LION HEAD
LOCKS

USER MANUAL AND INSTALLATION GUIDE

STRONGA DIGITAL CYLINDER

LHL-STRONGA-RIMCYL2

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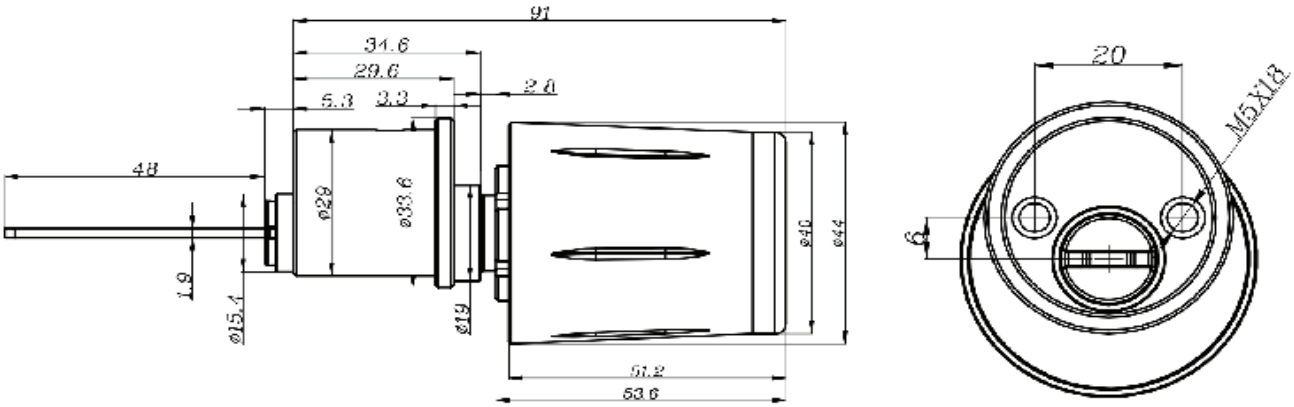


IMPORTANT NOTES

- Keep the mechanical keys outside the property to avoid being locked out.
- Replace the batteries immediately when the low-battery warning sounds.
- Read this manual carefully before installation and keep it for future reference.

1. INTRODUCTION

The LHL Stronga Digital Rim Cylinder is a premium electronic locking solution designed to provide secure, keyless access for residential and commercial properties. Engineered to replace traditional rim cylinders, it offers a simple retrofit while enhancing everyday security and convenience. Unlock using the TTLock app, Bluetooth, or RFID card for flexible access management. Supporting up to 1,000 users, it is ideal for offices, apartments, schools, and shared facilities. Its IP66 weatherproof construction ensures reliable performance in both indoor and outdoor environments. Powered by 2 × CR2 batteries, it delivers up to 25,000 unlock cycles for long-lasting operation. Low-battery alerts help prevent unexpected lockouts, while USB-C emergency power provides backup access when needed. Built to operate in temperatures from -25°C to 65°C, it performs reliably in demanding Australian conditions. User permissions can be managed easily through the TTLock platform for greater control and convenience. Its sleek, modern design complements a wide range of door styles and installations.

1.1 PACKING LIST

NO	QTY	NAME
1	1	Electronic knob cylinder
2	3	User cards
3	1	Wrench
4	2	Lithium CR2 Battery (Optional)
5	1	Decorative circle
6	2	Screws

1.2 PRODUCT SPECIFICATIONS

Model Number	LHL-STRONGA-RIMCYL2	Working Temp	-25C ~ 65C
Battery	2 X CR2 Batteries	Low Battery Alert	Yes
Battery Life	25, 000 Cycles (2 Year Approx Usage)	IP Rating	IP68
Emergency Power	None	User Capacity	1000

1.3 FUNCTIONAL FEATURES

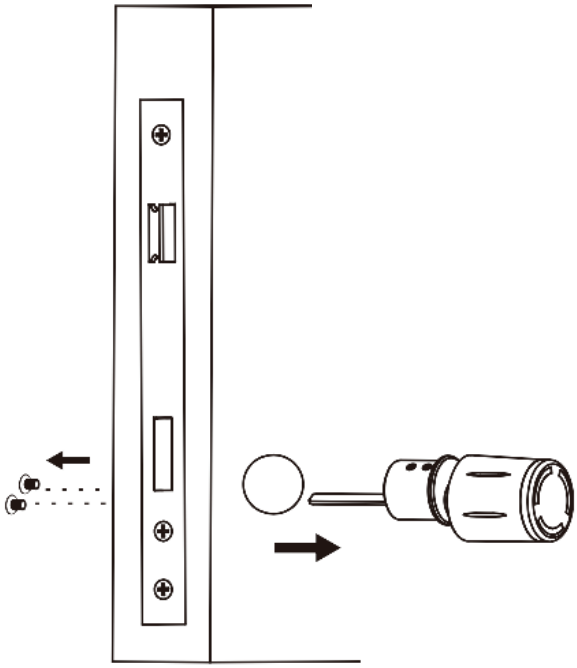
Encrypted communication	Encrypted communication is carried among lock-app-server.
Door opening records	Unlocking method + unlocking IC + time. Users can get door opening records for recent 6 months through the app. No data lost.
Cache	The electronic cylinder can cache each door opening record locally. Data will be automatically synchronized to the app when connected via Bluetooth.
Alarm	Low battery alarm, door opening alarm.
Manage users	Adding new users via app.
Power status display	Displays power value or status.
Door opening via app	After Bluetooth connection between phone and cylinder, the door can be opened directly via the app.
New user cards added via app	After Bluetooth connection, new user cards can be added via the app.
Add fingerprint by app	After Bluetooth connection, fingerprints can be added to open the door.
Add password by app	After Bluetooth connection, passwords can be added to open the door.
Share with specified validity	Administrators can create users with a specified validity period via the app.
Door opening mode synchronization	After app connection, door opening methods synchronize between the cylinder and cloud.

2. INSTALLATION

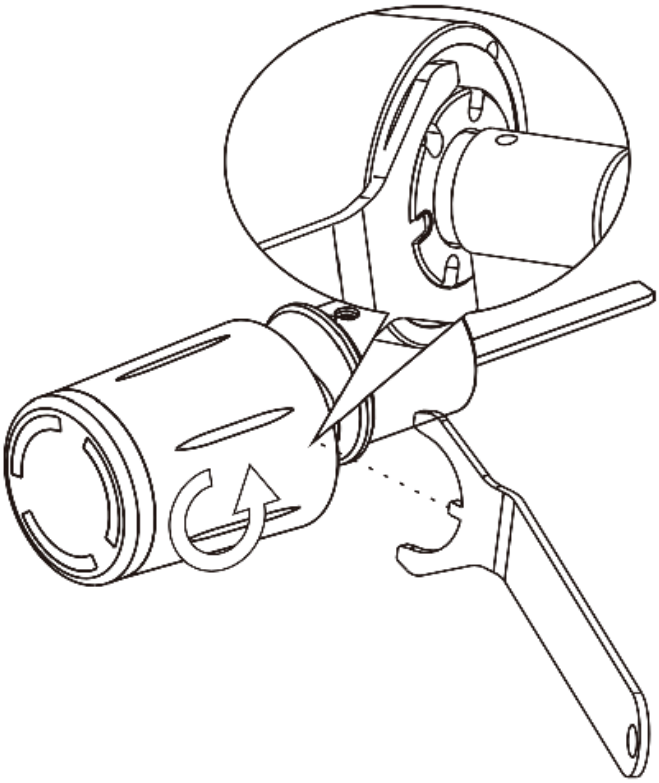
The LHL Stronga Digital Rim Cylinder delivers secure keyless access via the TTLock app, Bluetooth, and RFID, supporting up to 1,000 users. Its IP66 weatherproof design, 25,000 unlock cycles, and USB-C emergency power make it a dependable solution for residential and commercial applications.

2.1 INSTALLATION DIRECTIONS

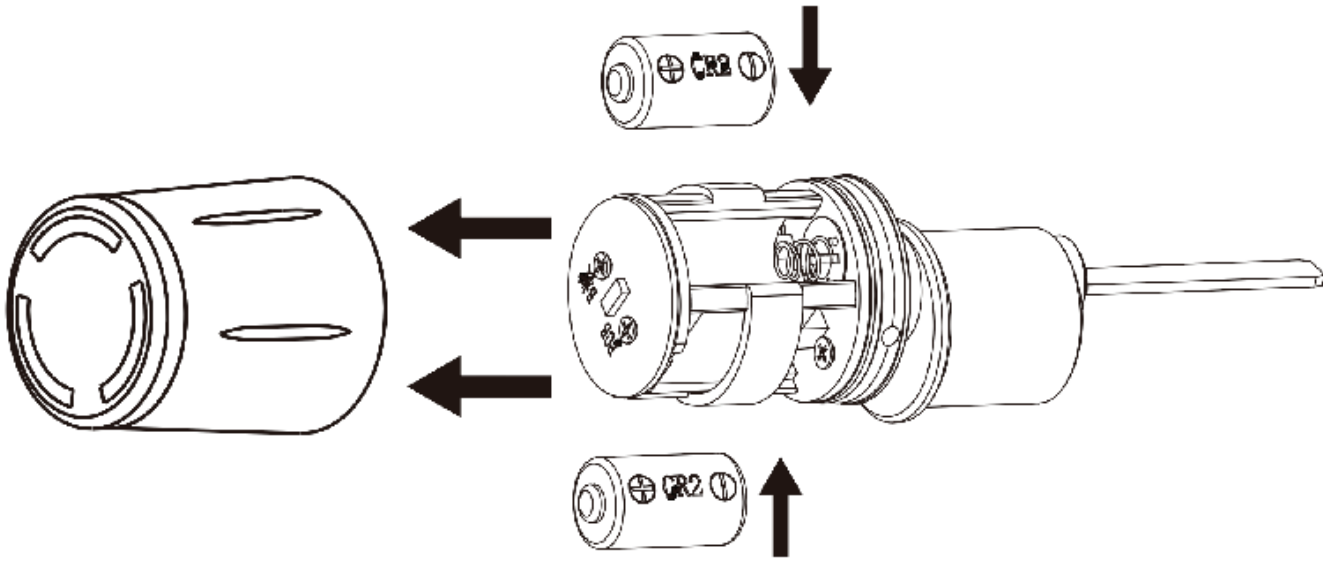
Remove the existing cylinder



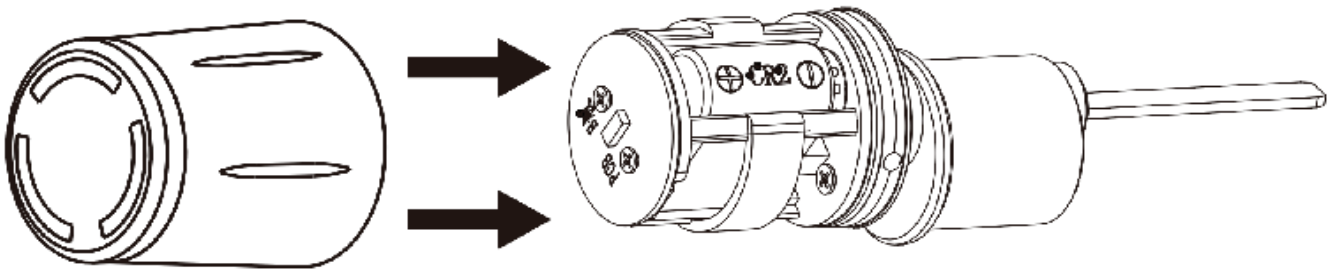
Use a wrench to clamp the cover and turn the knob counterclockwise



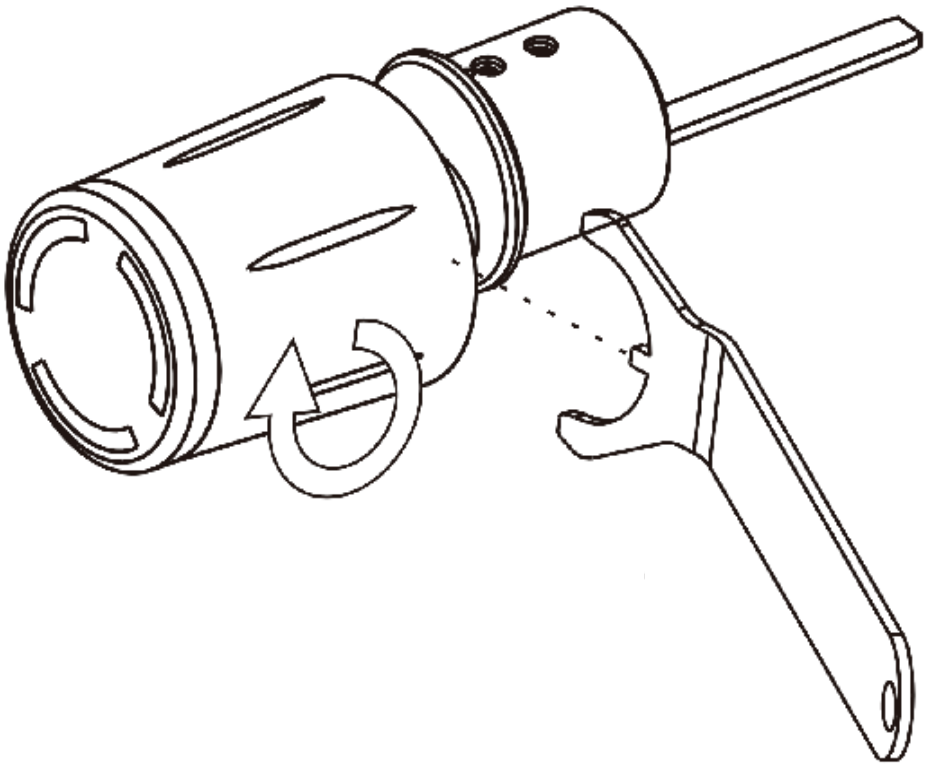
Open the knob cover and put the new batteries inside



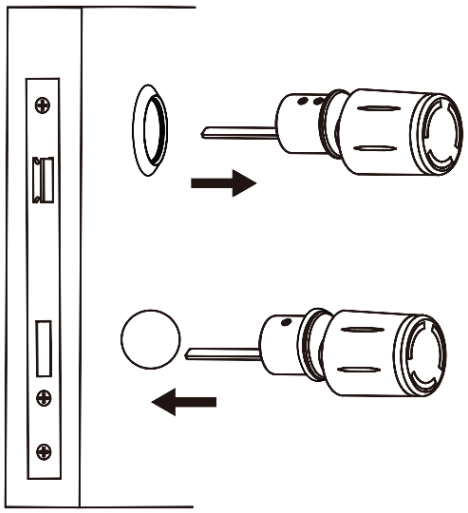
Refit the knob cover



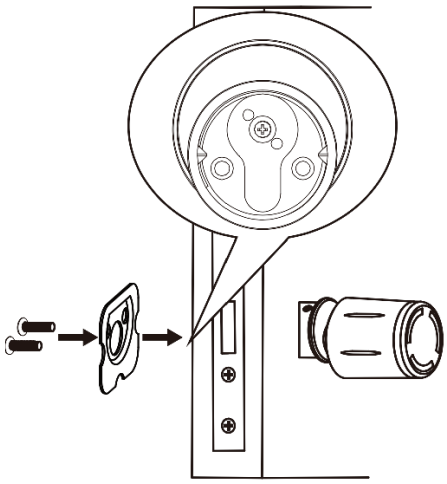
Use a wrench to clamp the cover and turn the knob clockwise



First, insert the decorative ring A into the lock core, and then insert the lock core into the hole.

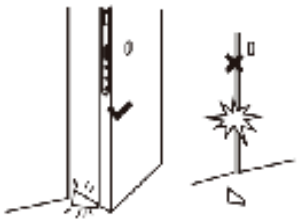


Put the long screw into the screw hole of the decorative ring B, align it with the screw hole of the lock core, and then tighten the long screw.



2.4 WHAT YOU SHOULD PAY ATTENTION TO

1



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3. LIONHEAD LOCK CONTROL APP INTRODUCTION

Lionhead App is a mobile application used to manage and operate your smart lock via a smartphone. Through the app, users can lock and unlock the door, manage users and access permissions, and adjust lock settings such as privacy and security functions. Lionhead App provides a convenient and secure way to control your lock without the need for physical keys.

3.1 LIONHEAD APP DOWNLOAD

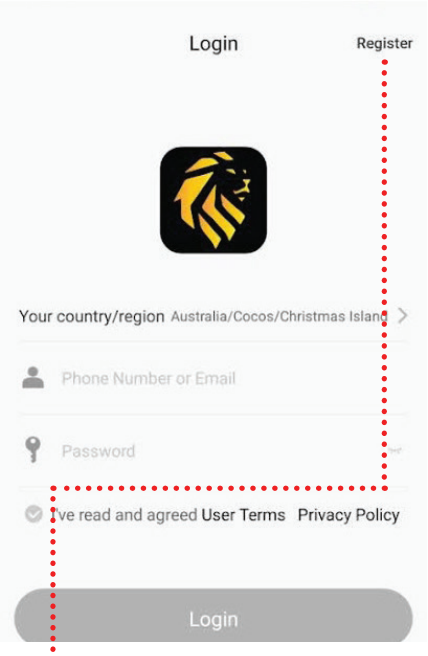
GET IT ON Google Play

Download on the App Store

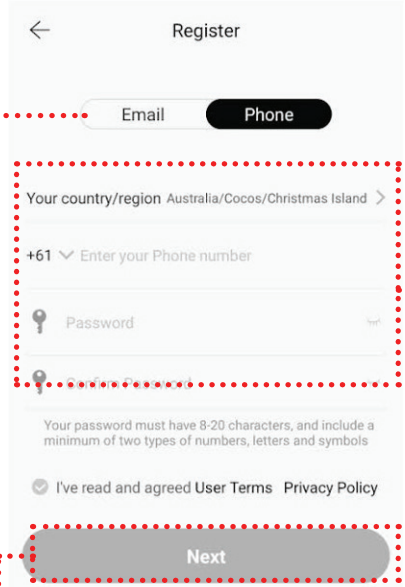
Download the Lionhead App from the Apple App Store or Google Play Store. Either scan this QR code or search for Lionhead App on your mobile phones app store.

3.2 LIONHEAD APP USER REGISTRATION (ADMINISTRATOR)

1. Open the Lionhead App



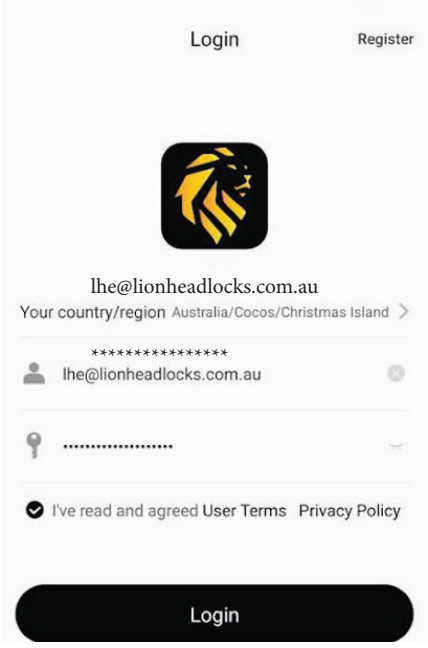
2. Select Register



3. Register with either your phone number or email address.

4. Enter details

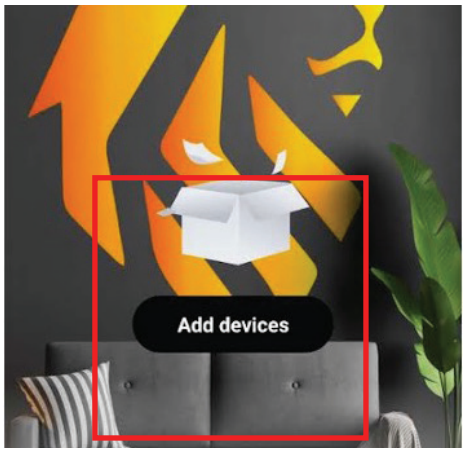
5. Select "Next" to proceed



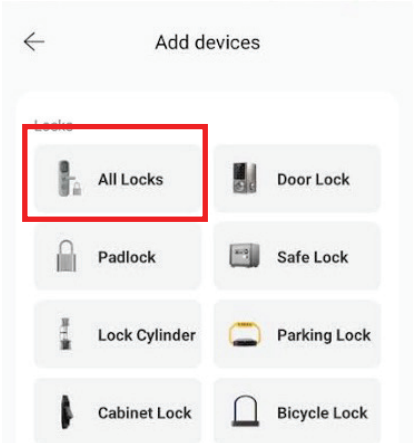
6. Login with your registered details

3.3 ADD LOCK VIA LIONHEAD APP (BLUETOOTH)

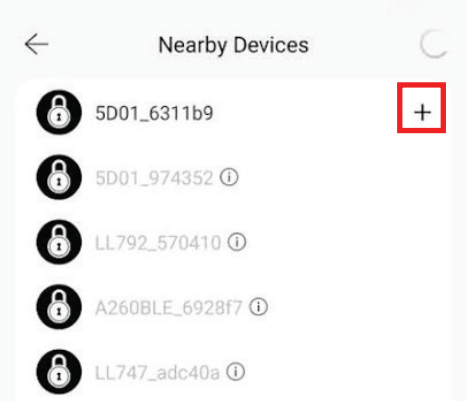
DEFAULT LOCK PASSWORD IS 123456



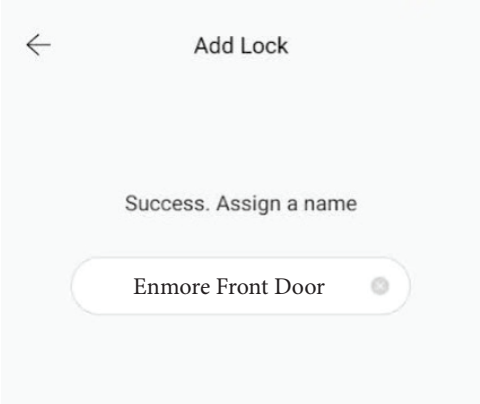
1. Select "Add Lock" button



2. Select the lock type, in most cases "All Locks" will find the lock the quickest via bluetooth



3. Select the "+" button next to the lock in the Nearby Locks list.

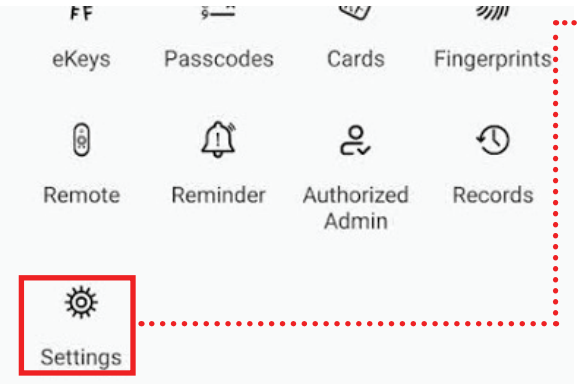


4. Rename lock to your desired name and complete lock registration process.

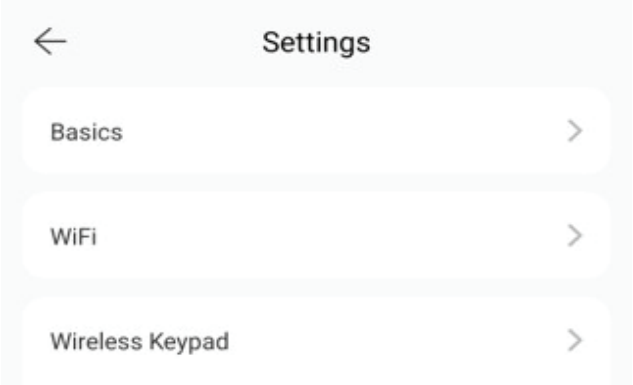
3.4 CONNECT LOCK TO WIFI VIA LIONHEAD APP

PLEASE NOTE: LHL-WIFI-GATEWAY-G5 REQUIRED FOR DUAL BAND WIFI

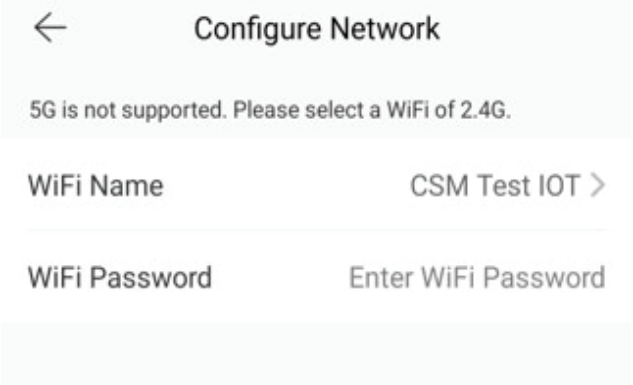
1. Select your lock from the Lionhead App home page



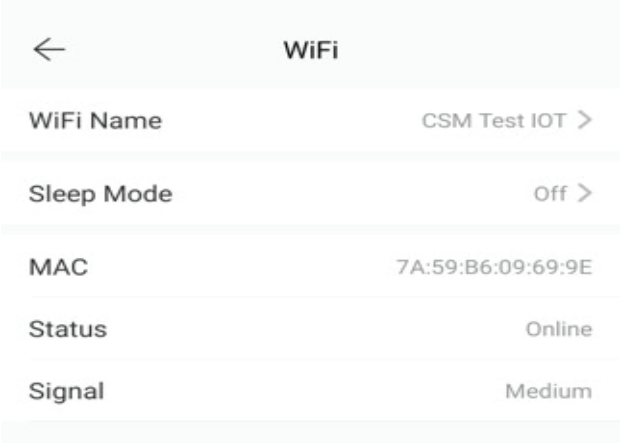
2. Select the "Settings" button from the lock management page



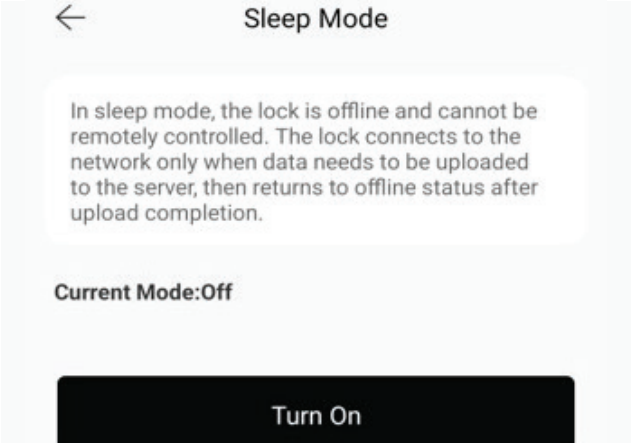
3. In the Settings menu, tap WiFi to enter the Wi-Fi settings menu.



4. Select a 2.4GHz Wi-Fi network and enter the password.



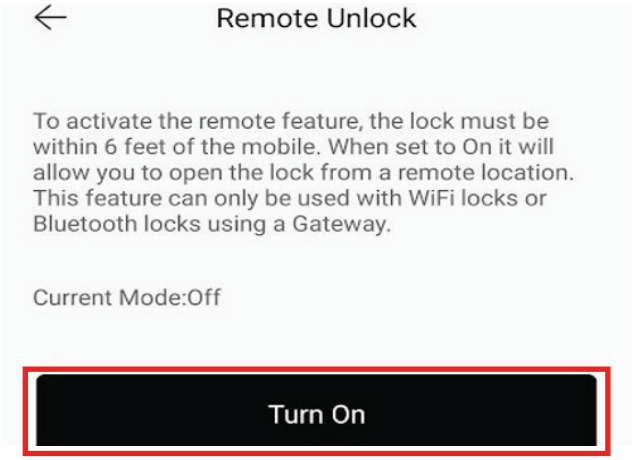
5. Turn Sleep Mode OFF to keep Wi-Fi connected for remote unlocking.



6. Turn Sleep Mode ON if you only require message reporting.

- Wi-Fi remains connected at all times
- Remote unlocking is enabled
- Lock activity messages are received in real time

- Wi-Fi connects only when a message is reported
- Remote unlocking is disabled
- Only status messages can be received



7. Enable Remote Unlock to allow the lock to be opened via the app.

PLEASE NOTE: THE CYLINDER LOCK SUPPORTS 2.4GHZ WI-FI ONLY. 5GHZ NETWORKS ARE NOT SUPPORTED.

4. LIONHEAD APP OPERATIONS

Lionhead App provides a range of operational functions that allow users to manage access and monitor lock activity.
Through the app, administrators can add and manage users, issue and configure eKeys, select different unlocking methods and view operation records and access reports.

4.1 UNLOCK SCHEDULE TYPES

Lionhead App allows administrators to control when and how users can unlock the door by assigning different access schedules. These schedules define the duration and timing of access, providing flexibility for temporary, recurring, or permanent users.

Timed:
Access is granted for a specified start and end time.

One-time:
Access is valid for a single use only.

Permanent:
Access remains valid with no time restrictions.

Custom:
Access is configured using user-defined date and time settings.

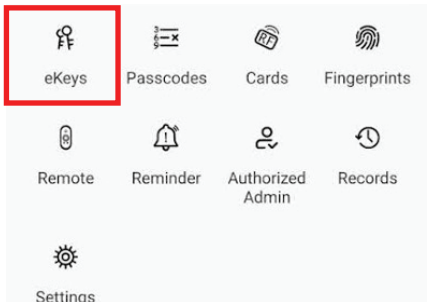
Recurring:
Access is granted on a repeating schedule, such as specific days or times.

4.2 ENSURE LOCK CONNECTION

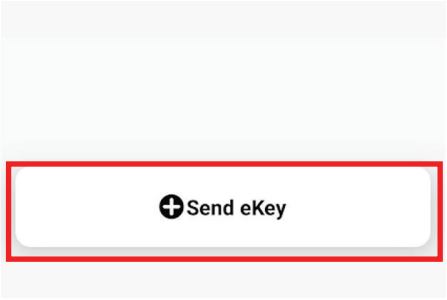
Ensure that Bluetooth communication is functioning correctly. After connecting your phone to the door lock tap the unlock icon to unlock the door. The phone must be within 5 metres of the lock.

4.3 EKEY SET UP

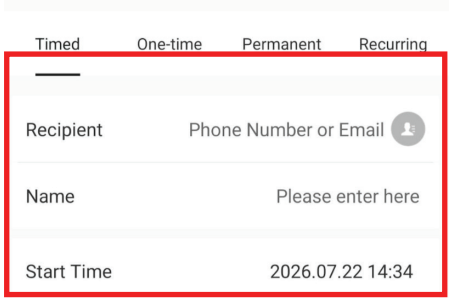
eKeys allow users to unlock the door using the Lionhead App on a smartphone. Access permissions can be issued, modified, or revoked by an administrator with flexible scheduling options for temporary or permanent



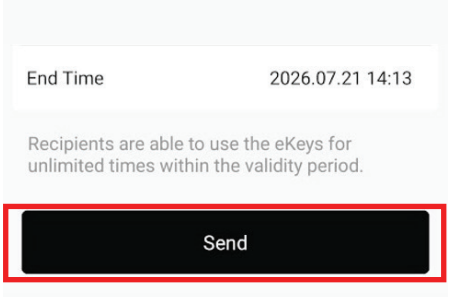
1. Select “eKeys” button



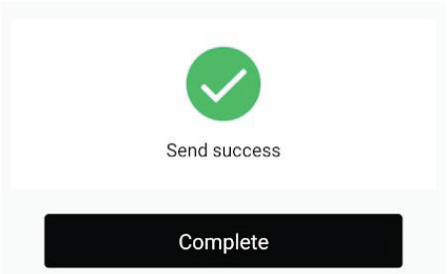
2. Select “Send eKey” button



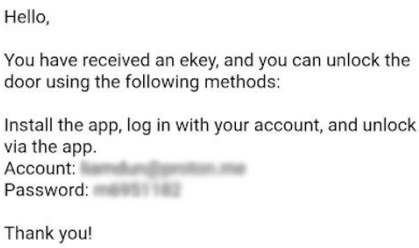
3. Select schedule type and enter recipient details (email or phone)



4. Press the “Send” button



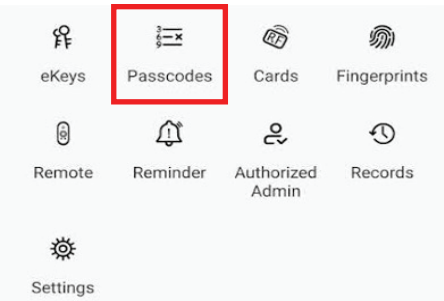
5. You will recieve a success notification



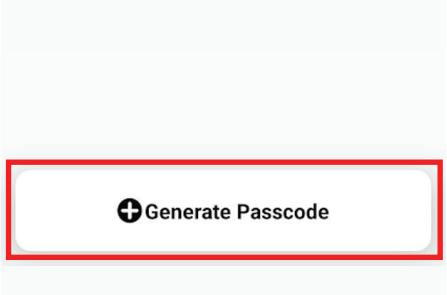
6. Reciepient will recieve an email with unlock details

4.4 PASSCODE SET UP

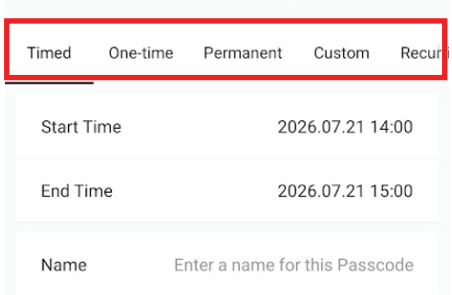
Passcode unlock allows users to open the lock by entering a numeric code on the keypad. Passcodes can be assigned with different access schedules and managed through the app, providing a convenient keyless access option.



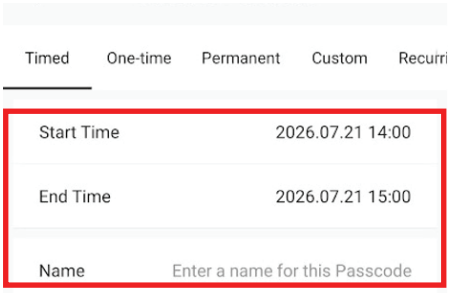
1. Select “Passcodes” button



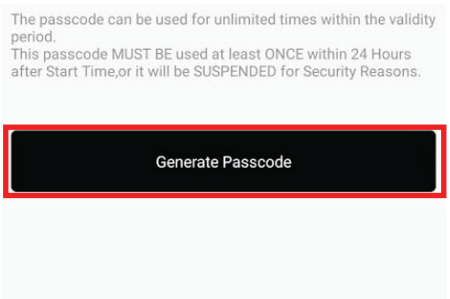
2. Select “Generate Passcode” button



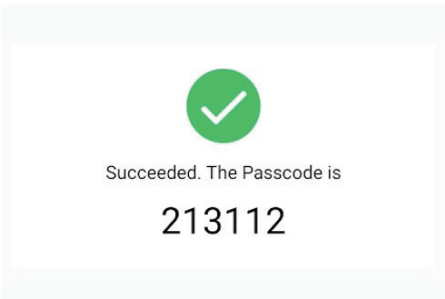
3. Select schedule type



4. Set passcode details. These will differ as per the schedule type.



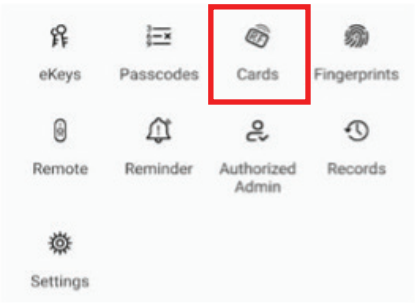
5. Select “Generate Passcode”



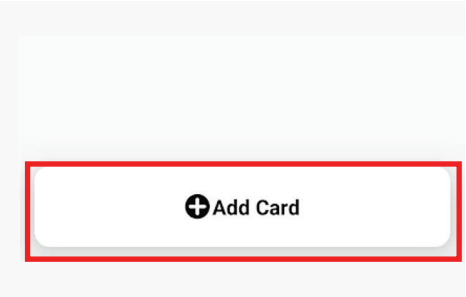
6. You will recieve a confirmation that your passcode has been set up

4.5 CARD SET UP

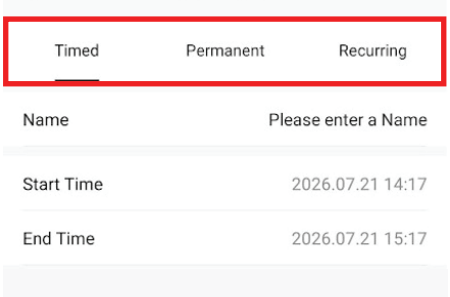
Card unlock allows authorised users to open the lock by presenting a registered access card to the reader. Cards can be added or removed through the app, providing a simple and reliable access method.



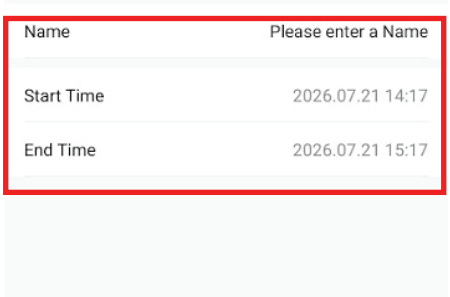
1. Select “Cards” button



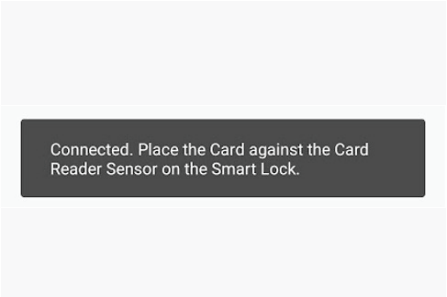
2. Select “Add Card” button



3. Select schedule type



4. Add the shedule details and select “Ok”

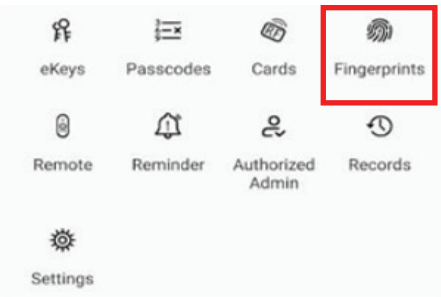


5. Place the card to the keypad of the lock

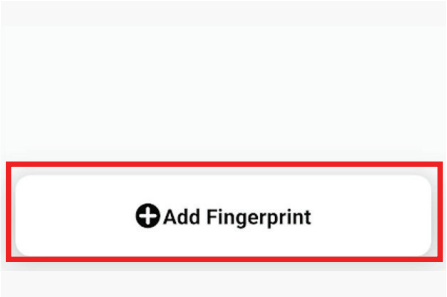
6. You will recieve a success notification once the card is

4.6 FINGERPRINT SET UP

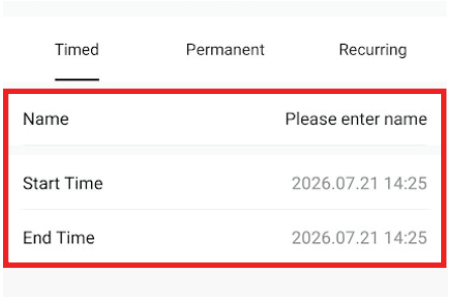
Fingerprint unlock allows authorised users to open the lock using a registered fingerprint. Fingerprints are enrolled and managed through the app, providing fast, secure access without the need for keys, cards, or passcodes.



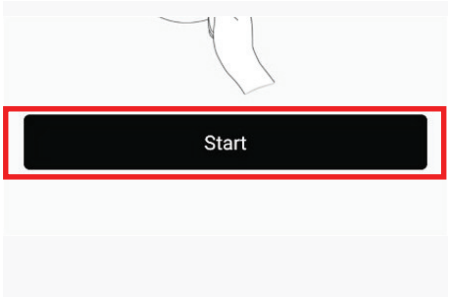
1. Select “Passcodes” button



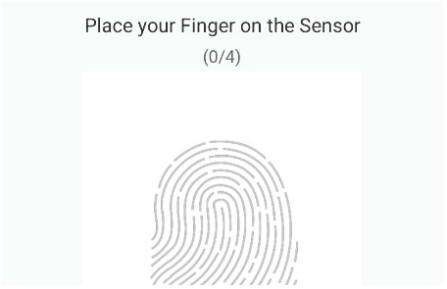
2. Select “Add Fingerprint” button



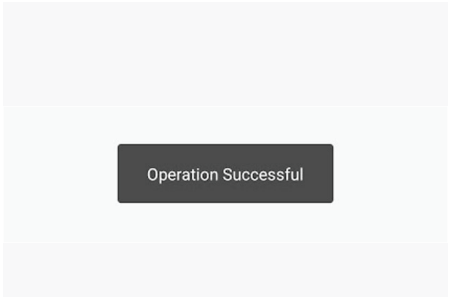
3. Select schedule type, add details and select “Next”



4. Select “Start”



5. Follow onscreen instructions and place your finger on sensor 4 times.



6. You will recieve a confirmation that your fingerprint has been set up

4.7 REMINDERS

The reminder function allows the lock to send notifications for specific events or conditions. These reminders help users stay informed about lock activity and system status, supporting timely awareness and better access management.

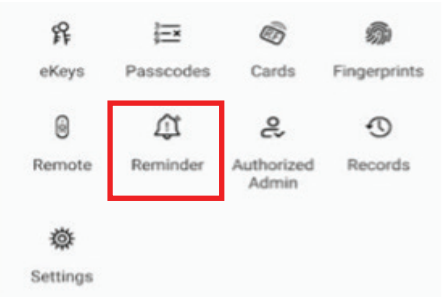
Family member arrived home:
Notifies the administrator when a designated family member unlocks the door.

N days without door opening:
Sends a reminder if the door has not been opened for a specified number of days.

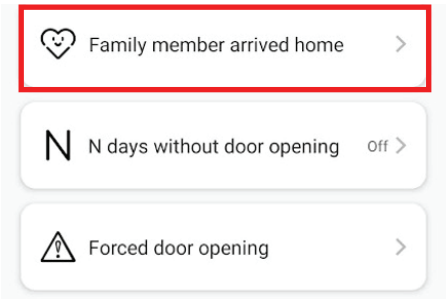
Forced door opening:
Alerts the administrator when the door is forced open without authorised unlocking.

Low battery:
Provides a warning when the lock battery level is low and needs replacement.

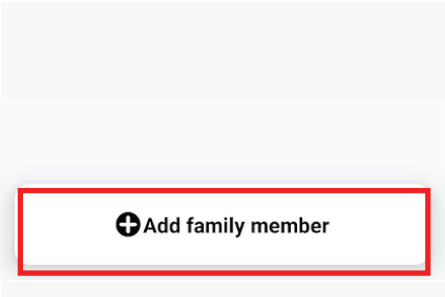
4.7.1 FAMILY MEMBERS ARRIVED HOME



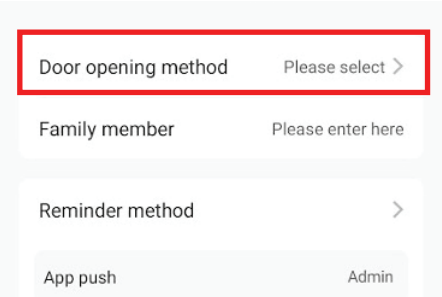
1. Select the “Reminder” button



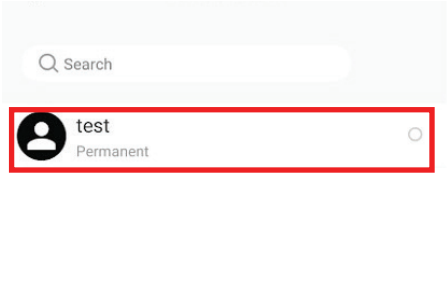
2. Select the “Family member arrived home” button



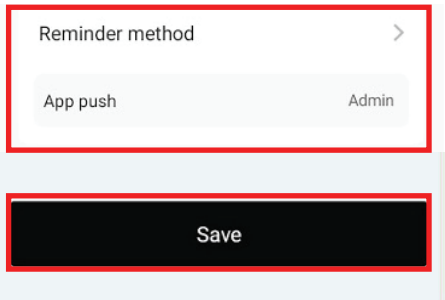
3. Select the “Add family member” button



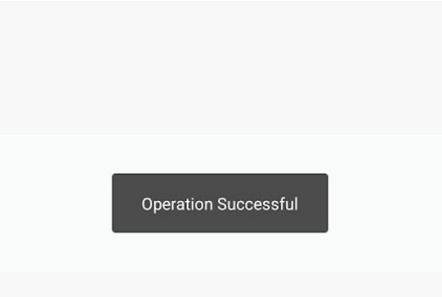
4. Select the “Door opening method” button



5. Select the desired user for notifications and press “Next”

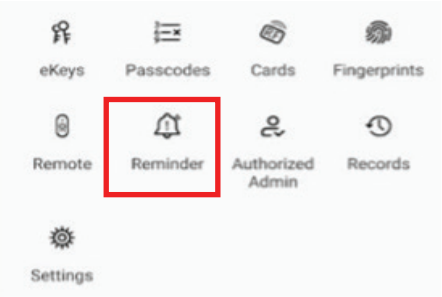


6. Select the desired reminder method and press “Save”

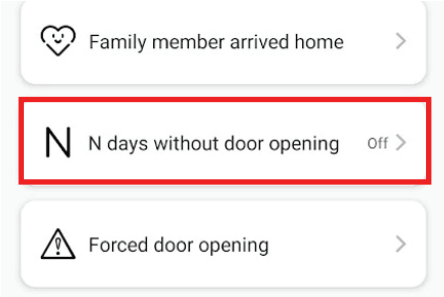


7. You will recieve a success notification

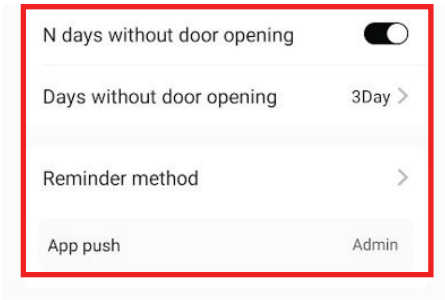
4.7.2 N DAYS WITHOUT DOOR OPENING



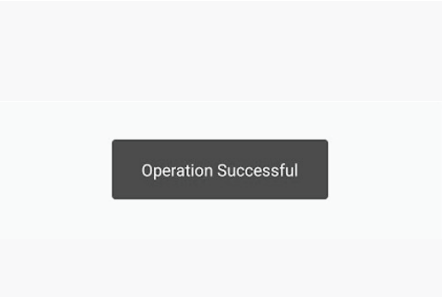
1. Select the “Reminder” button



2. Select the “N days without door opening” button

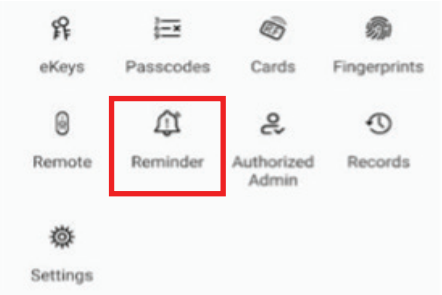


3. Turn function on, set number of days and reminder method

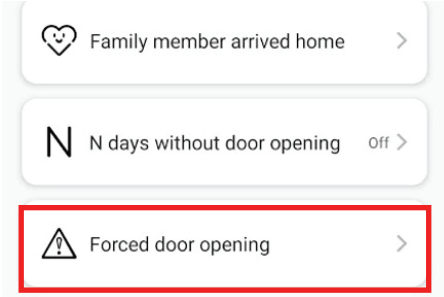


4. You will recieve a success notification

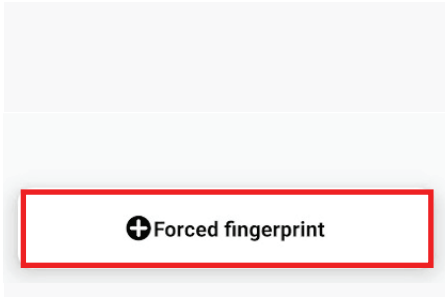
4.7.3 FORCED DOOR OPENING



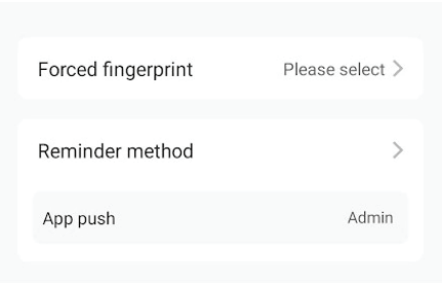
1. Select the “Reminder” button



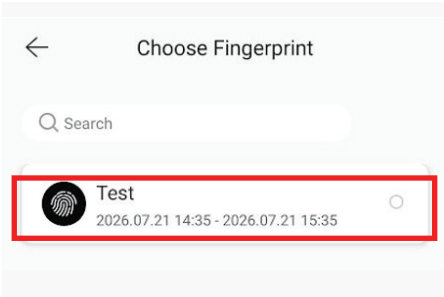
2. Select the “Forced door opening” button



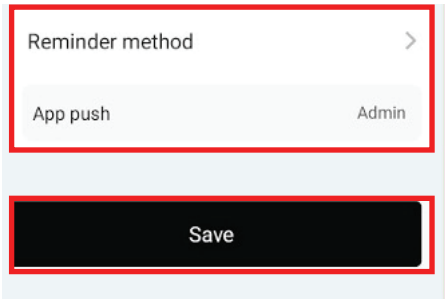
3. Select “Forced fingerprint”



4. Select “Forced fingerprint” again

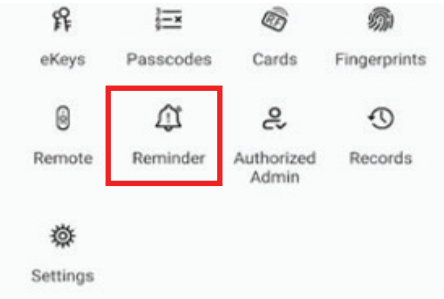


5. Select the desired fingerprint for notifications and press “Next”

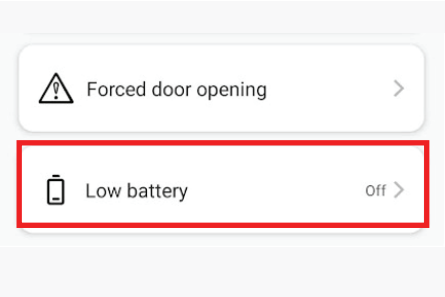


6. Select the desired reminder method and press “Save”

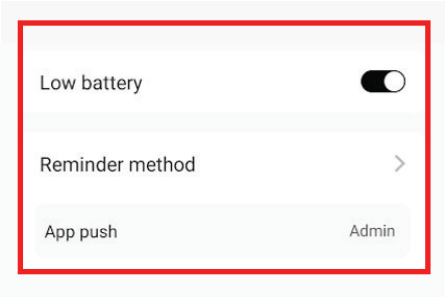
4.7.4 LOW BATTERY



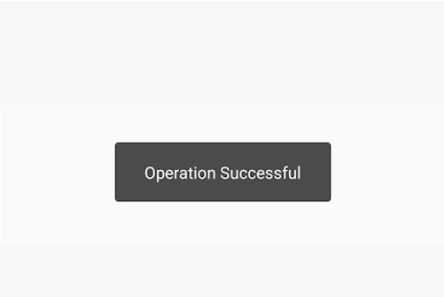
1. Select the “Reminder” button



2. Select the “Low battery” button



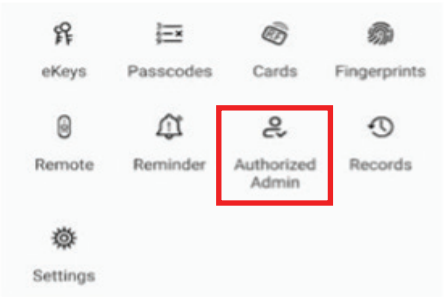
3. Turn function on, and set reminder method



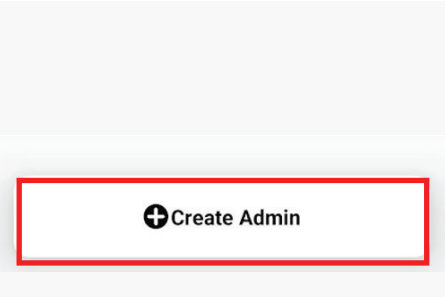
4. You will recieve a success notification

4.8 AUTHORISED ADMIN

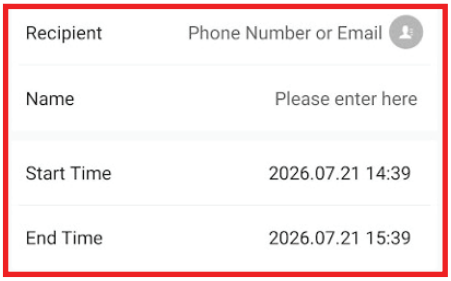
The authorised administrator area allows designated admins to manage lock settings, user access, unlock methods, and system notifications to ensure secure and controlled operation of the lock.



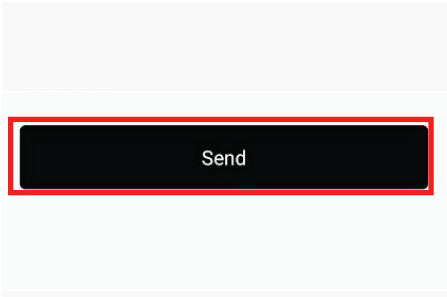
1. Select the “Authorized Admin” button



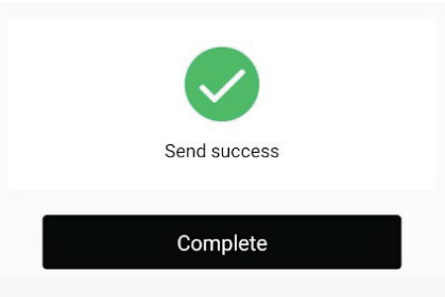
2. Select the “Create Admin” button



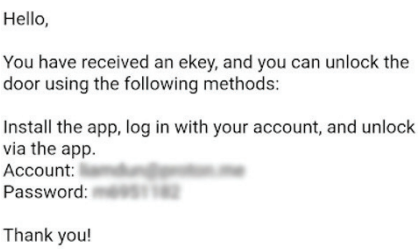
3. Enter new admin details (phone or email)



4. Select ”Send”



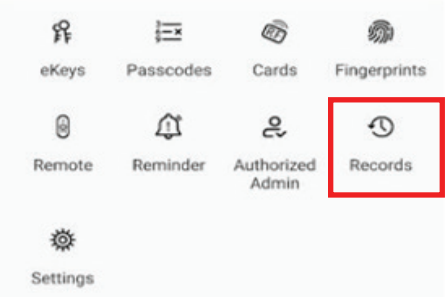
5. You will recieve a success notification



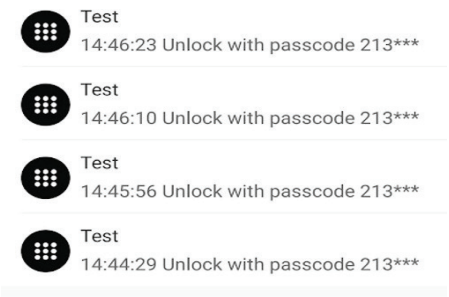
6. Reciepient will recieve an email with login details

4.9 RECORDS

The records section provides a detailed log of lock activity, including unlock events, user actions, and system notifications, allowing administrators to review and track access history.



1. Select the "Records" button



2. Browse and search historical records

5. FAQ

How to read operation records?

In the Records of the main interface.

Why can't I unlock my lock after turning off passage mode?

You need to perform an unlock verification in any method, then the passage mode will take effect.

My lock is now perminently offline due to excessive password attemps

If you enter your unlock method more than five times, the lock will enter standby mode for 90 seconds before you can retry to unlock the door.

My keypad won't turn on after installation or does not respond

a) first check that the positive and negative electrodes of the battery have been installed upside down, whether the battery has enough power

b) Remove the back panel and see if it's connected

c) Remove the lock body and check whether the internal wires of the lock are squeezed, and the re-wire

I cannot register my fingerprint

Check the fingers for dirt or wear, and check the fingerprint sensor on the lock for dirt or oil residue. Test the fingerprint function by pressing the sensor to confirm it responds correctly.

My lock is using the batteries faster than expected

Check to see if the circuit and wiring on the internals of the lock are correct.

Set the lock to WiFi Sleep Mode

The outside handle is unlocked, but the door has confirmed that it should be locked. If I pull the handle up, the door will open.

Ensure that the triangle on the clutch is facing the correct direction on the internal of the lock.

6. SUPPORT

For technical and sales support please contact Lion Head Locks on the below details.

INFO@LIONHEADLOCKS.COM.AU

WWW.LIONHEADLOCKS.COM.AU