
User Operation Instruction

1. Introduction

Bluetooth lock scheme, using Nordic51822 Bluetooth chip as the main control, can support low-power Bluetooth (BLE 4.1). It can manage the door lock via password, IC card, and electronic key on the App. M1 card and password can be used to open the door. The door lock supports firmware upgrades and software functions can be extended with firmware upgrades. The App ekey, password, and IC card can all be specified for a validity period.

- **Bluetooth**

Open the door on the phone APP via Bluetooth.

- **Ekey**

Send an ekey to your tenant and set the validity period of each key. You can also freeze the electronic key at any time.

- **Passcode**

Touch the keypad to enter a valid password to open the door.

- **IC Card**

Swipe the effective IC card into the door.

- **Unlock records**

All the unlock records can be seen on the administrator APP no matter in which way to unlock.

2. Parameters

| | |
|------------------------------------|---|
| Communication Methods | Bluetooth 4.1 BLE |
| Supporting systems | Android 4.3/IOS7.0 above |
| Power supply | 4 AA Alkaline 1.5V Batteries (LR6) (6V) |
| Range of continuous supply voltage | 4.0-7.0V |
| Maximum supply voltage | 12V-MAX |
| Range of backup supply voltage | 4.0-10.0V |
| Low battery alarm voltage | 4.8V |
| Stand-by current | 65uA |

| | | |
|---------------------|--------------------------|-----------|
| Operating current | <200MA | |
| Unlock time | ≈1.5 second | |
| Working temperature | -40~70 Celsius | |
| Types of button | capacitive touch button | |
| No. of passcode | send passcode via APP | unlimited |
| | self-defined passcode | 150 |
| Supporting card | M1 card | |
| No. of IC card | 200 | |
| The way to unlock | App、passcode、IC card、key | |

3. Operation

Add a Bluetooth Administrator to the lock

Warning: Once a Bluetooth Administrator is added to the lock, all previous passcodes/cards added on the lock are invalidated.

Notice: Please turn on the Bluetooth of your phone and keep it close to the lock

Activate the App

Press the “≡” sign on the upper left of the APP

Press [Add lock]

Select the right type of lock

Touch the keypad to activate the lock

The lock gives a voice prompt “Please add a Bluetooth Administrator”, and it appears on the APP with a “+” sign at the end

Press the “+” sign and follow the steps to add a Bluetooth Administrator

Add user passcodes

Notice: Please turn on the Bluetooth of your phone and keep it close to the lock

Activate the APP

Select the lock

Press [Generate Passcode]

Follow the steps on the APP to generate user passcode and share with others

Add IC cards

Notice: Please turn on the Bluetooth of your phone and keep it close to the lock

Activate the APP

Select the lock on the APP

Press [IC Cards]

Press the  sign on the upper right corner of the App

On voice prompt "Please swipe your card" , swipe a Mifare card on the lock

Voice prompt " Operation successful "

Unlock with passcode

Notice: Pressing "*" will delete the last entered digit during input

Input passcode and press "#"

If the passcode is correct

Voice prompt " Unlocked "

If the passcode is incorrect

Voice prompt " Operation failed"

If the lock detects 5 consecutive trials of incorrect passcode consists of more than 4 digits, it gives a voice prompt " Unauthorized operation, the system is locked".

If the passcode has expired

Voice prompt "Unauthorized passcode"

Unlock with card

Swipe the card on the lock

If the card is a valid authorized card

Voice prompt "Unlocked "

If the card has expired

Voice prompt "Unauthorized card"

If the card has never been authorized

Voice prompt "Operation failed" .

Locking

5 seconds after the lock is unlocked, it automatically locks and gives a voice prompt "Locked"
(Except it is set to passage mode)

Modify user passcodes on the lock

Input [*10 #]

Voice prompt "Please input original passcode"

Input [original passcode#]

If the original passcode is correct

Voice prompt "Please input a new passcode"

Input [new passcode#]

Voice prompt "Please input again"

Input [new passcode#]

Voice prompt "Operation successful" or "Operation failed" if inputs do not match.

If the original passcode is incorrect

Voice prompt "Wrong passcode"

Low power warning

If the battery is low, the keypad will light up and flash for a second when it is activated, meanwhile the lock gives a voice prompt "Battery is low, please replace"

Keypad lockup

The keypad will be disabled for 5 minutes after 5 consecutive trials of wrong passcode that consists of more than 4 digits, meanwhile the lock gives a voice prompt "Unauthorized operation, the system is locked"

During the lockup period, the keypad light will flash quickly on each pressing. Unlocking with APP or card is still functional in this case, and the keypad will be back to normal once the lock is unlocked successfully with an APP or a card.

The keypad will be re-enabled after 5 minutes' lockup, and user can continue to input passcode. However, each wrong passcode trial will result in 5 minutes' lockup thereafter.

Restore to default factory setting/Delete Bluetooth Administrator

Warning: Once the Bluetooth Administrator is deleted, the lock is set to default factory setting

Delete Bluetooth Administrator on the APP

Notice: Please turn on the Bluetooth of your phone and keep it close to the lock

Select the lock on the APP

Press [Settings]

Press [Delete]

Follow the steps on the APP to delete the lock

Delete Bluetooth Administrator on the lock

Long press the reset button

Voice prompt "please input initialization passcode"

Input[000#]

Voice prompt "Operation successful "

4. Manage the lock without APP

1 Add/Edit Admin Passcode

Notice: Default Admin Passcode is 123456, and can only be used to add a new Admin Passcode.

1.1 Input [*12#]

1.2 Voice prompt "Please input the original passcode "

1.3 Input [original passcode#]

1.4 If the original passcode is correct

1.4.1 Voice prompt "Please input a new passcode"

1.4.2 Input [new passcode#]

1.4.3 Voice prompt "Please input again"

1.4.4 Input [new passcode#]

1.4.5 Voice prompt "Operation successful" or "operation failed" if inputs do not match.

1.5 If the original passcode is incorrect

1.5.1 Voice prompt "wrong passcode"

2 Add user passcode

- 2.1 Input [*85#]
- 2.2 Voice prompt "Please input Admin Passcode"
- 2.3 Input [Admin Passcode#]
 - 2.3.1 If the Admin Passcode is correct
 - 2.3.1.1 Voice prompt "Please input a new passcode"
 - 2.3.1.2 Input [new Passcode#]
 - 2.3.1.3 Voice prompt "Please input again"
 - 2.3.1.4 Input [new passcode#]
 - 2.3.1.5 Voice prompt "Input successful" or "Operation failed" if inputs do not match.
 - 2.3.2 If the Admin Passcode is incorrect
 - 2.3.2.1 Voice prompt "Operation failed"

3 Add IC cards

- 3.1 Input [*85#]
- 3.2 Voice prompt "Please input Admin Passcode"
- 3.3 Input [Admin Passcode#]
 - 3.3.1 If the Admin Passcode is correct
 - 3.3.1.1 Voice prompt "Please swipe your card"
 - 3.3.1.2 Swipe a card on the lock
 - 3.3.1.3 Voice prompt "Input successful"
 - 3.3.2 If the Admin Passcode is incorrect
 - 3.3.2.1 Voice prompt "Operation failed"

4 Delete all IC cards

- 4.1 Input [*69#]
- 4.2 Voice prompt "Please input Admin Passcode"
- 4.3 Input [Admin Passcode#]
 - 4.3.1 If the Admin Passcode is correct
 - 4.3.1.1 Voice prompt "Operation successful"

4.3.2 If the Admin Passcode is incorrect

4.3.2.1 Voice prompt “Operation failed”

5 Delete all user passcodes

Warning: This process will delete all user passcodes, including those generated by APP, but not the Admin Passcode

5.1 Input [*71#]

5.2 Voice prompt “Please input Admin Passcode”

5.3 Input [Admin Passcode#]

5.3.1 If the Admin Passcode is correct

5.3.1.1 Voice prompt “Operation successful”

5.3.2 If the Admin Passcode is incorrect

5.3.2.1 Voice prompt “Operation failed”

6 Add Bluetooth Administrator to the lock

Warning: Once a Bluetooth Administrator is added, all previous passcodes/cards added on the lock are invalidated. Administrator can now add passcodes on APP

6.1 Input [*83#]

6.2 Voice prompt “Please input Admin Passcode”

6.3 Input [Admin Passcode#]

6.3.1 If the Admin Passcode is correct

6.3.1.1 Voice prompt “please add a Bluetooth Administrator”

6.3.1.2 Activate the App

6.3.1.3 Press the “≡” sign on the upper left of the APP

6.3.1.4 Press [Add lock]

6.3.1.5 Select the right type of lock

6.3.1.6 The lock appears on the APP with a “+” sign at the end

6.3.1.7 Press the “+” sign and follow the steps to add a Bluetooth Administrator

6.3.1.8 Once the Bluetooth administrator is added, the lock gives a voice prompt
“Bluetooth Administrator added successfully”

6.3.2 If the Admin Passcode is incorrect

6.3.2.1 Voice prompt "Operation failed"

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

- **TT Lock**

Scan to download



- **Room Master**

Scan to download

