

TTLock Smart Access Controller

Available on the App Store 

Google play 

TTLock 



User Manual

20250627_V4

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Introduction

This device is a standalone access controller works with TTLock APP. It supports managing the users (PIN, E-key, Mifare Card) through the APP, also can use APP to unlock. The keypad supports firmware updates, and software functions can be extended through firmware updates.

APP E-key, PIN, Mifare card users can be specified the expiry date (start time - end time), only within the expiry date can unlock. APP supports multiple languages.

This user instruction is suitable for all TTLock access devices from the supplier, including TTLock RFID, TTLock Keypad, TTLock Fingerprint, TTLock Face.

Specifications

Bluetooth / WiFi	BLE Bluetooth (BLE 5.0), 2.4G WiFi
Mobile Phone	Android 4.3/IOS7.0 above
PIN User Capacity	Custom password: 250 dynamic password: No limitation
Card User Capacity	1000
Card Type	13.56MHz Mifare card, M1 card
Fingerprint User Capacity	100 or 500 optional (For Fingerprint version only)
Face Capacity	100 (For Face version only)
Multi-language	English, Spanish, French, German, Italian, Russian, Portuguese, Serbian, Malaysian, Japanese, Vietnamese etc.
Card Reading Distance	2~4 cm
Keypad	Capacitive TouchKey
Operating Voltage	12V DC
Working Current	<80mA
Lock Output Load	<2A
Operating Temperature	-20°C~+60°C
Operating Humidity	0%RH~98%RH
For Outdoor	Waterproof, IP66

Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the keypad might be damaged. (1N4004 is included in the packing)

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Wiring

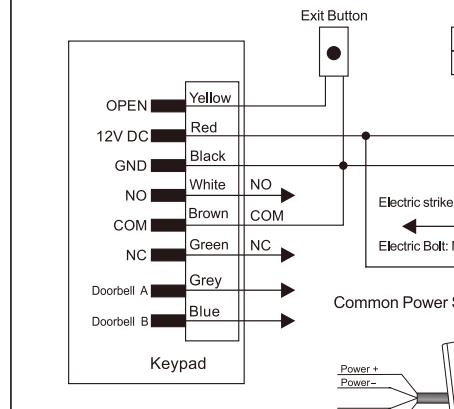
Access Control Power Supply:

Wire Color	Function	Notes
Red	Power +	12V Votes DC Regulated Power Input
Black	GND	Ground
Yellow	OPEN	Request to Exit (REX)
Green	NC	Normally closed Relay Output
Brown	COM	Common Connection for Relay Output
White	NO	Normally Open Relay Output
Blue	Doorbell A	Contact for Doorbell
Grey	Doorbell B	Contact for Doorbell

Note: Doorbell connection is available for Keypad & Face version only

Diagram

Common power supply:



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APP Operation

1. Download APP

Search 'TTLock' on APP store or Google Play to download the APP.

2. Register and Log in

Users can register the account by email or mobile number. When registering, users will receive a 'verification code' from email box or mobile message.

(Note: if password forgotten, it can be reset by registered email or mobile number)

3. Add Device

Add device by clicking '+' on the screen or '≡' on the left. Click 'Door Lock' to add.

4. Send eKey

eKey can be Timed, Permanent, One-time or Recurring. Timed: means specific time period, for example, 2020/1/1 9:00am ~ 2020/2/1 5:00pm. Permanent: Will be valid permanently. One-time: The One-time eKey is valid for ONE hour and can only be used ONCE. Recurring: It will be cycled. For example, valid at 9:00am~6:00pm every Monday~ Friday during April~ Oct.

5. Generate Passcode (NOT available for RFID only version)

Passcode can be Permanent, Timed, One-time, Erase, Custom, or Recurring. The Passcode MUST be used at least ONCE within 24 hours from Current Time, or it will be SUSPENDED for Security Reasons.

Permanent: Will be valid permanently. Timed: means specific time period, for example, 2020/1/1 9:00am ~ 2020/2/1 5:00pm. One-time: The One-time Passcode can only be used ONCE. Erase: This Passcode is VALID for 24 hours from Current Time. Caution - All Passcodes used on this keypad will be DELETED on using this Passcode. Custom: Configure your own Passcode (4~9 digits) with custom valid period. Recurring: It will be cycled. For example, valid at 9:00am~6:00pm (Every Weekends, Weekdays, Mon. Tu. Wed. Thur. Fri. or Daily etc.)

6. IC Cards (Card type: 13.56MHz Mifare card, M1 card)

Users can Clear IC cards, Add IC card, Upload IC cards (from the keypad), Check IC cards' records, Manage IC cards (delete specific IC cards or change specific card's Valid Period). Clear IC cards will DELETE ALL the cards. Add IC cards can be Permanent or Timed.

7. Fingerprint (For Fingerprint version only)

Users can be Timed User, Permanent User or Recurring User, Each User can set ValidTime. Note: If Reset All Fingerprint is used this lock will be DELETED.

8. Face (For Face version only)

Users can reset the face users or adjust the sensitivity. Note: When face device entered to sleeping mode, press # to wake up the device first, and then can face to unlock.

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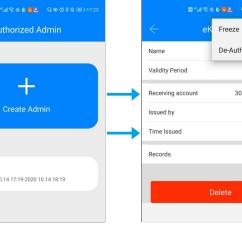
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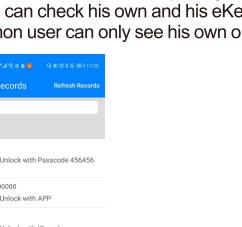
9. Authorized Admin

Users can Create Admin, Freeze Admin, Delete Admin, Change Admin's Valid Period and Check records. Admin can be Timed or Permanent.



10. Records

Super Admin can check all opening records. Admin can check his own and his eKey's opening records. Common user can only see his own opening records.

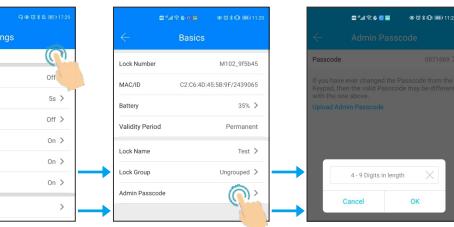


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11. Settings (Device Setting)

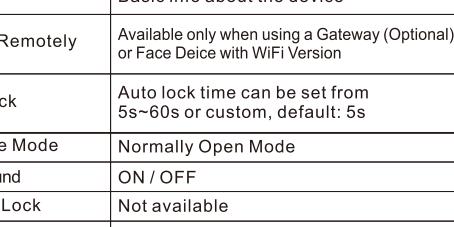
Check / Change Master Code

Before turning on, it will ask the user to create a company first.



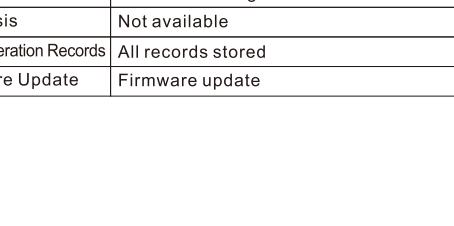
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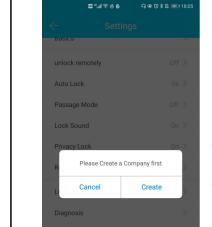


11.1.1 Attendance Management

Users (Usually Admin) can set the attendance rules in the APP. Admin will need to Add Staff, Set Working Time, Set Workday, Set Holiday.



12. Settings (APP Setting)



12.1 Touch to Unlock

After turning on, users can touch the keypad panel to open the lock when the APP is ON.

12.2 Lock Users

Users can check all the users information here (including valid or expired).

12.3 Lock Group

Users can create groups to better manage the keys.

12.4 Transfer Lock

This step will transfer all the permissions of the device to another user (Use with caution).

12.5 Transfer Gateway

Same with Transfer Lock (Use with caution).

12.6 Language

APP supports multiple languages: English, Spanish, French, German, Italian, Russian, Portuguese, Serbian, Malaysian, Japanese, Vietnamese etc.

12.7 Screen Lock

This feature allows the users to access APP after being verified with Fingerprint/Password.

13. Remote Unlock Function

(Bluetooth version only, need to buy an extra Gateway) The Wi-Fi gateway is a must to enable the remote unlock function, please refer the parameters below:

Light Status

- When the gateway is power on: Light flashes alternately with red and blue;
- Stand by mode, ready for connection.
- Blue light: working mode
- Red light: network failure

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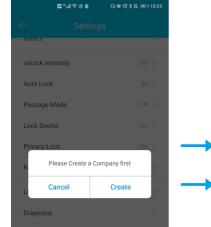
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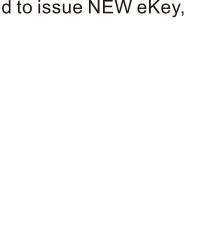
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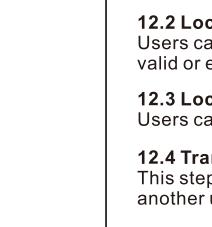
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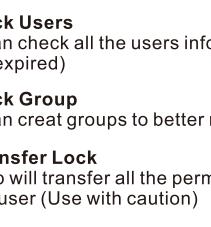
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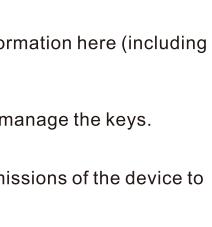
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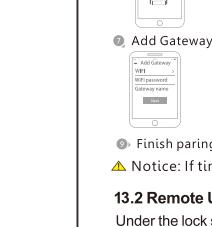
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