

Bluetooth Keypad Access Control

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TTLock

User Manual

Introduction

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

Specifications

| | |
|---------------------------|---|
| Bluetooth | BLE Bluetooth (BLE 4.1) |
| Mobile Phone | Android 4.3/IOS7.0 above |
| PIN User Capacity | Custom password : 150 dynamic password: 150 |
| Card User Capacity | 1000 |
| Card Type | 13.56MHz Mifare card, M1 card |
| Fingerprint User Capacity | 100 (For Fingerprint 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℃~+60℃ |
| Operating Humidity | 0%RH~98%RH |
| For Outdoor | Waterproof, IP66 |
| Physical Colour | Zinc-Alloy |
| Dimensions | L145 x W68 x D25(mm) (Wide) L148 x W43.5 x D22(mm) (Slim) |
| Unit Weight | 500g (Wide), 330g (Slim) |
| Shipping Weight | 405g (Wide) 405g (Slim) |

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Wiring

| Wire Color | Function | Notes |
|------------|------------|------------------------------------|
| Red | Power + | 12V Voles 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: For fingerprint version, there's NO doorbell connection.

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)

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3. Add Device

Add device by clicking '+' on the screen or '≡' on the left.

Click "Door Lock" to add.

First need to touch any key on the keypad to activate the keypad. Then users can choose to name the keypad.

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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.

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4.1 eKeys

Users can Clear eKeys, Reset eKeys, Send eKey, Check eKeys' records and Manage eKeys (delete specific eKey or change specific eKey's Valid Period)

Note: Clear eKeys and Reset eKeys will DELETE ALL eKeys.

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5. Generate Passcode

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 password is VALID for 24 hours from Current Time. Caution - All Passwords 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. Tue. Wed. Thur. Fri. or Daily etc.)

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5.1 Passcodes

Users can Reset Passcode, Generate Passcode, Upload Passcodes (from the keypad), Check Passcodes' records and Manage Passcodes (delete Passcode, change passcode, or change the Valid Period)

Note:

1. Reset Passcode will DELETE ALL passcodes.

2. When delete all passcodes, it will need to enter Password (APP Account Password) for confirmation.

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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.

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8. 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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9. Settings (Device Setting)

Check / Change Master Code

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9.1 Attendance

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

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9.1.1 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

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Check Attendance Report

Can check the Early List, Late List, Working Hard List Daily or Monthly.

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10. Settings (APP Setting)

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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. Refer to Page 9. |
| 2. Add Passcode | * 80 # (Master Code) # (Passcode) # (Passcode length: 4~9 digits) |
| 3. Delete Passcode | * 71 # (Master Code) # (Passcode again) # (Passcode length: 4~9 digits) |
| 4. Change Passcode | * 10 # (Old Passcode) # (New Passcode) # (New Passcode again) # (Passcode length: 4~9 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. Unlock | Read (valid Card) to unlock Read (valid passcode #) to unlock |
| 8. 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. |
| 9. Passcode Security | For high security the keypad allows you to hid your correct Passcode with other numbers up to a max of 16 digits. |
| 10. * 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 |

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