


Bluetooth Keypad Access Control


Available on the App Store

Google play

TTLock



Hand holding smartphone



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.

Specifications

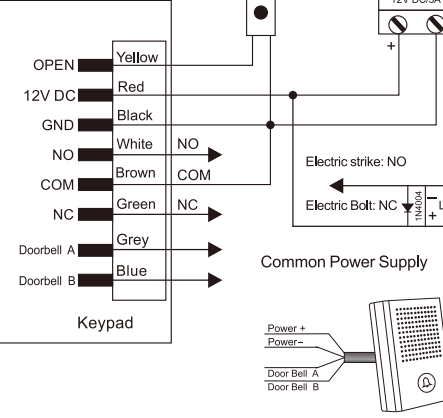
Bluetooth	BLE Bluetooth (BLE 4.1)
Mobile Phone	Android 4.3/IOS7.0 above
PIN User Capacity	Custom password : 150 dynamic password: 150
Card User Capacity	1000
Card Type	13.56MHz Mifare card, M1 card
Fingerprint User Capacity	100 (For Fingerprint version only)
Multi-language	English, Spanish, French, German, 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 Silver & Black
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)

Wiring

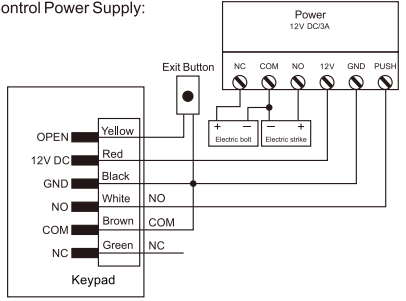
Wire Color	Function	Notes
Red	Power +	12V Notes DC Regulated Power Input
Black	GND	Ground
Yellow	OPEN	Request to Exit (REX)
Green	NC	Normally closed Relay Output
Brown	COM	Common Connection for Relay Output
White	NO	Normally Open Relay Output
Blue	Doorbell A	Contact for Doorbell
Grey	Doorbell B	Contact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

Note: For fingerprint version, there's NO doorbell connection.

Diagram
Common power supply:

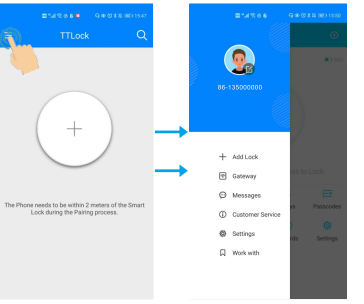


Access Control Power Supply:



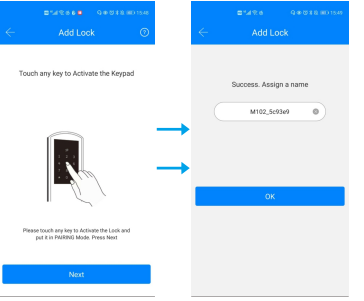
3. Add Device

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



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.



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.



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 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.)



5.1 Passcodes (NOT available for RFID only version)

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.



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. Authorized Admin

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



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.



9. Settings (Device Setting)

Check / Change Master Code



9.1 Attendance

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



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



Check Attendance Report

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



Delete Device

When deleting the device, the user will be asked to enter the Password (APP Account Password)



10. Settings (APP Setting)



10.1 Touch to Unlock

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

10.2 Lock Users

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

10.3 Lock Group

Users can create groups to better manage the keys.

10.4 Transfer Lock

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

10.5 Transfer Gateway

Same with Transfer Lock (Use with caution)

10.6 Language

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

10.7 Screen Lock

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

11. Remote Unlock Function(with 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

11.1 Pair the Gateway with APP

① Activate the App on mobile

② Press the button

③ Select the [Gateway]

④ Select (G2)

⑤ Plug the gateway and power on it, when the light flashes alternately with red and blue

⑥ Select WiFi and enter password

⑦ Finish pairing gateway

⚠ Notice: If times out, please power on the gateway and try it again.

11.2 Remote Unlock

Under the lock setting, you shall first turn on the remote unlock function as the below photo, then you can click the unlock sign near the round circle, there is one tip for remote unlock, you can click it and unlock the door remotely.



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)
2. Add Passcode	* 80 # (Master Code) # (Passcode) # (Passcode again) # (Passcode length: 4-9 digits)
3. Delete Passcode	* 71 # (Master Code) # (Passcode again) # (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) # (Passcode again) # (Passcode again) # (Passcode length: 4-9 digits)
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