KPFA-BT

Multi-functional access controller with Bluetooth programming

User Manual

Fingerprint Unlock   Password unlock   Mifare Card   Waterproof IP66

Introduction

The keypad uses Nordic 51802 Bluetooth chip as the main control and supports low power Bluetooth (BLE 4.1.)

Access is by PIN, proximity, fingerprint, remote control or mobile phone. All users are added, deleted and managed through the user friendly TTLOCK App. Access schedules can be assigned to each user individually, and records can be viewed.
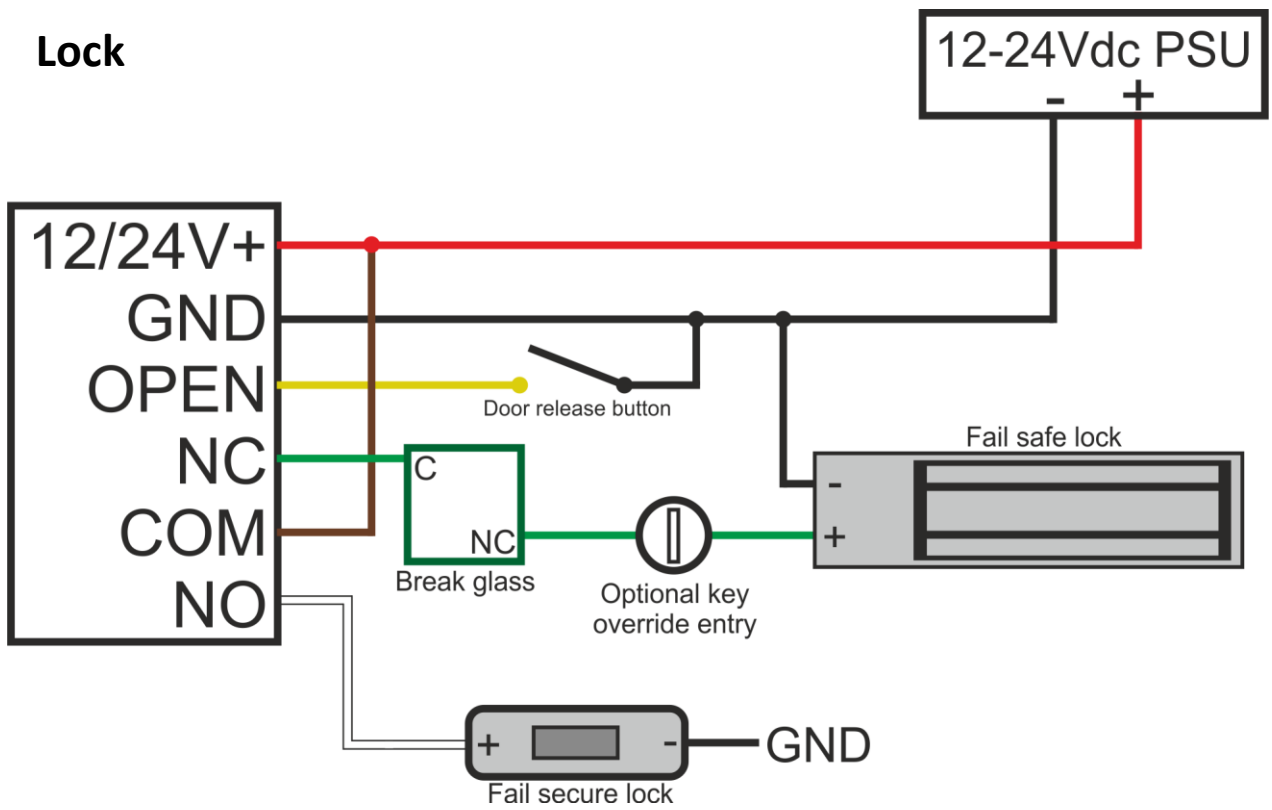
Specification

Bluetooth	BLE4.1
Mobile phone	Android 4.3 / iOS 7.0 minimum
PIN user capacity	Custom password: 150 Dynamic password: 150
Card user capacity	200
Fingerprint user capacity	100
Card type	13.56MHz Mifare
Card reading distance	0-4cm
Keypad	Capacitive TouchKey
Operating voltage	12-24Vdc
Working current	<80mA
Relay output load	<2A
Operating temperature	-20 to +60 C
Operating humidity	0%RH – 98%RH
Waterproof	IP66
Housing	Zinc-alloy
Dimensions	148 x 43.5 x 22mm

Wiring

Terminal	Notes
DC+	12-24Vdc +
GND	Ground
OPEN	Exit button (connect other end to GND)
NC	Normally closed relay output
COM	Common connection for relay output
NO	Normally open relay output

Lock

12-24Vdc PSU
− +

12/24V+
GND
OPEN
NC
COM
NO

Door release button

C

NC
Break glass

Optional key
override entry

Fail safe lock
−
+

Fail secure lock
+ − GND

Gate, barrier, etc

12-24Vdc PSU
− +

12/24V+
GND
OPEN
NC
COM
NO

Door release button

Connect to activate terminals on gate/barrier
control panel, auto door operator, etc.
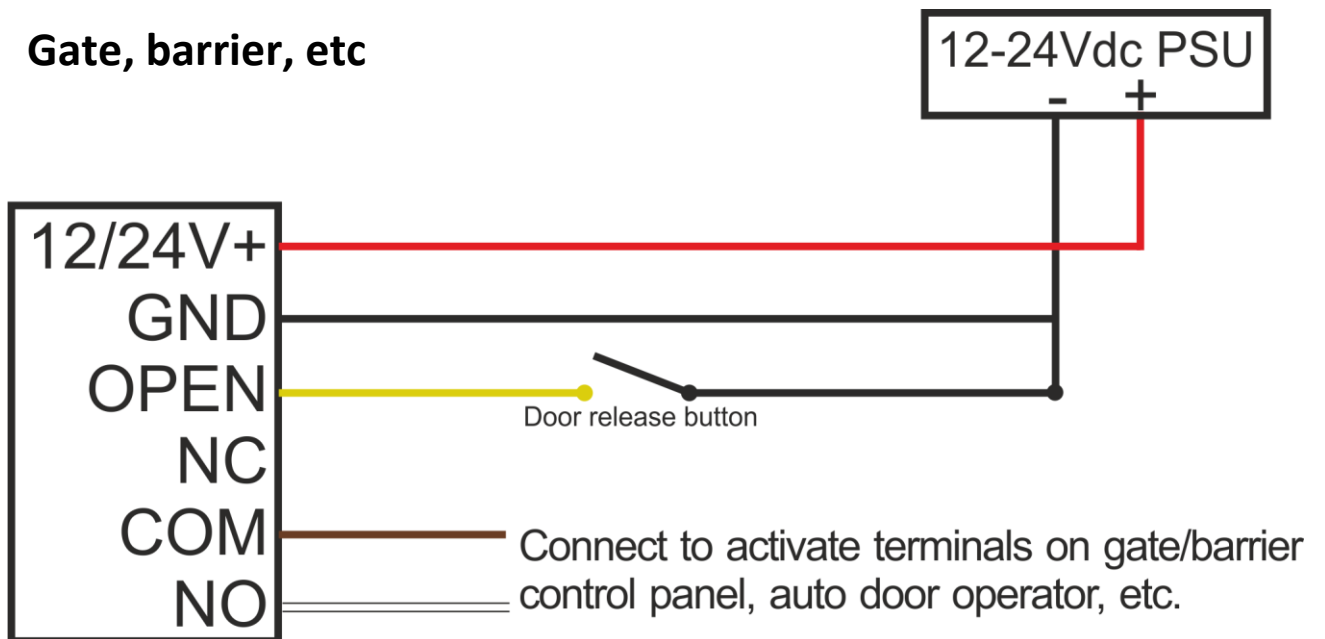
App operation

1. Download App

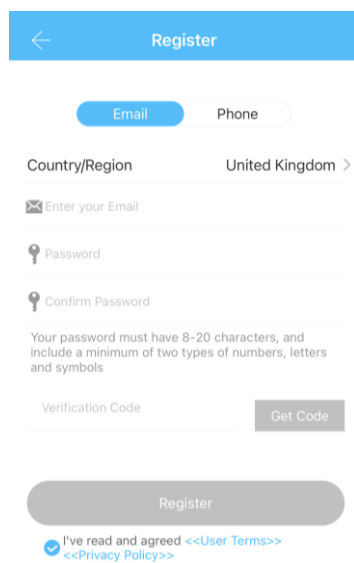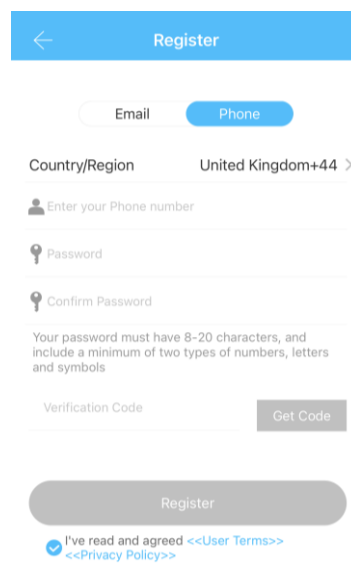Search 'TTLock' on App store or Google Play and download the App.

IOS-APP

Android-APP

2. Register and Login

Users can register using either their email or mobile number, no other information is required, simply choose a password. When registering users will receive a verification code which will need to be entered.
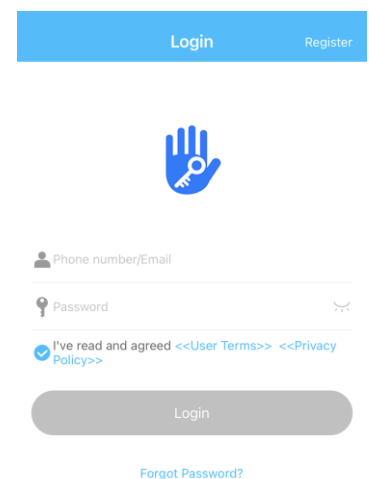
Note: If password is forgotten, it can be reset by registered email or mobile number.

3. Add device

Firstly, ensure Bluetooth is turned ON.
Click the + or the 3 lines followed by Add lock.
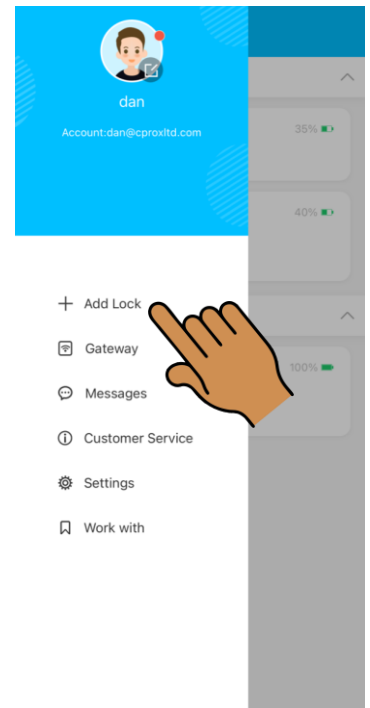
Click 'Door Lock' to add. Touch any key on the keypad to activate it and click 'Next'.
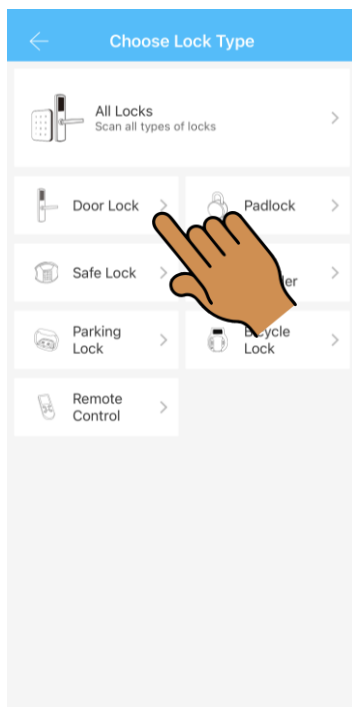
The device will be found and can be renamed.

4. Send eKeys

You can send someone an eKey to give them access via their phone.
Note: They must have the App downloaded and be registered to use the eKey. They must be within 2 metres of keypad to use it. (Unless a gateway is connected and remote opening enabled).
eKeys can be timed, permanent, one-time or recurring.
Timed: Means a specific time period, for example 9.00 02/06/2022 to 17.00 03/06/2022
Permanent: Will be valid permanently
One-time: Is valid for one hour and can only be used once
Recurring: It will be cycled, for example 9am-5pm Mon-Fri

Choose & set type of eKey, enter user account (email or phone number) and their name.
Users simply tap the padlock to open the door.
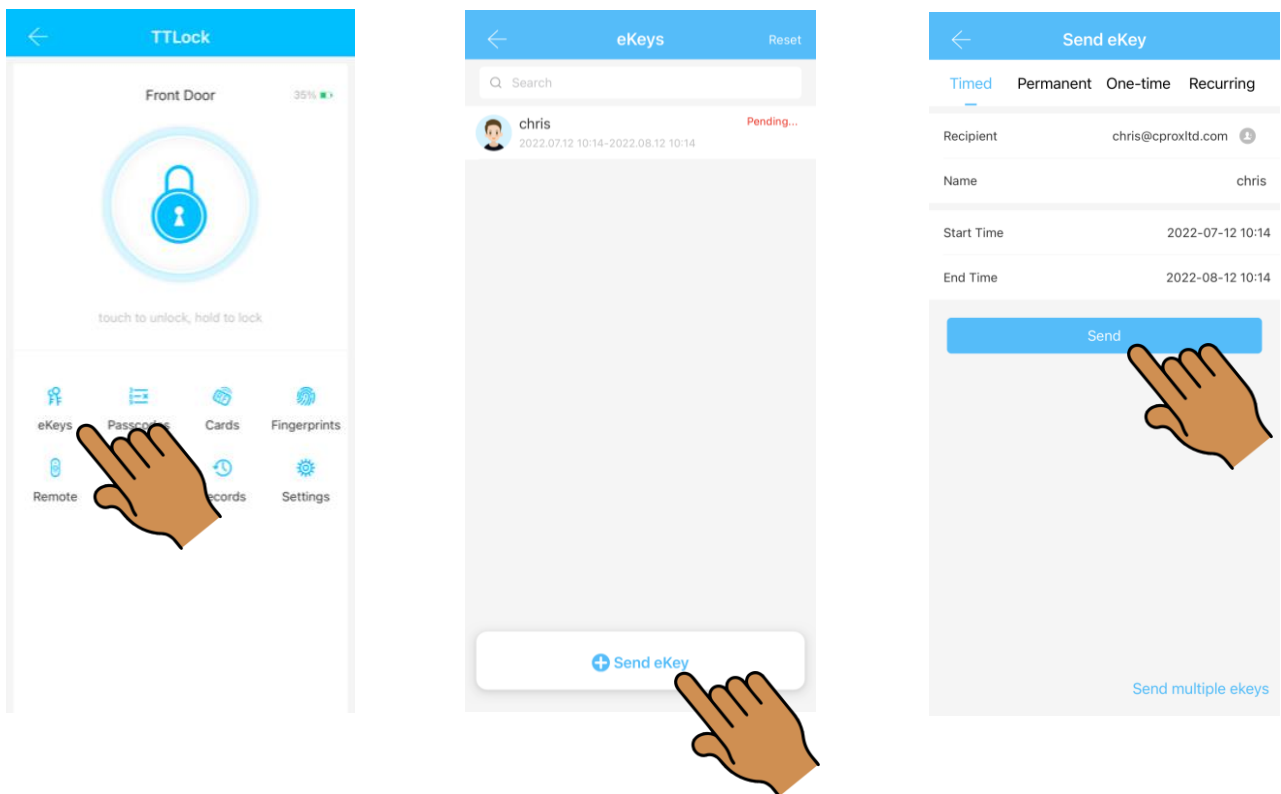
The admin can reset eKeys and manage eKeys (delete specific eKeys or change eKeys' validity period.) Simply tap on the name of the eKey user you want to manage from the list and make the necessary changes.

Note: Reset will Delete ALL eKeys

5. Generate passcode

Passcodes can be permanent, timed, one-time, erase, custom or recurring
The passcode MUST be used at least once within 24 hours of issue time, or it will be suspended for security reasons. Permanent & recurring passcodes must be used once before admin can make alterations, if this is a problem just delete the user and add them again.
Only 20 codes can be added per hour.

Permanent: Will be valid permanently
Timed: Means a specific time period, for example 9.00 02/06/2022 to 17.00 03/06/2022
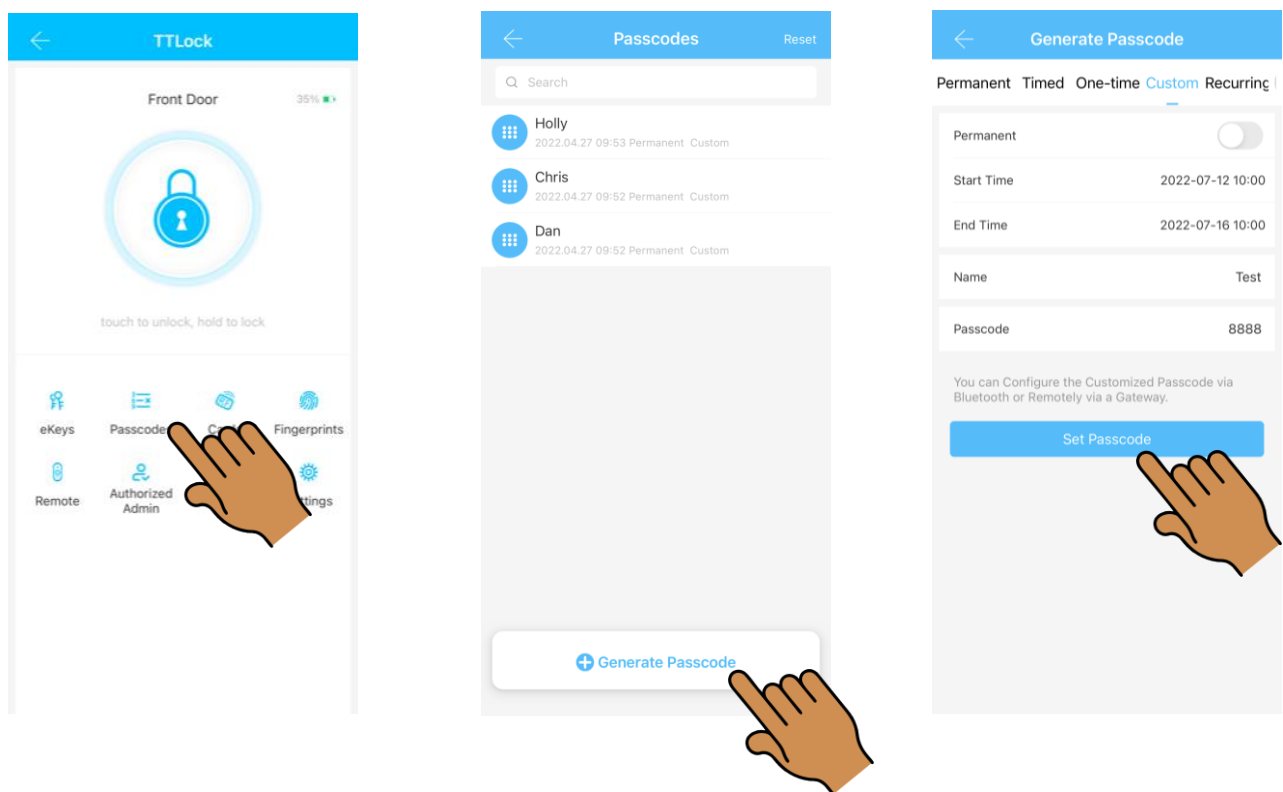**One-time**: Is valid for one hour and can only be used once
Erase: CAUTION – All passcodes on the keypad will be deleted after using this passcode
Custom: Configure your own 4-9 digit passcode with custom validity period
Recurring: It will be cycled, for example 9am-5pm Mon-Fri

Choose and set type of passcode and enter the user's name.

Admin can reset passcodes and manage passcodes (delete, change passcode, change validity period of passcodes and check passcodes' records). Simply tap on the name of the passcode user you want to manage from the list and make the necessary changes.

Note: Reset will delete ALL passcodes

Users must touch the keypad to wake it up before entering their passcode followed by #
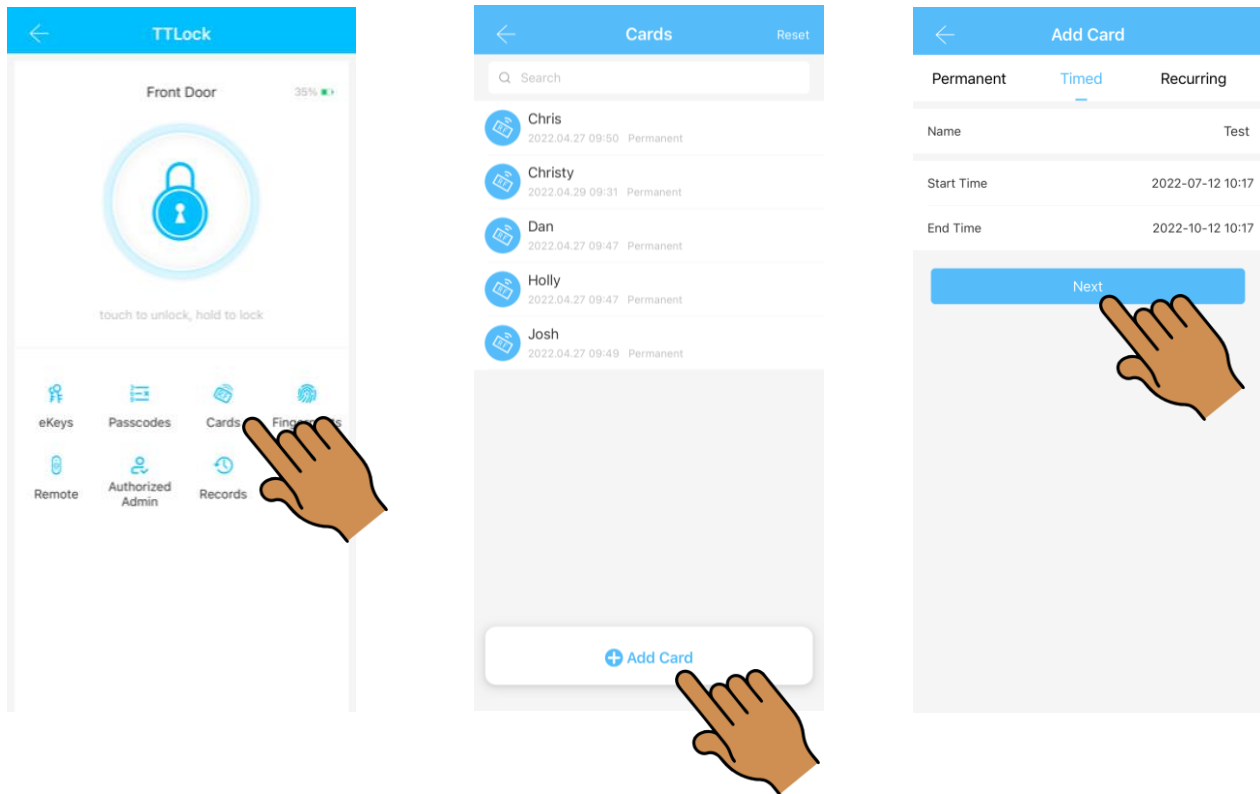
6. Add cards

Cards can be permanent, timed or recurring

Permanent: Will be valid permanently

Timed: Means a specific time period, for example 9.00 02/06/2022 to 17.00 03/06/2022

Recurring: It will be cycled, for example 9am-5pm Mon-Fri

Choose and set type of card and enter the user's name, when prompted read the card on the reader.

Admin can reset cards and manage cards (delete, change validity period and check cards' records). Simply tap on the name of the card user you want to manage from the list and make the necessary changes.

Note: Reset will delete ALL cards.

Users should present the card or fob to the middle of the keypad to open the door.
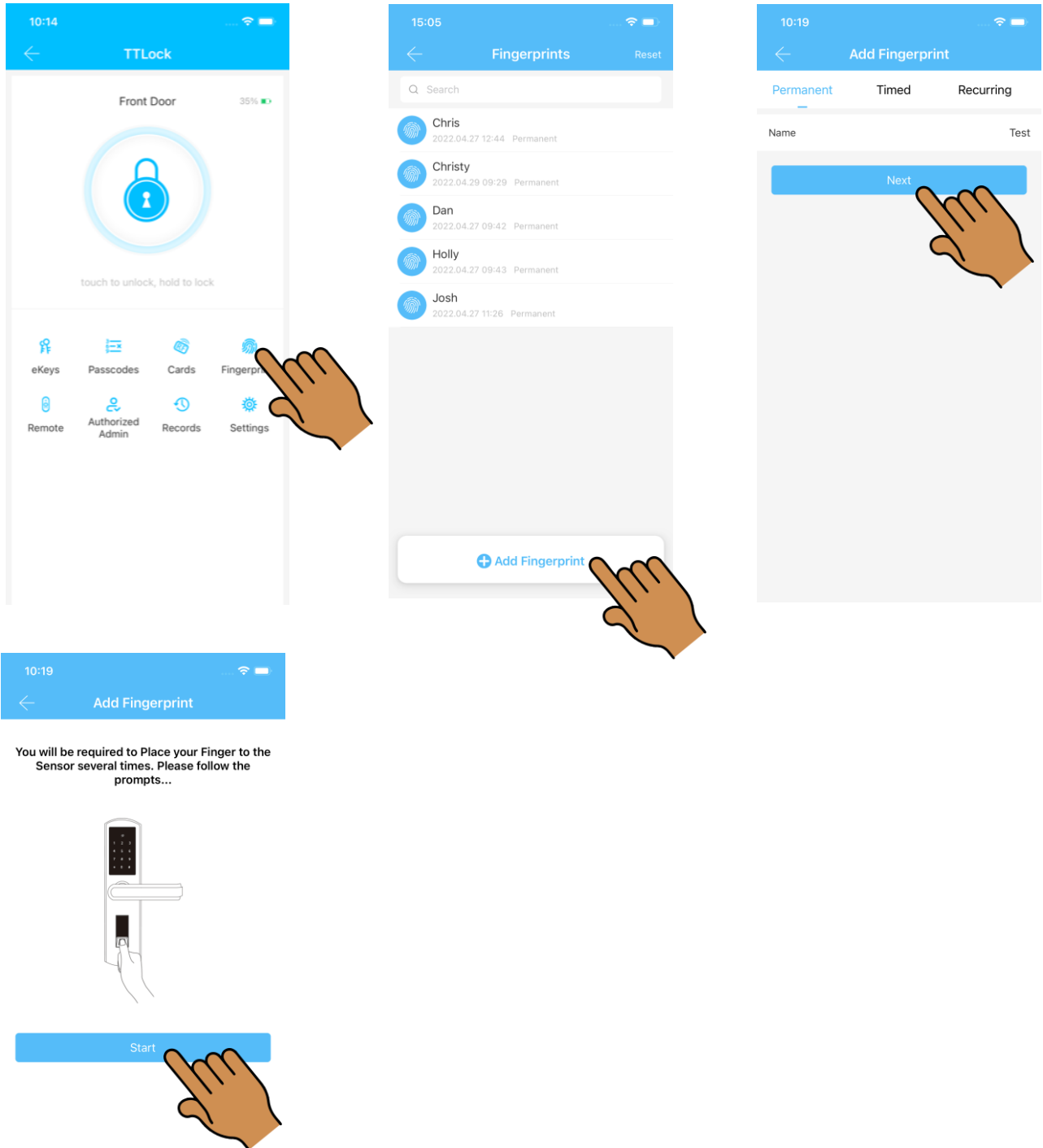
7. Add fingerprints

Fingerprints can be permanent, timed or recurring
Permanent: Will be valid permanently
Timed: Means a specific time period, for example 9.00 02/06/2022 to 17.00 03/06/2022
Recurring: It will be cycled, for example 9am-5pm Mon-Fri

Choose and set type of fingerprint and enter the user's name, when prompted read fingerprint 4 times on the reader.

Admin can reset fingerprints and manage fingerprints (delete, change validity period and check fingerprints' records). Simply tap on the name of the fingerprint user you want to manage from the list and make the necessary changes.
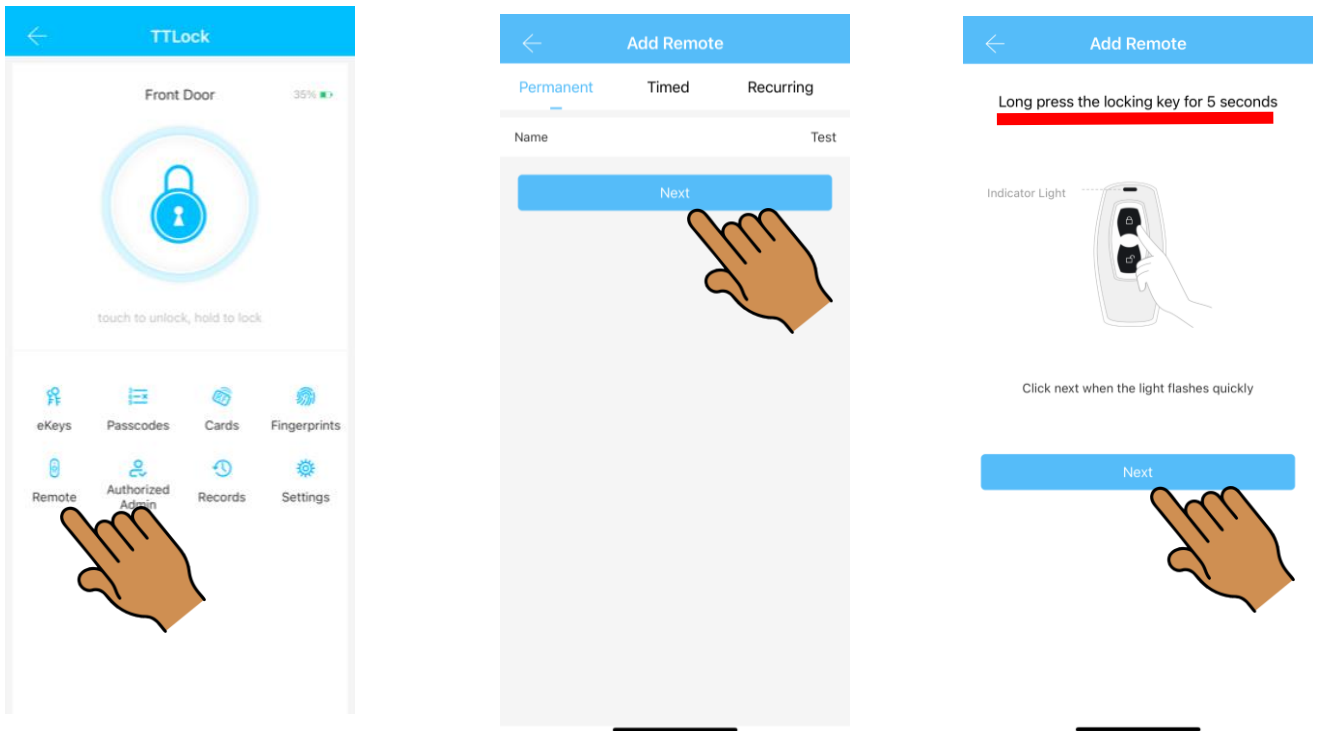
Note: Reset will delete ALL fingerprints.

8. Add remotes

Remotes can be permanent, timed or recurring
Permanent: Will be valid permanently
Timed: Means a specific time period, for example 9.00 02/06/2022 to 17.00 03/06/2022
Recurring: It will be cycled, for example 9am-5pm Mon-Fri

Choose and set type of remote control and enter the user's name, when prompted press the lock (top) button for 5 seconds, then add the remote when it appears on the screen.

Admin can reset remotes and manage remotes (delete, change validity period and check remotes' records). Simply tap on the name of the remote user you want to manage from the list and make the necessary changes.

Note: Reset will delete ALL remotes.

Users should press the unlock padlock (bottom button) to open the door. Press the lock padlock (top button) to lock the door if required. The remotes have a maximum range of 10 metres.

9. Authorised admin

An authorised admin can also add and manage users and view records.
The 'Super' admin (who originally sets up the keypad) can create admins, freeze admin, delete admins, change admins' validity period and check records. Simply tap the admin's name in the Authorised Admin list to manage them.
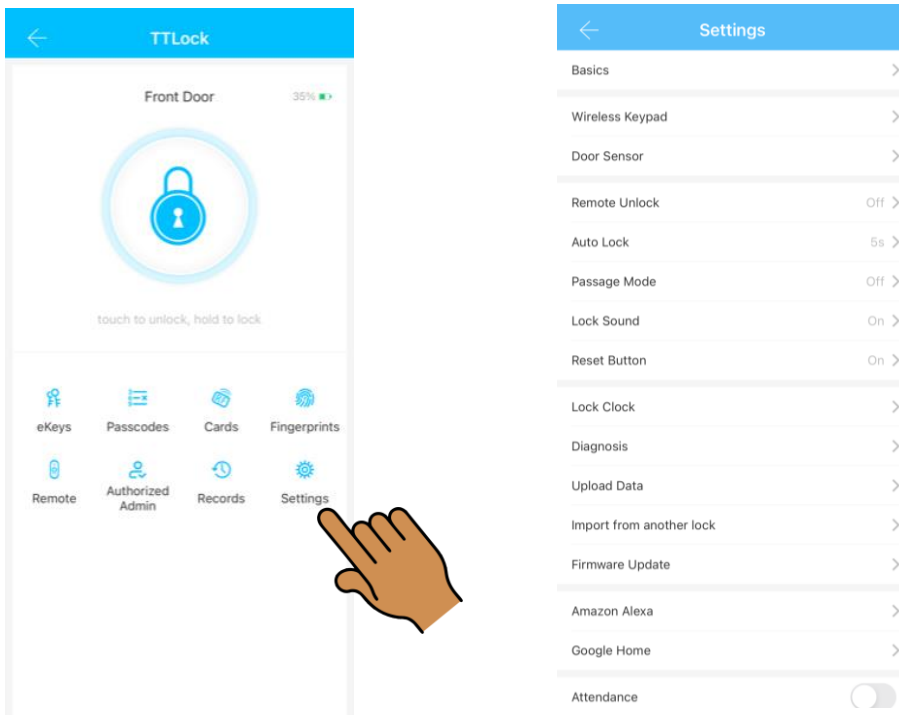
Admins can be permanent or timed.
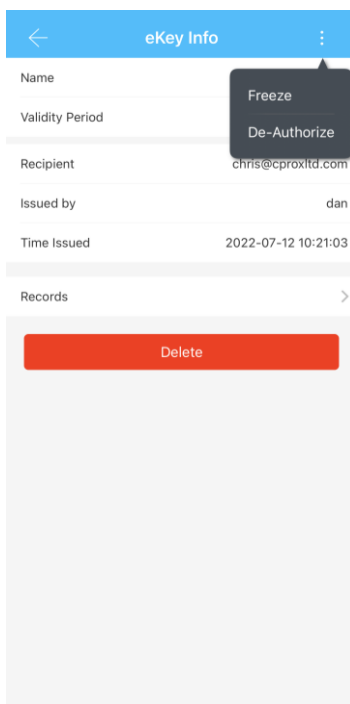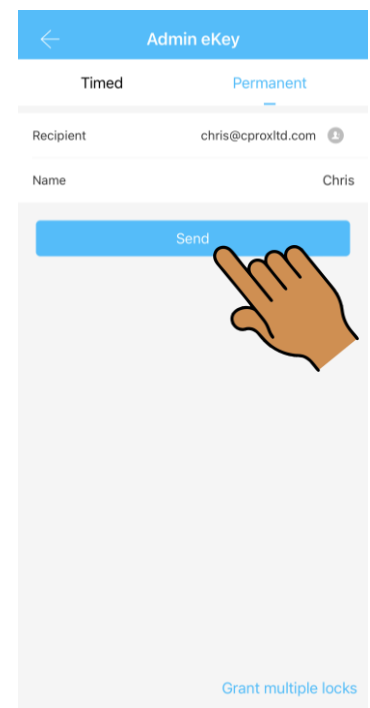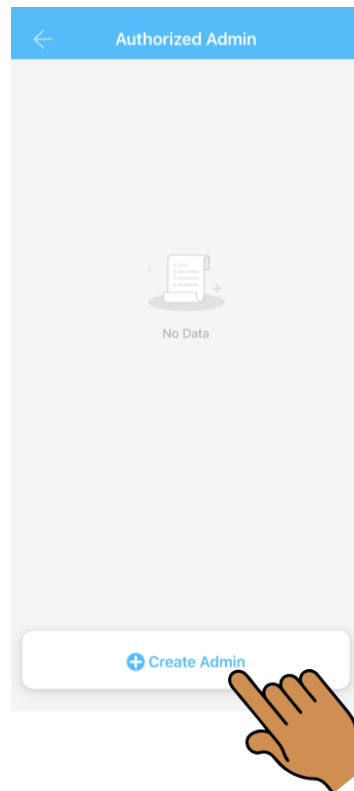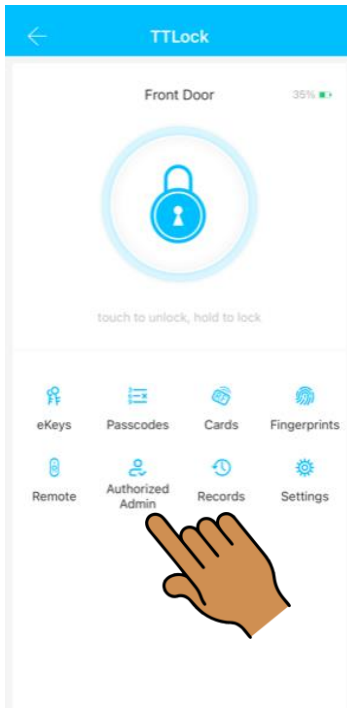
10. Records

Super admin and authorised admins can check all access records which are time stamped.
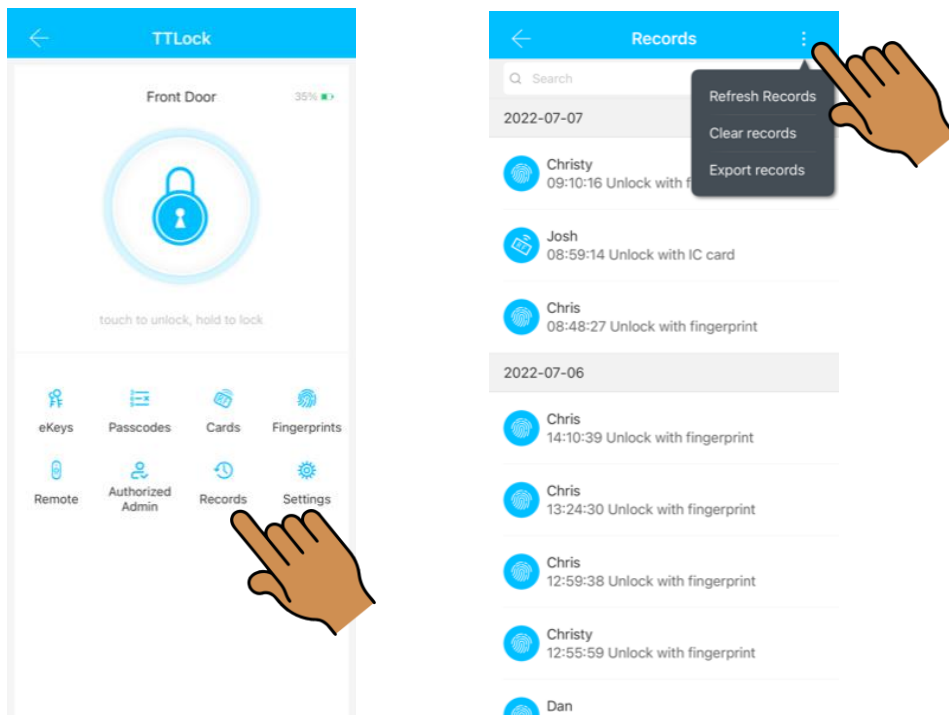
Records can also be exported, shared, and then viewed in an Excel document.

11.   Settings

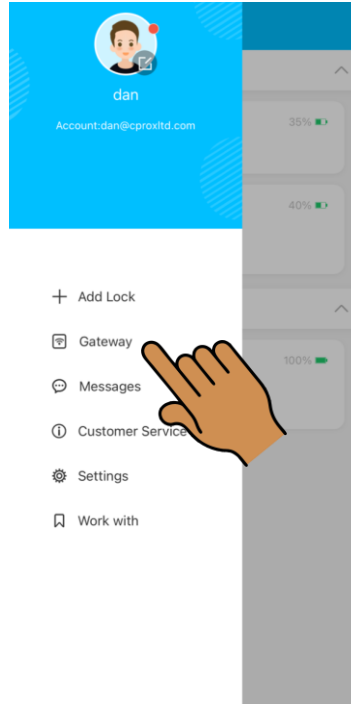| Basics	Basic info about the device.
Gateway	Shows gateways the keypad is connected to.
Wireless keypad	N/A
Door sensor	N/A
Remote unlock	Allows the door to be unlocked from anywhere with an internet connection. Gateway required.
Auto lock	The time the relay switches for. If turned off the relay will latch on/off.
Passage mode	Normally open mode. Set time periods where the relay is permanently open, useful during busy hours.
Lock sound	On/Off.
Reset button	By turning on, you can pair the keypad again by long pressing the reset button on the back of the device. By turning off, the keypad must be deleted from the super admin's phone in order to pair it again.
Lock clock	Time calibrating
Diagnosis	N/A
Upload data	N/A
Import from another lock	Import user data from another controller. Useful if more than one controller on the same site.
Firmware update	Check and update firmware
Amazon Alexa	Details how to setup with Alexa. Gateway required.
Google Home	Details how to setup with Google Home. Gateway required.
Attendance	N/A. Turn off.
Unlock notification	Get notified when the door is unlocked.

12.   Add Gateway

The gateway connects the keypad to the internet, enabling changes to be made and the door to be opened remotely from anywhere with an internet connection.
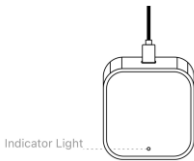Gateway must be within 10 metres of the keypad, less if it is mounted to a metal frame or post.

13. App settings
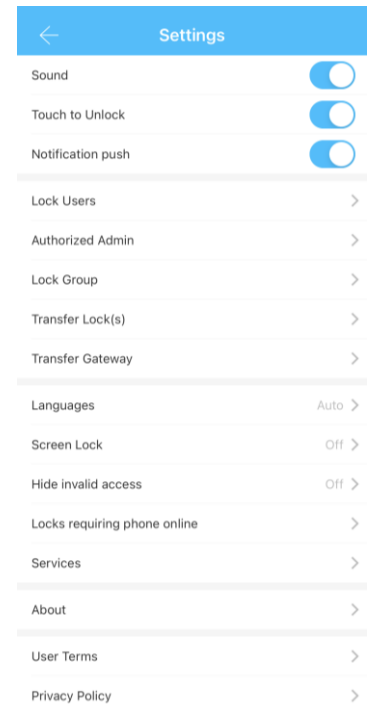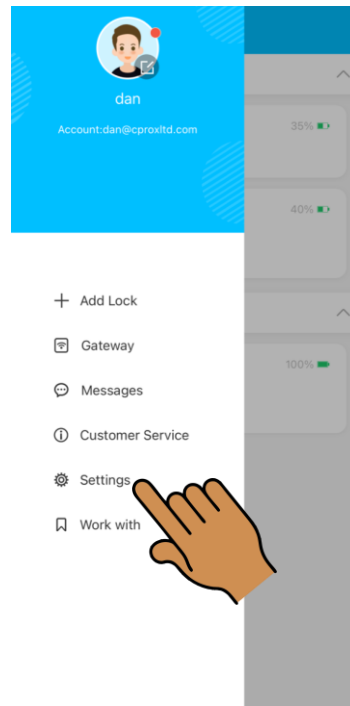
Sound	Sound when unlocking via your mobile phone.
Touch to Unlock	Unlock door by touching any key on the keypad when the App is open.
Notification push	Allow push notifications, takes you to phone settings.
Lock Users	Shows eKey users.
Authorised Admin	Advanced function – assign authorised admin to more than one keypad.
Lock Group	Allows you to group keypads for easier management.
Transfer Lock(s)	Transfer keypad to another user's account. For example to installer can set up the keypad on their phone and then transfer it to the homeowners to manage. Simply select the keypad you want to transfer, select 'Personal' and enter the account name you want to transfer to.
Transfer Gateway	Transfer gateway to another user's account. As above.
Languages	Choose language.
Screen Lock	Allows fingerprint/face ID/password to be required before opening App.
Hide invalid access	Allows you to hide passcodes, eKeys, cards and fingerprints which are invalid.
Locks requiring phone online	The user's phone is required to be online to unlock the door, select which locks it applies to.
Services	Additional optional paid services.