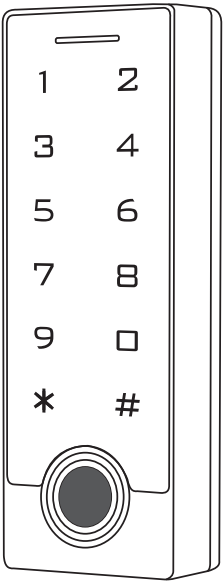
TT Lock Intelligent Access Control User Manual



1.Description

This series of products adopts the Telink 8251 microcontroller design and supports low-power Bluetooth (BLE 5.0). It is powerful, stable and reliable. It is a new generation of multi-functional access control integrated machine, which can include multiple functions such as card reader mode and integrated machine mode. It can be used in different occasions and is widely used in offices, homes, villas, banks, prisons and other places.

1) Mobile Phone Bluetooth unlocking: Based on low-power Bluetooth technology, you can easily unlock the door through the mobile phone APP.
2)Remote electronic key distribution: Electronic keys can be sent to tenants at any time, and the validity period of each electronic key can be flexibly set, or electronic keys can be frozen/unfrozen.
3)Password unlocking:unlock the lock by entering a password that is valid within a certain period of time by touching the numeric keyboard.
4) Fingerprint unlocking:use the fingerprint that has entered the information to open the door
5)IC card unlocking:use the IC card with entered information to open the door by swiping it.
6)Unlock record monitoring: passwords, IC cards, fingerprints, and APP unlocks are all recorded. After any mobile APP operates the door lock and connects to the network and synchronizes the information, all unlock records can be seen on the administrator APP.

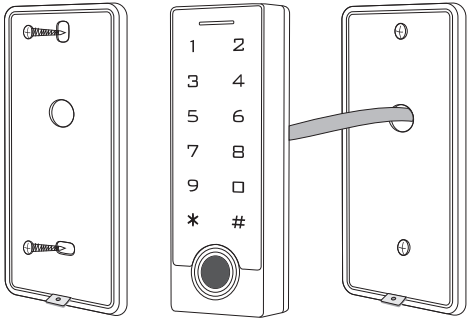
Note: TT Lock smart access control series products are divided into series with fingerprint and without fingerprint. If you choose the series without fingerprint, please ignore the fingerprint operation manual when reading the manual.
Pls press reset key on the PCB board to recover to factory default settings.

2.Specifications

Performance parameters	Bluetooth 5.0BLE,2.4G WIFI
Supported mobile phone systems	Above Android 4.3/ISO7.0 above
Supply voltage	DC12-24V
Working current	<200 mA
Unlocking Time	≈15s
Operating Temperature	-20℃~75℃
Keypad type	Capacitive touch keys
Password Capacity	Customized and permanent password: 250
	Other dynamic passwords: unlimited
Card Type	MIFARE M1 CARD
IC CARD Capacity	1000pcs
Unlocking method	APP, Password, Fingerprint, IC Card
Fingerprint head type	Semiconductor fingerprint sensor
Fingerprint Capacity	100 or 250(optional)
False Recognition Rate (FAR)	<0.001%
True rejection rate	< 1.0%
Wiegand Interface	WG34

3.Installation

Remove the back cover from the keypad using the supplied special screw driver
Drill 2 holes on the wall for the self-tapping screws and I hole for the cable
Put the supplied rubber bungs to into the two holes
Fix the back cover firmly on the wall with 2 self tapping screws
Thread the cable through the cable hole
Attach the keypad to the back cover. (See the figure below)

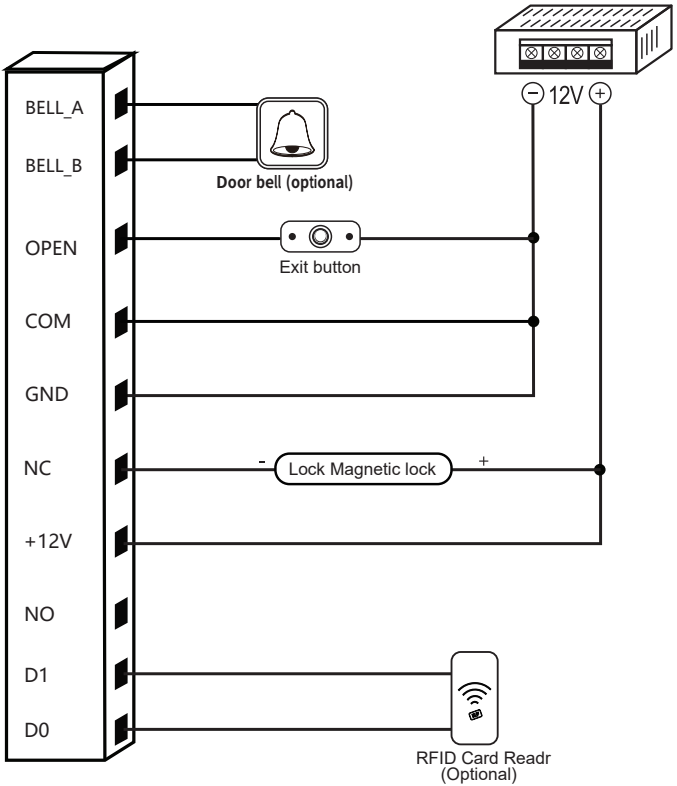


4、Wiring

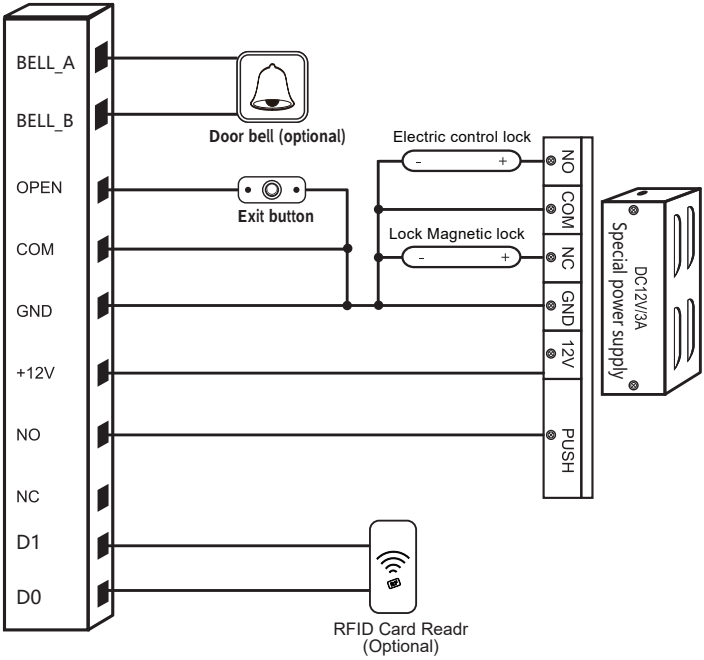
NO.	Marks	Description
1	BELL_A	Doorbell button one end（with fingerprint sensor device has no this function)
2	BELL_B	Doorbell button to the other end（with fingerprint sensor device has no this function)
3	D0	Wigand Signal (Optional)
4	D1	Wigand Signal (Optional)
5	OPEN	Exit button one end(the other end connected GND)
6	+12V	12V + DC Regulated Power Input
7	GND	12V - DC Regulated Power Input
8	NO	Relay NO end
9	COM	Relay COM end
10	NC	Relay NC end

5.Diagram

5.1 common power supply diagram



5.2 Special Power Supply



Factory default settings

1) Touch Keypad Access Control

Press and hold the reset button on the PCB board, and release it after hearing two beeps , reset the factory default settings sucussfully.

Note: All users will be deleted after reset factory default settings

2)Mechanical keypad Access Control

Power off, power on, yellow wire connect GND/ground within 30s, when hearing "di-, didi",realse wires, reset the factory default settings successfully

Close the reset button

Open TTLock APP-Settings-Reset Button-Close

TT LOCK APP MANUAL

1. Scan QR code to download TT LOCK APP or Search TT LOCK on App store to download it.



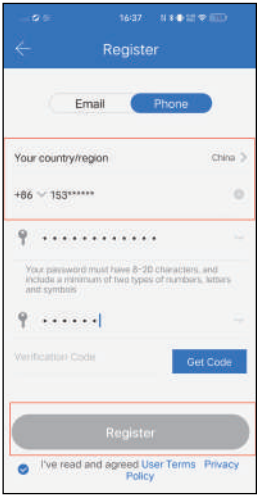
OR

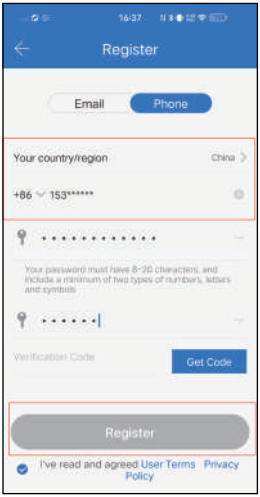


Scan QR code **Search TT LOCK to download APP**

2. Register the APP through your mobile phone number or email, fill in the relevant information and click to register.

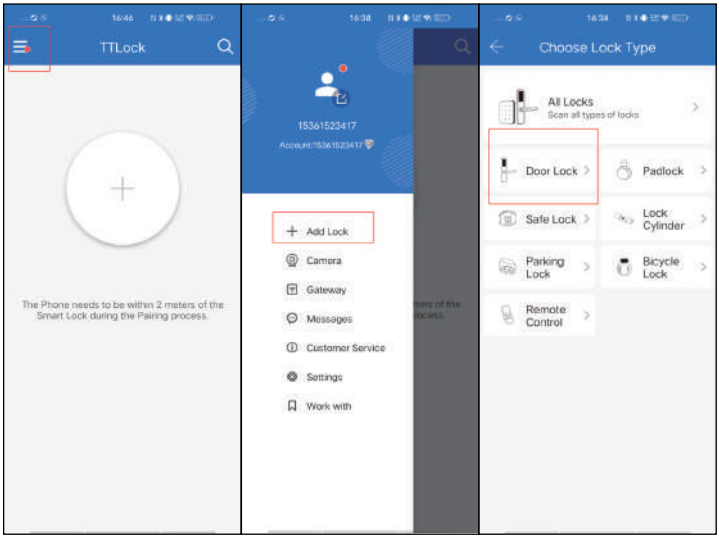
3. Enter the account number and password to log in to the app





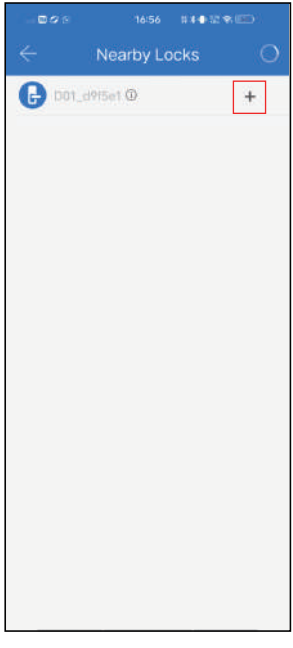
4 Add Lock

Click the drop-down menu, select Add Lock, and select Door Lock

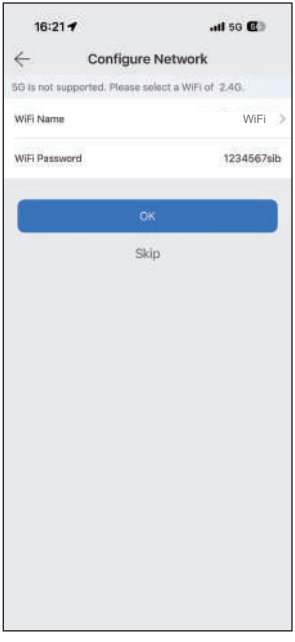


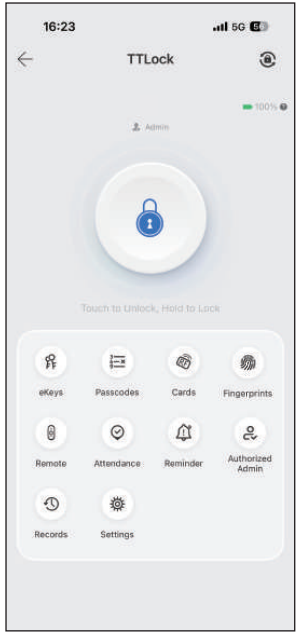
Press the keypad to remind the device and open the bluetooth. Click Next to search and clck the "+" sian to add the lock.





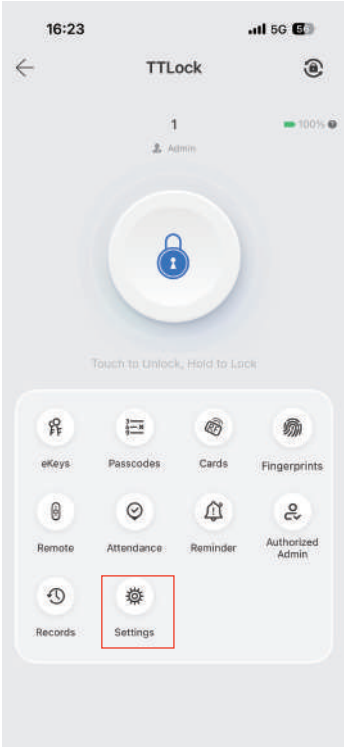
Input WiFi password and press “OK"

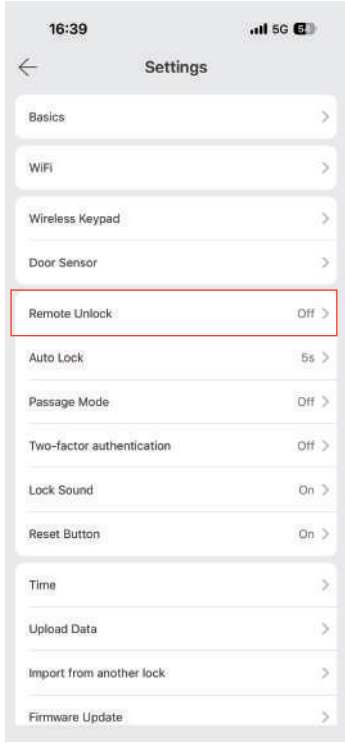


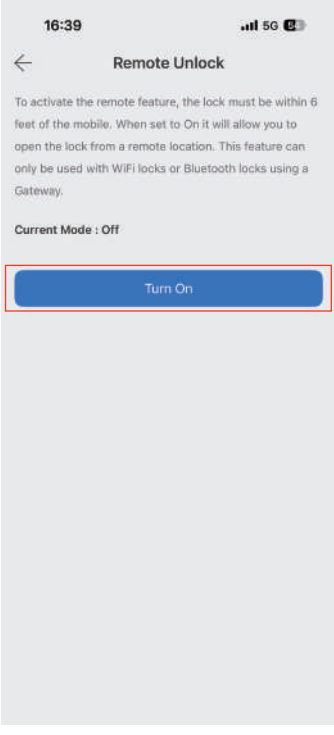


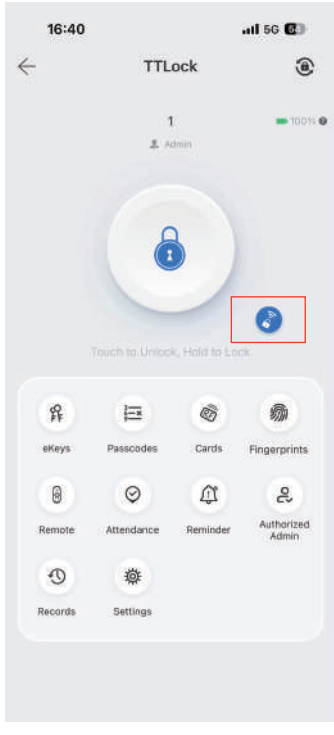
5 Remote Unlock setting

Click Settings-Remote Unlock-Turn on, the device's interface will show the remote unlocking sign " ". Then you can press "



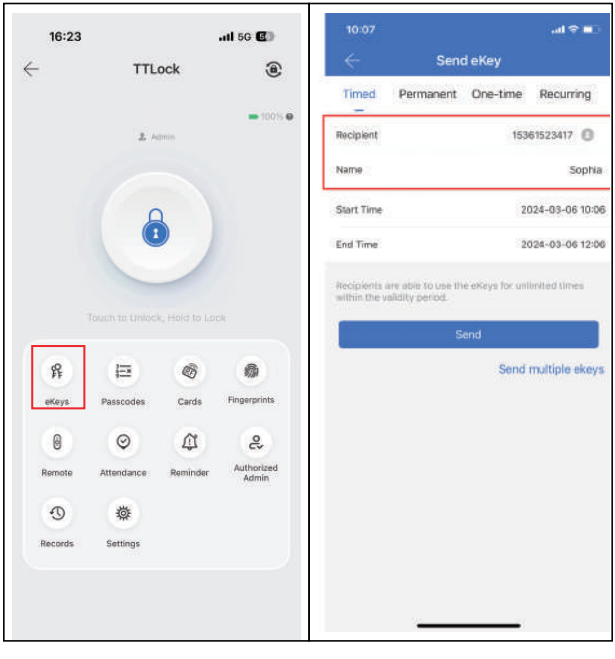



16:39
5G
Remote Unlock
To activate the remote feature, the lock must be within 6 feet of the mobile. When set to On it will allow you to open the lock from a remote location. This feature can only be used with WiFi locks or Bluetooth locks using a Gateway.
Current Mode : Off
Turn On


16:40
5G
TTLock
1
Admin
100%
Touch to Unlock, Hold to Lock
eKeys
Passcodes
Cards
Fingerprints
Remote
Attendance
Reminder
Authorized Admin
Records
Settings

6 Set timed E-keys for recipient

Click "eKeys", Input mobile number or email of recipient and Name, Start time & End time, Click " Send"

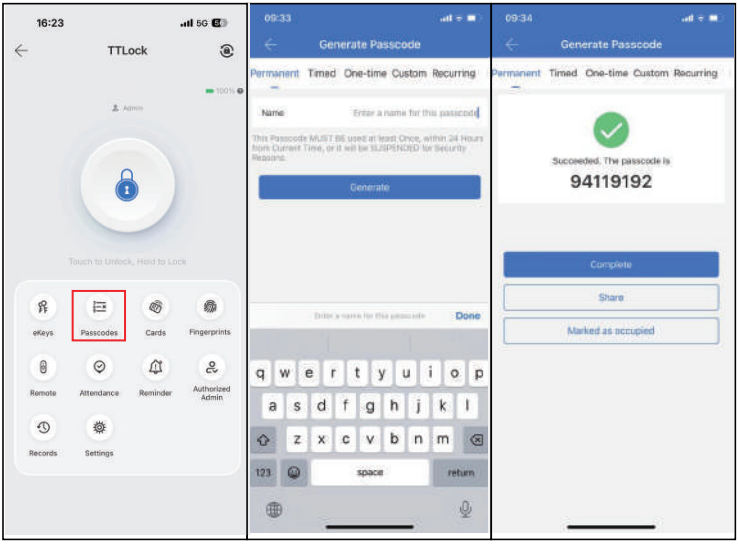


Note:

Timed: Recipients are able to use the ekeys for unlimited times within the validity period.
Permanent: Recipients are able to Lock/ Unlock by this APP.
One-time : The One- time eKey is valid for ONE hour and can only be used ONCE.
Recurring : Recipients are able to use the ekeys for unlimited times within the fixed cycle time.
Real-name authentication: This function is available for a fee.

7 User Passcodes

Click " Passcodes",select Permanent/Timed/One-time/Custom/Recurring, Input releated information,click"Generate" to get one passcode, then click "Complete or Share ".



Note:

Permanent code: This passcode must be used at least Once,within 24 Hours from Current Time, or t will be Suspended for Security Reasons.

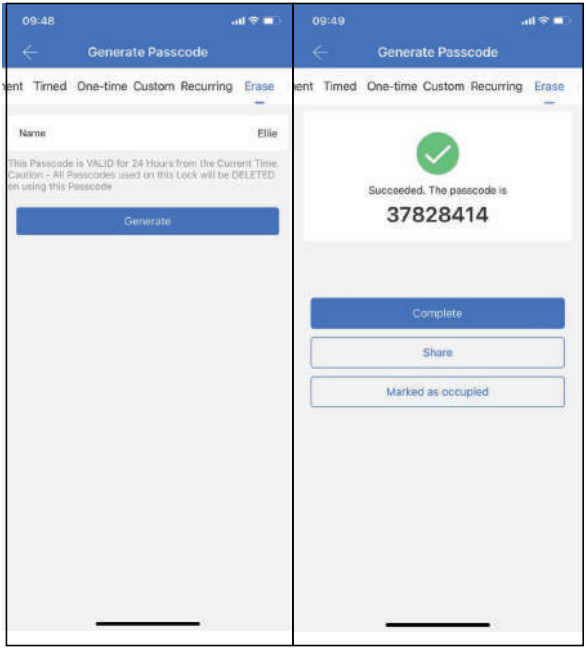
Timed: The passcode can be used for unlimited time within the validity period. This passcode must be used at least Once,within 24 Hours from Current Time, or t will be Suspended for Security Reasons.

One-time : This passcode must be used within 6 Hours from the Current Time or it will be Suspended for Security Reasons. This passcode can ONLY be used ONCE.

Custom: The passcode can be used for unlimited time within the validity period. This passcode must be used at least Once,within 24 Hours from Current Time, or it will be Suspended for Security Reasons.

8 Erase passcode

Select " Erase", input Name, Click "Generate" to get a passcode, then click "Complete or Share"



Note:

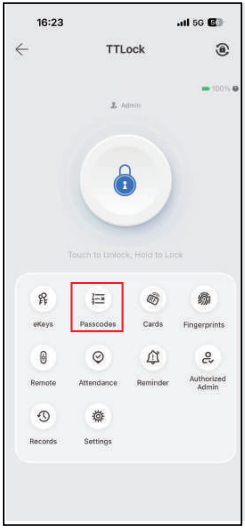
This Passcode is VALID for 24 Hours from the Current Time.

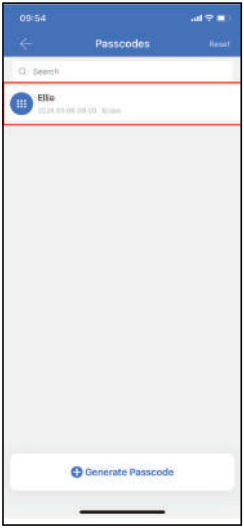
Caution - All Passcodes used on this Lock will be Deleted on using this Passcode.

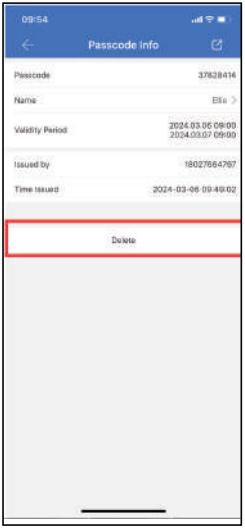
This Erase passcode only to be used for deleting all of used passcodes, it can't open the door.

9 Delete single passcode

Click"Passcode",select the passscode what you want to delete,then click " Delete"

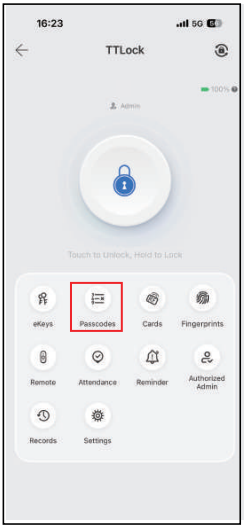


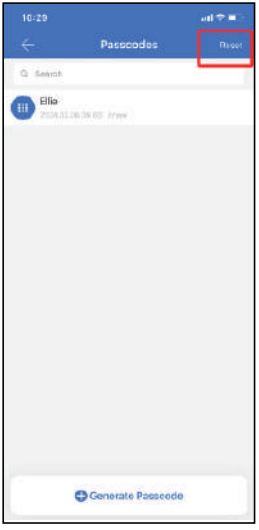


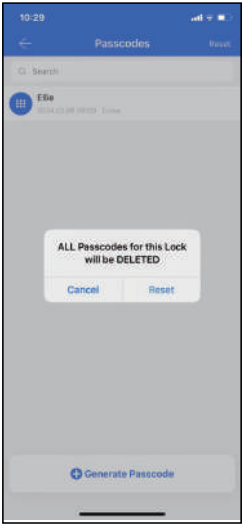


10 Reset passcodes

Click"Passcode"-Reset-Reset, then All passcodes will be deleted

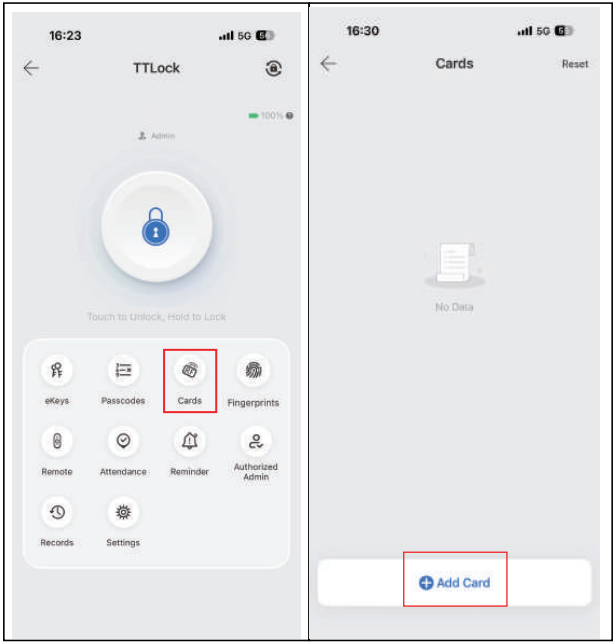


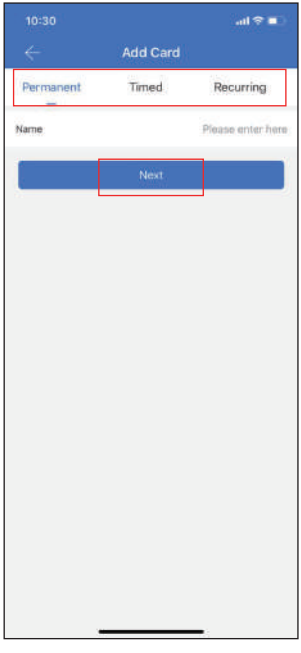


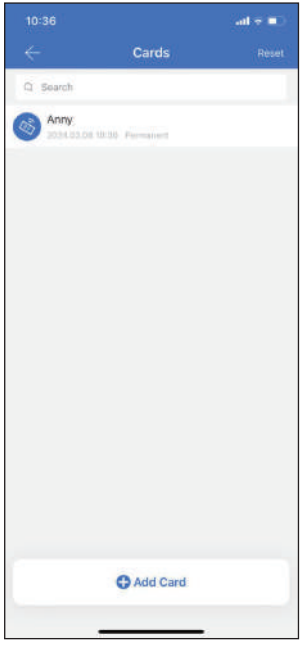


11 Add card user

Click " Cards-Add Card,select Permanent/Timed/Recurring, Input Name, click" Next"

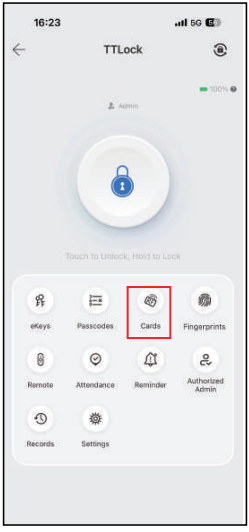


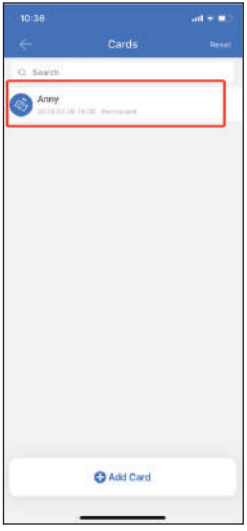

10:30
Add Card
Permanent
Timed
Recurring
Name
Please enter here
Next


10:36
Cards
Reset
Search
Anny
Add Card

12 Delete single user card

Click" Cards", select the card user what you want to delete, then click "Delete"

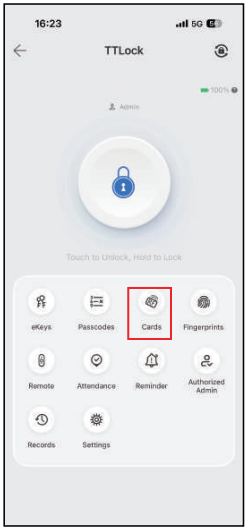


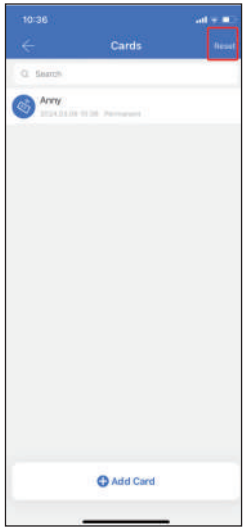


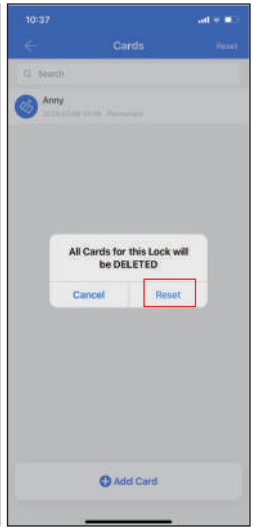


13 Reset cards

Click"Cards-Reset-Reset",then All card users will be deleted

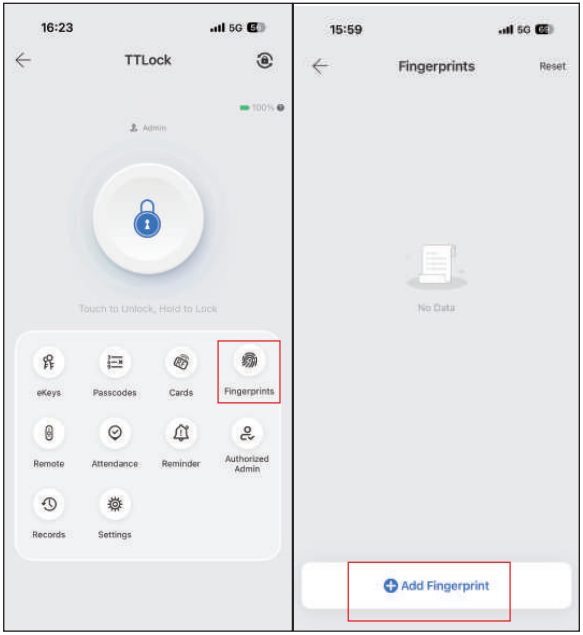


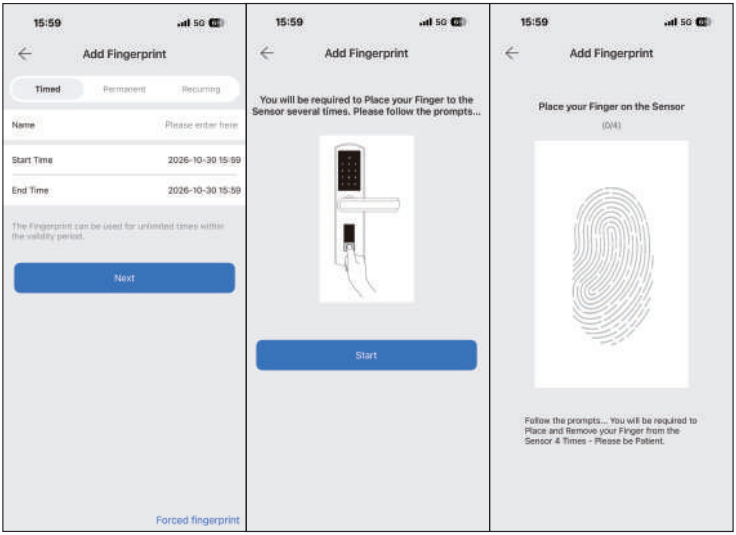




14 Add Fingerprint User

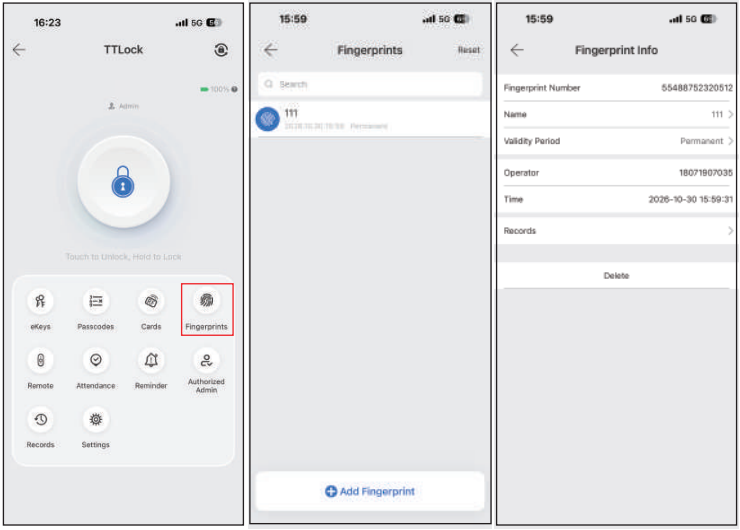
Click“ Fingerprint-Add Fingerprint”， select Timed/Permanent/Recurring , Input related information, click"Next-Start”, then input fingerprint four times on the device.




15:59
5G
Add Fingerprint
Timed
Permanent
Recurring
Name
Please enter here
Start Time
2026-10-30 15:59
End Time
2026-10-30 15:59
The Fingerprint can be used for unlimited times within the validity period.
Next
Forced fingerprint
15:59
5G
Add Fingerprint
You will be required to Place your Finger to the Sensor several times. Please follow the prompts...
Start
15:59
5G
Add Fingerprint
Place your Finger on the Sensor
(0/4)
Follow the prompts... You will be required to Place and Remove your Finger from the Sensor 4 Times - Please be Patient.

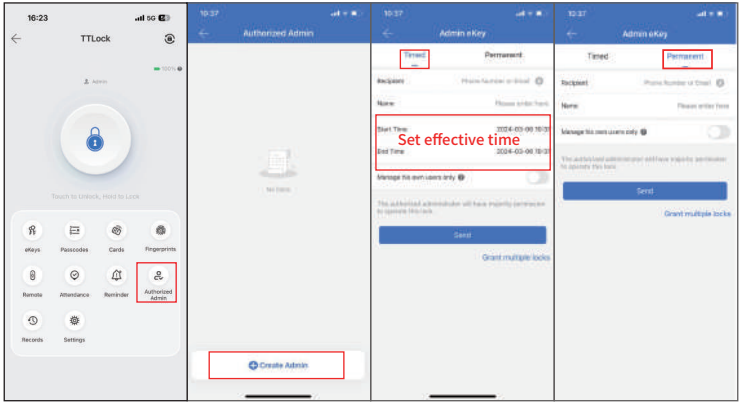
15 Delete Fingerprint User

Click“ Fingerprint, select the fingerprint user what you want to delete,click" Delete"



16 Authorized Admin

Click" Authorized Admin", select Timed/Permanent, Input related information, then click" Send".



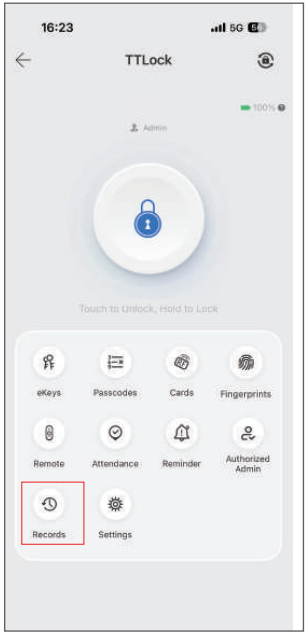
Note:

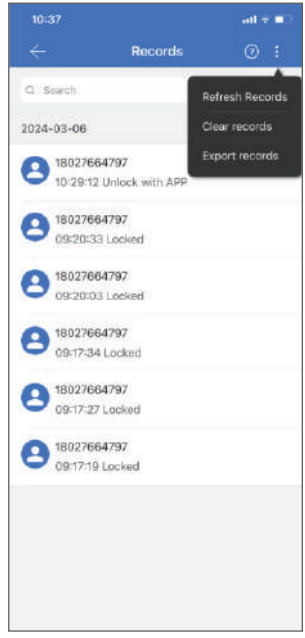
Only manage users created by themselves. Authorized administrator users only manage users created by themselves and do not affect users created by other administrators.

Real-name authentication: Face recognition authentication is a paid function and needs to be purchased before it can be used.

17 View operation records

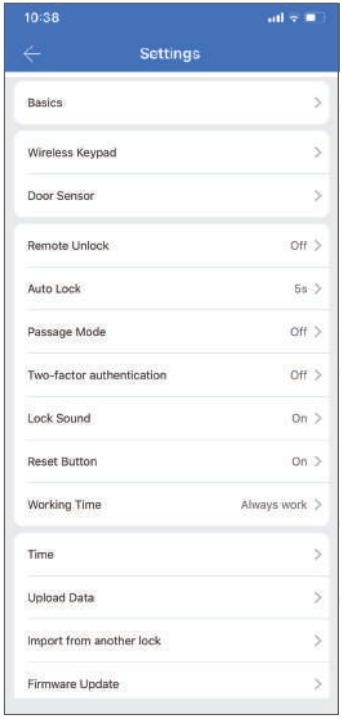
Check/Clear/Export unlocking records Click"Records" to check, Refresh Records has to be operated within bluetooth connected





18 basic settings

Basic settings Click" Settings", select Remote Unlock/Auto Lock/Passage Mode/ Lock Sound/Import from another lock, click" Turn on or Turn off"

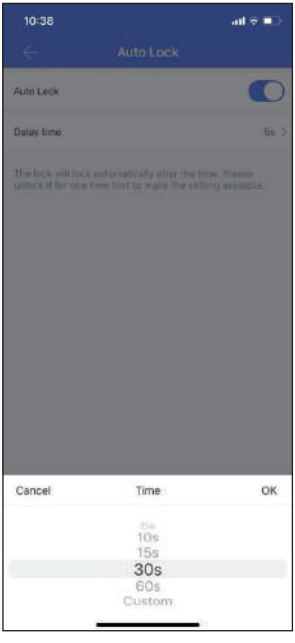


Remote unlocking settings



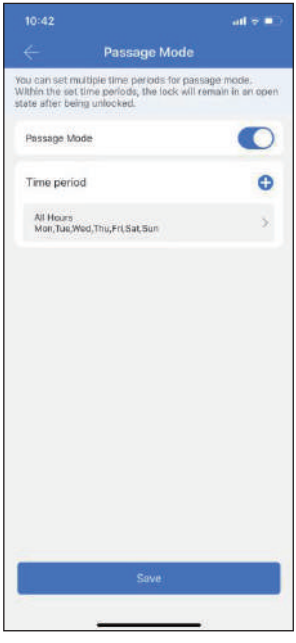
After the function is enabled, you will be able to remotely unlock through the gateway. The activation and deactivation of this function can only be done near the lock via Bluetooth on the phone.

Auto Lock



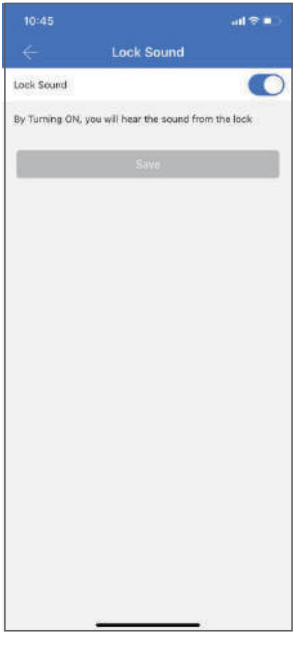
According to setting time,the lock will automatically close.
After opening or modifying the settings, Please open the lock first to make the time effective

Passage Mode



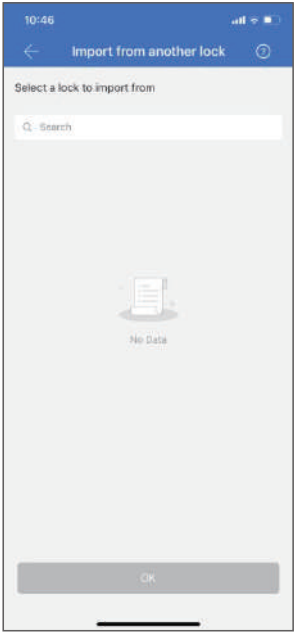
You can set multiple passage mode periods, during passage mode period, once the lock is opened, it will remain open.

Lock Sound



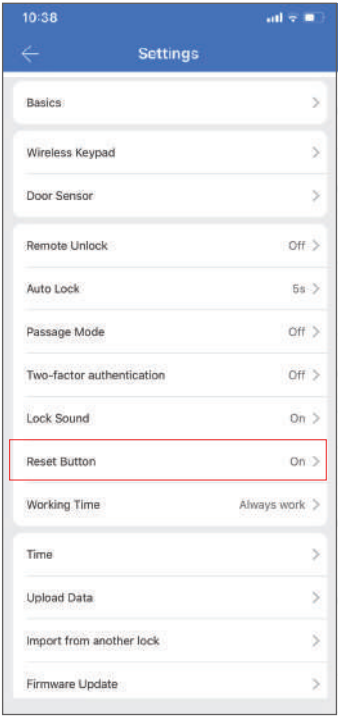
After turn on the lock sound, you will get smart lock beep, including low battery, incorrect password and other prompts.

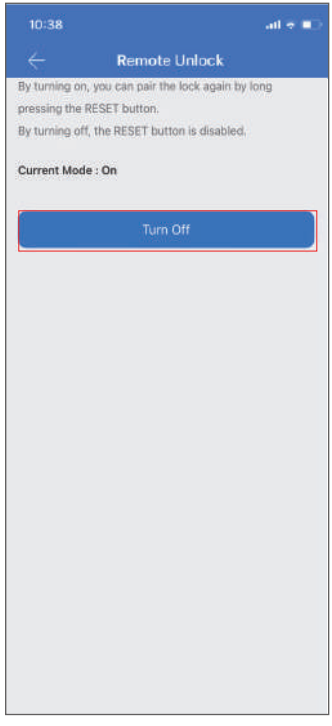
Import from another lock



19 Close the reset button

Open TTLock APP-Settings-Reset Button-Close





Appendix

Keypad Operation

Function	Operation on Keypad
1. Change Master Code	- If there is no mobile phone add the keypad device (that's to say: no Super Admin): *** 12 # 123456 # (New Master Code) # (New Master Code again)** #(Master Code Length: 4-9 digits) - If there is a mobile phone added the keypad device (Super Admin existing):Please change the Master Code through the APP.
2. Add Passcode	*** 80 # (Master Code) # (Passcode) # (Passcode again) #** (Passcode length: 6~9 digits)
3. Delete Passcode	*** 71 # (Master Code) #** This step will delete all passcodes except the Master Code.Note: After deleting on the device, the user information will be updated only after opening the door once.
4. Change Passcode	*** 10 # (Old Passcode) # (New Passcode) # (New Passcode again) #** (Passcode length: 6~9 digits)
5. Add IC Card	*** 80 # (Master Code) # (Read IC Card**
6. Delete IC Card	*** 69 # (Master Code) #** This step will delete all IC Cards.Note: After deleting on the device, the user information will be updated only after opening the door once.

7. Add Fingerprint	*** 80 # (Master Code)#** (Read fingerprint 4 times)
8. Delete Fingerprint	*** 70 # (Master Code) #** This step will delete all FingerprintsNote: AFter deleting on the device, the user information will be updated only after opening the door once
9. Add Face	*** 81 # (Master Code)#** (Scan Face on the device)
10. Delete Face	*** 79 # (Master Code) #** This step will delete all Faces.Note: After deleting on the device, the user information will be updating only after opening the door once.
9. Unlock	Read (valid Card) to unlock Read (valid passcode #) to unlock Press (valid fingerprint) to unlock Scan (valid face) to unlock
10. Temporary Normally Open	When the door is opened (not close yet), press 123#, the keypad will stay in Temporary Normally Open status until an valid user read on the keypad, then the keypad returns to normal status.
11. Passcode Security	For high security the keypad allows you to hid your correct Passcode with other numbers up to a max of 16 digits.
12. * Key	Functions of * key: - Can delete number when input passcode - Can exit from the programming mode - Press * 3 times, can turn off the keypad backlit