1.0 English</p>	<p>NGTeco SL01-A730N Smart Lock Installation Guide and User Manual</p> <p>Comprehensive installation guide and user manual for the NGTeco SL01-A730N smart lock, covering setup, features, specifications, and safety instructions.</p>
 <p>NGTeco</p> <p>User Manual</p> <p>NG-TC4 Date: December 2023 Doc Version: 1.0 English</p> <p>Thank you for choosing our product. Please read the following carefully before using the product. Please refer to the manual for the product in English for details. The responsibility for the product is the user's responsibility.</p> <p>For further details, please refer to our Company's website: www.ngteco.com</p>	<p>NG-TC4 User Manual - NGTeco</p> <p>Comprehensive user manual for the NGTeco NG-TC4 smart terminal, covering installation, operation, and management features for attendance tracking.</p>
 <p>NGTeco</p> <p>User Manual</p> <p>NG-TC1 Date: December 2023 Doc Version: 1.0 English</p> <p>Thank you for choosing our product. Please read the following carefully before using the product. Please refer to the manual for the product in English for details. The responsibility for the product is the user's responsibility.</p> <p>For further details, please refer to our Company's website: www.ngteco.com</p>	<p>NGTeco NG-TC1 User Manual: Operation and Features Guide</p> <p>Comprehensive user manual for the NGTeco NG-TC1 device, detailing setup, operation, user management, and system settings for attendance and access control.</p>

