USER MANUAL

Model：F01

Catalogue

I. Introduction

1. <u>Technical Parameter</u>

|	
Battery Type	4pcs 1.5V AA dry batteries (No include) **<u>Rechargeable batteries are not recommended, because most rechargeable battery's voltage is 1.2V.</u>**
Working Voltage	4.5~6v
Unlock Ways	Fingerprint, Password, Access Card, key
Scanner Type	LED 3D Live fingerprint sensor
FRR, FAR	≤1%，≤0.001%
Work Environment	Temperature：-20～60℃ Humidity：0～95%
Working Current	＜300ma
Unlock Record Capacity	2000
Password Capacity	Max 300 users, 001~009 for admin users, 010-300 for normal users. Every user has only 1 type unlock way.
Fingerprint Capacity	
Card Capacity	
Center Distance	60mm or 70mm (2-3/4" or 2-3/8")
Door Thickness	35~55mm (1-8/3"~2-1/8")
Password Length	4~12digits
Initial Password	123456
Unlock response time	0.3s

2. <u>Private Lock</u>
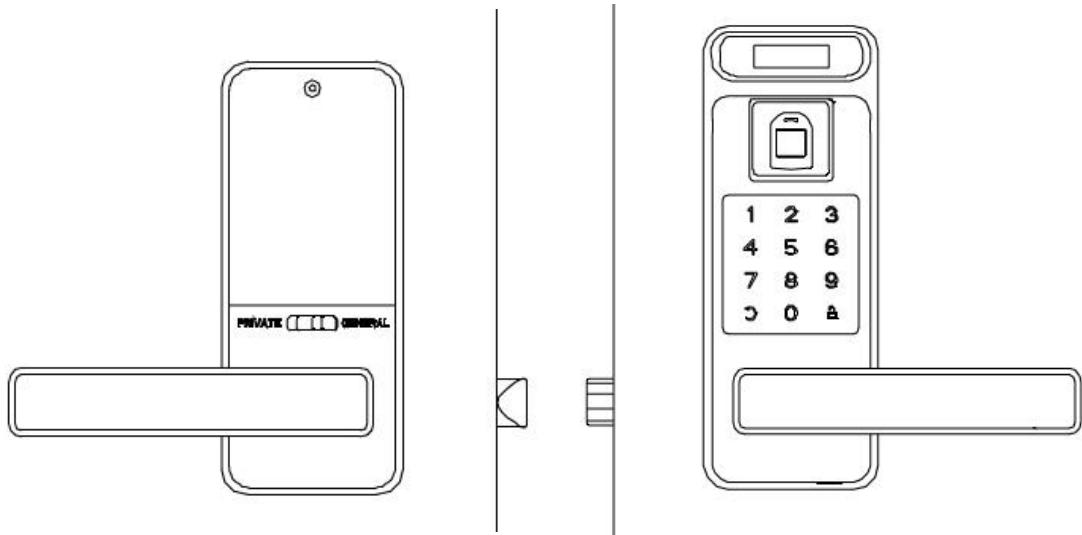
Private mode

Only the administrators can unlock it by password, fingerprint,card and backup key.

General mode

Every added users can unlock it by password, fingerprint,card and backup key.

Private lock
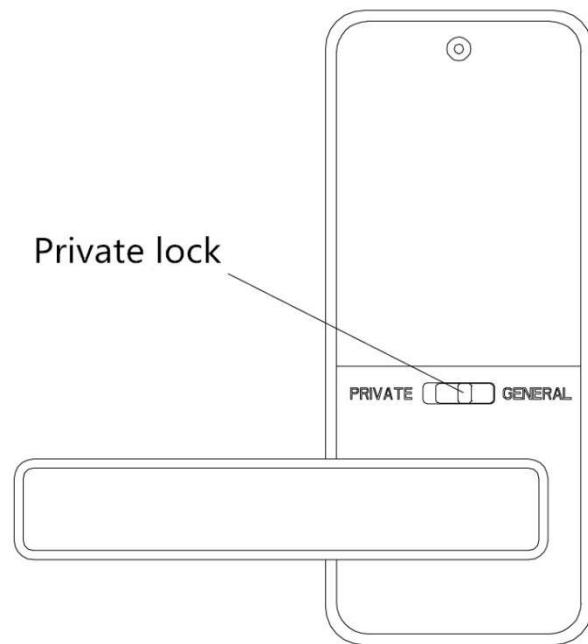
3. <u>Backup Key</u>
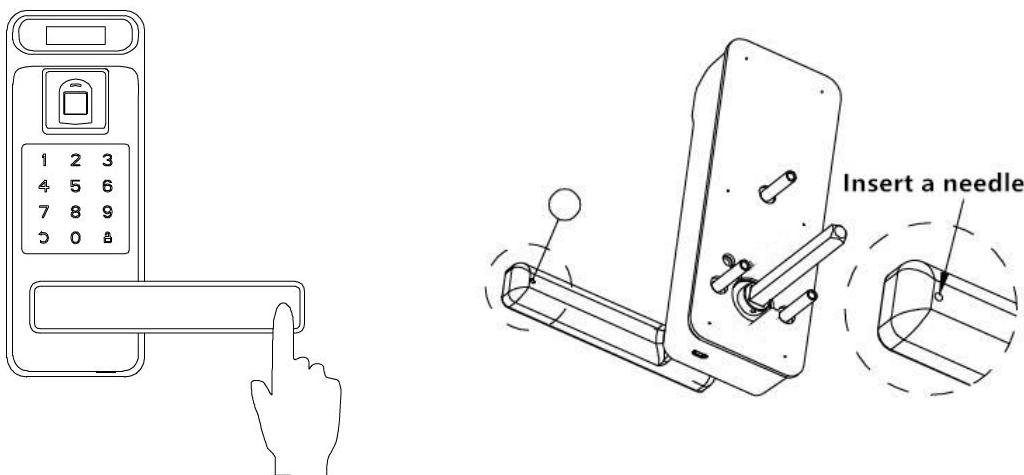
Remove the cover cap (2 ways).

Method 1: Press the end of the outer handle to pry up the cap.

Method 2: Insert a needle into the little hole to push the cap off.
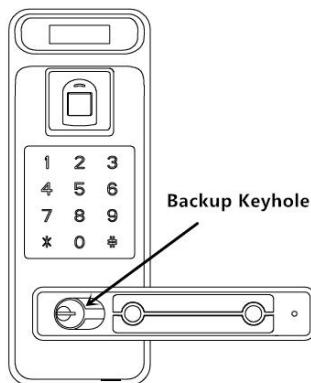
Insert the key and turn right 90 degree. Press down the handle to open door.

> *Notice: Please put the backup keys in other place.*

4.Initialization

Remove the battery cover and press the "SET" button for 5 seconds, lock will sound a short beep, and the screen shows "Initializing. Please wait…" After initialization, all the data and settings will be cleared, the lock will back to default setting. The initial admin password is "123456".

# II. Installation Guide

1. Change Handle Direction

Change the Handle to the direction that you need. Use the **L wrench** which in the accessories bag to remove the hex socket screw and change the direction.

Hex socket screw

Use the L wrench to remove the hex socket screw, and take off the handle.
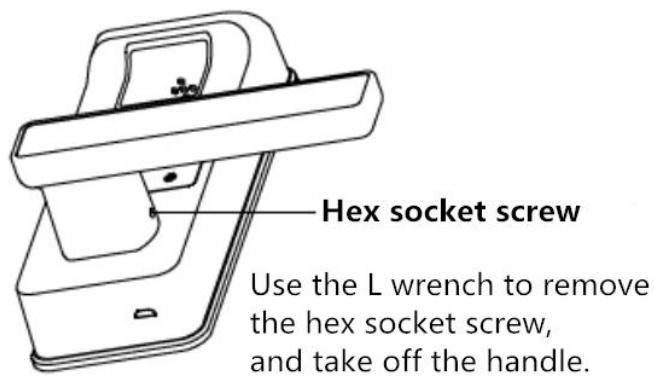
Install the handle in the direction you need, and tighten the hex socket screw.
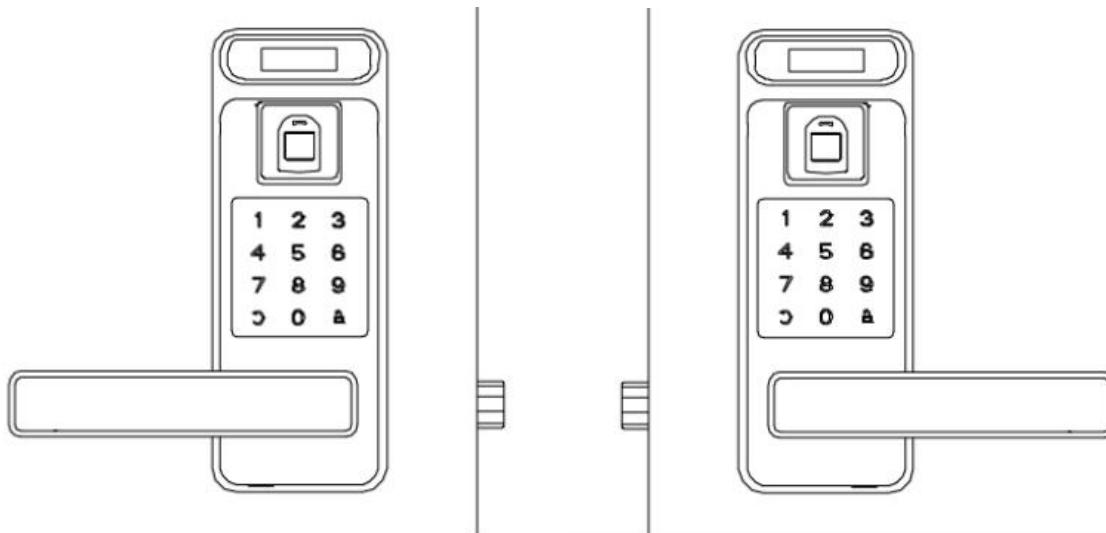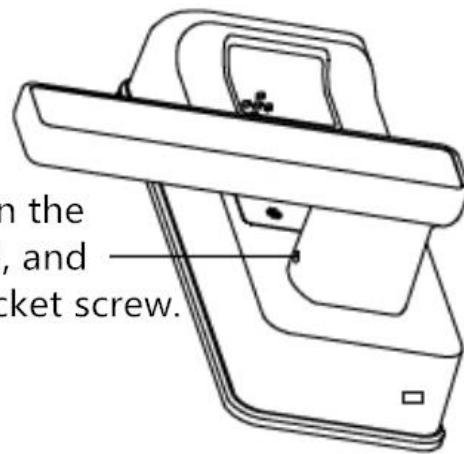
2.Overview
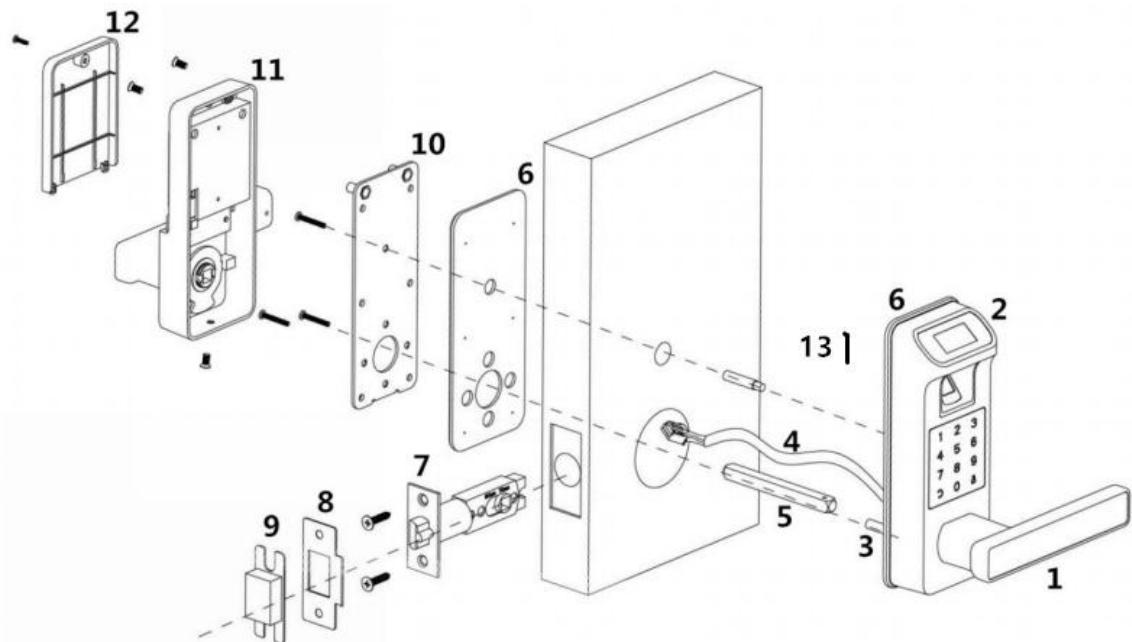
1. Outer Handle   2. Outer Lock   3. Screws Pillar   4. Data Wire

5. Square Spindle   6. PVC Sheet   7. Latch   8. Strike Plate   9.Bottom Case

10. Metal Plate   11. Inner Lock   12. Battery Cover   13. Pin (fixed square spindle)

AA Battery holder

DEL Button

SET Button

Private Lock

SET   DEL

PRIVATE   GENERAL

OLED Display

Fingerprint Scanner

Keypad & Card Reader

Backup Key Hole (under the cap)

USB Power Port

5
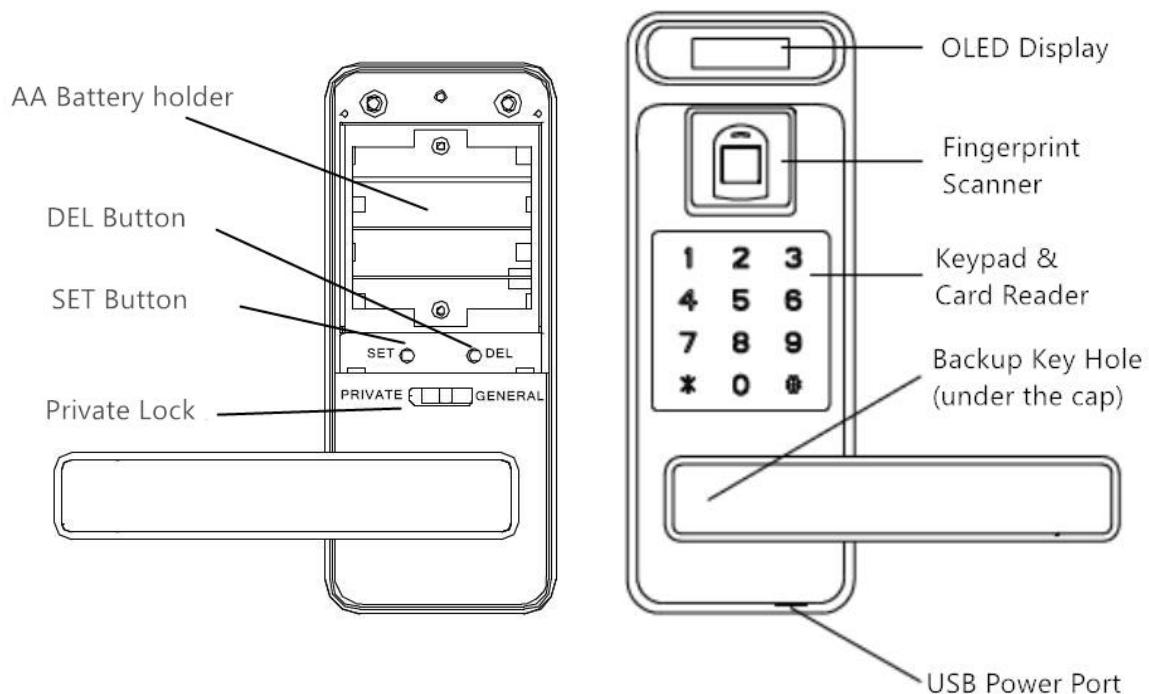
3.Installation Diagram

Dia.8mm

65mm

Dia.54mm
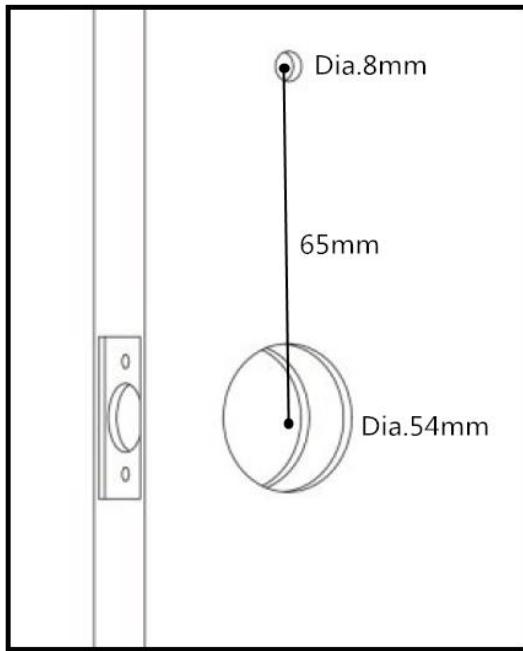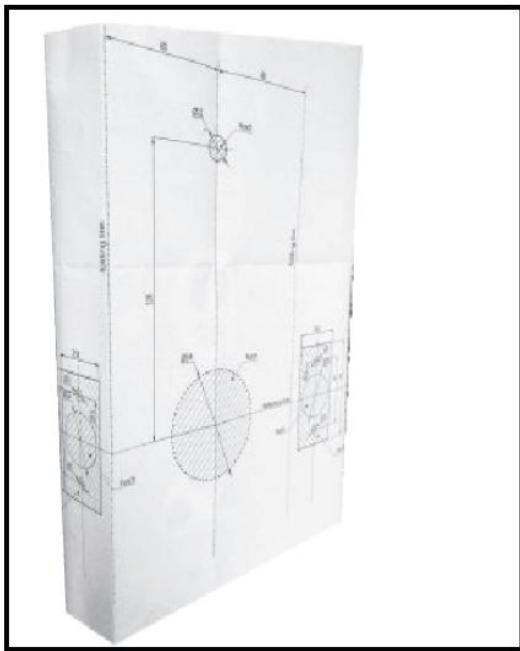
1. Place the template on the door to make the holes, and then drill holes for installation.

2. Determine the backset for your door.

3.1 Install the latch

1.Adjust the length of the latch according to the distance from the door hole center to the door edge.(60mm or 70mm)

2.Insert the latch in the hole and tighten screws.

3.Install the bottom case and strike plate on door frame.(Accessories numbered 8 and 9 on the page 5 Overview)

60mm 70mm

2¾" 2⅜"
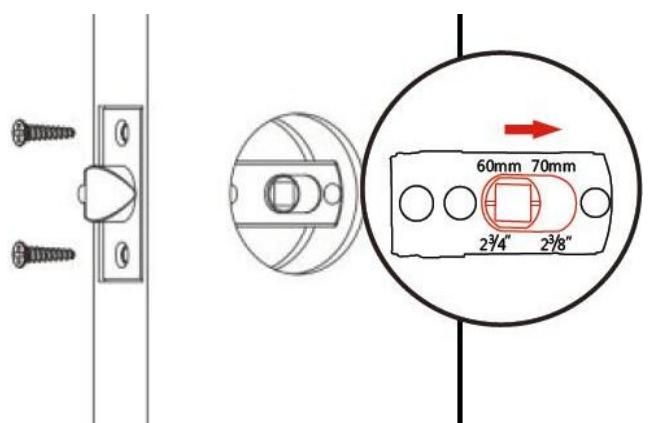
3.2 Install the outer lock with square spindle

1.Select the suitable **square spindle** that fit your door thickness. (shorter : 35~45mm; longer: 45~55mm)

⚠️

2.Find the little pin in the accessories bag. Install the square spindle, **through the little hole with the pin to fixed the spindle on the outer lock.Bend the bottom of the little pin to hold it in place**. (Please be sure align the position of the little hole)

Select the suitable square spindle
Shorter:35mm-45mm
Longer : 45-55mm

Through the little hole with the pin to fix the spindle and bend the bottom part of the pin
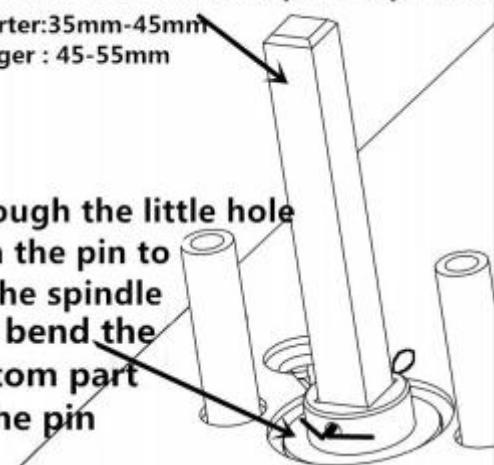
3.3 Get the metal plate

1. Find the **inner lock** and take off the battery cover.

2. Remove these 3 screws.

3.Get the metal plate and PVC sheet.(Numbered 10 and 6 on the page5 Overview)
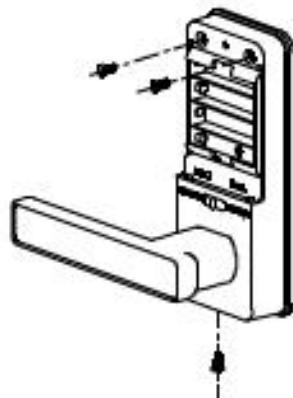
3.4 Install the outer lock

Let the data cable goes on the top of latch. Make sure the square spindle and 2 screws pillar through the latch holes.
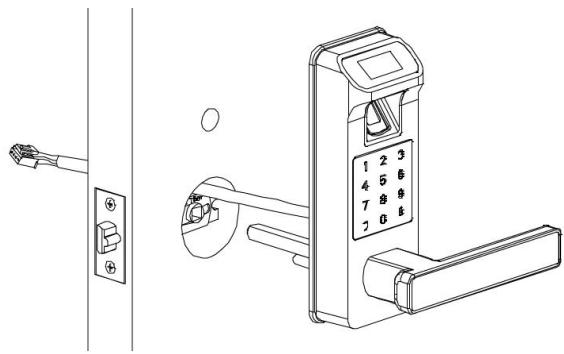
3.5 Install the metal plate

1.Select the suitable screws that fit your door thickness. (shorter : 35~45mm; longer: 45~55mm)

2.Install the metal plate to the door and tighten these 3 screws.
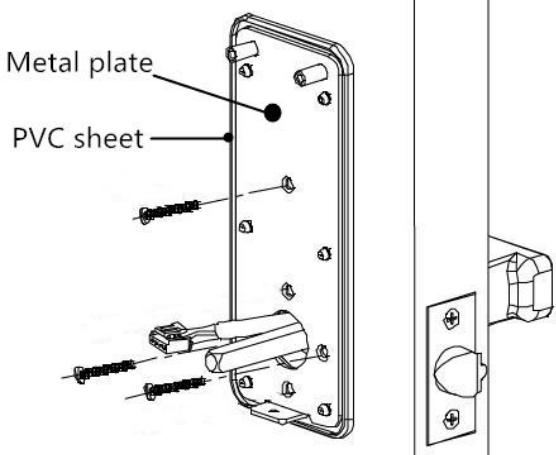
3.6 Install the inner lock

1.Connect the data cable to the inner lock.

2. Install the inner lock on the metal plate and fasten with **3 short screws** to fix it on the door.

3. Install **4pcs AA dry batteries**.(No include)
(Warm Tips: Rechargeable batteries are not recommended, because most rechargeable battery's voltage is 1.2 volts.)

4. Install the battery cover and fasten with **1 screw** to fix it on the lock.

5.Check the keypad, fingerprint, OLED display is on power and can work properly.

8
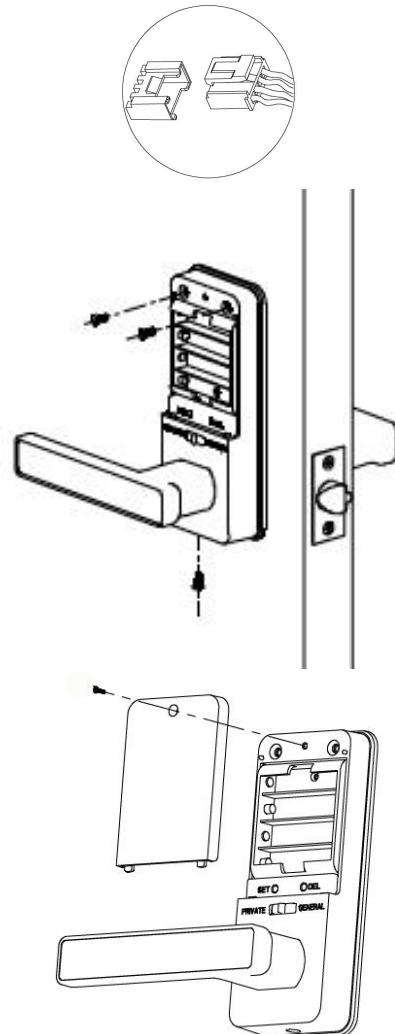
III. Operation Programming

Option Menu

1.Create User
- 1.Create Admin
- 2.Create Normal
- 3.Create Casual

2.Edit User
- 1.User Blacklist
- 2.Delete by ID
- 3.Delete by Type
  - 1.Fingerprint
  - 2.Password
  - 3.Card
- 4.Clear Users

3.System Setting
- 1.Date Time
- 2.Verify Mode
  - 1.Double[ON]
  - 2.Finger[ON]
  - 3.Password[ON]
  - 4.Card[ON]
- 3.Passage Mode
  - 1.User Limit[OFF]
  - 2.Passage[OFF]
- 4.LNG&VOL
  - 1.Chinese
  - 2.English
  - 3.Volume[HI]

4.Unlock Records
- 1.Query by Time
- 2.Query by Type
  - 1.Fingerprint
  - 2.Password
  - 3.Card
- 3.Clear Records

1. Create User

1.1 Create Admin

Create First Administrator User

Step 1. Into the option menu

Method 1: First touch ⟲ and then touch 🔓 on the keypad, then please verify administrator by pressing initial password 123456 + 🔓.

Or method 2: Remove battery cover and press SET button.Then please verify administrator by pressing initial password 123456 + 🔓.

↓

Step 2. Select " 1. Create user"

Press "**1**" into option.

↓

Step 3. Select " 1. Create admin"

Press "**1**" into option.

↓

Step 4. Register finger, password or access card

Finger print: press **the same fingerprint, for 3 times.**

Password: press 4~12digits password + 🔓 , **for twice.**

Access card: put a access card close to the keypad, for 1 time.

After you create first admin user, system will automatically proceed to register the next user. You can continue to register more or touch ⟲ key to cancel it.

The system will give each user a ID number in sequence. Administrators can use the ID number for user management. Follow the instructions of the screen and voice, you can register 9 Admin users with finger print, access cards or password.

> **Note: If you want to add other administrator user next time, please use the administrator user information that you have set to verify administrator because the initial password is invalid after you have set the administrator user.**

1.2 Create Normal User

Step 1. Into the option menu

Method 1: First touch ↻ and then touch 🔓 on the keypad, verify administrator with the administrator user information (fingerprint, card or password) that you have set.

Or method 2: Remove battery cover and press SET button.Then please verify administrator with the administrator user information (fingerprint, card or password) that you have set.

↓

Step 2. Select " 1. Create User"

Press "**1**" into option.

↓

Step 3. Select " 2. Create Normal"

Press "**2**" into option.

↓

Step 4. Register finger, password or access card

Finger print: press **the same fingerprint, for 3 times.**

Password: press 4~12digits password and 🔓 key, **for twice.**

Access card: put a access card close to the keypad, for 1 time.

After you create the first normal user, system will automatically proceed to register the next user. You can continue to register more or touch ↺ to cancel it.

The system gives each user a ID number in sequence. Administrators can use the ID number for user management.

1.3 Create Casual User

The setting way is the same with Create Normal Users. But the casual user can only be added by password.

> The Casual user password will be invalid after once used.

2. <u>Edit User</u>

Step 1. Into the option menu

Method 1: First touch ⟳ and then touch 🔓 on the keypad, verify administrator with the administrator user information (fingerprint, card or password) that you have set. .

Or method 2: Remove battery cover and press SET button.Then please verify administrator with the administrator user information (fingerprint, card or password)that you have set.

↓

Step 2. Select " 2. Edit User"

You will into edit user menu.

1. User Blacklist 2. Delete by ID 3. Delete by Type 4. Delete All

↓

2.1 User Blacklist

Press"1" and screen will shows"Enter User ID". Enter the user ID which you want to manage, then press 🔓 to confirm. **1. Enable to Unlock 2 Disable to Unlock**

> Notice: Administrator can't be added to Blacklist.

2.2 Delete by ID

Press"2" and screen will shows"Enter User ID". Enter the ID which you want to delete, then press 🔓 to delete this user.

> Notice: The logged-in administrator won't be deleted in this time.

2.3 Delete by Type

Press"3"and you will get into the delete by type menu. **1.Fingerprint 2. Password 3. Card** Press"1"or"2"or"3"to delete all normal users which in this unlock way.

> Notice: Administrators can't be deleted in this way.

2.4Clear User (delete all)

Press"4" and confirm by press , all normal users will be deleted.

> Notice: Administrators can't be deleted in this way.

3.System settings

Step 1. Into the option menu

Method 1: First touch ↻ and then touch 🔓 on the keypad, verify administrator with the administrator user information (fingerprint, card or password) that you have set.

Or method 2: Remove battery cover and press SET button.Then please verify administrator with the administrator user information (fingerprint, card or password) that you have set.

↓

Step 2. Select " 3. System Setting"

You will get into the system setting menu.

1. Date Time 2. Verify Mode 3. Passage Mode 4. Language&Vol

↓

3.1 Date Time

Press"1", you will get into the date time menu. Enter the date and time, press button to save it. Only 24-hour system.

3.2 Verify Mode

Press"2", you will get into the verify mode menu.

1. Dual Verify [OFF] 2. Finger [ON] 3. Password [ON] 4. Card [ON]

Administrator can manage the ways of unlock. You can active or close these 4 kinds of unlock ways.

Dual verify will greatly improve room's safety level. It mean you have to verify any 2 different normal users for one time to unlock it. This function only work for normal user. Administrator can still unlock it by verify once.

3.3 Passage Mode

Press"3", you will get into the passage mode menu.

1. User Limit [OFF] 2. Passage [OFF]

Notice: Only administrator can set passage mode in the system menu. If you want to close passage mode, please turn "Passage [OFF]"

In "User Limit [ON], Passage [ON]" mode. Administrator verify it first, then the lock will get into the Passage Mode. Anyone can open it without verify. But if normal user verify once , door will lock. Once the administrator verify it, System will go into passage mode again.

In **"User Limit [OFF], Passage [ON]"** mode. Any user or administrator verify it first, then the lock will get into the Passage Mode. Anyone can open it without verify.

Active One-time Passage Mode (Passage [OFF] Only)

In **"User Limit [ON] Passage [OFF] "** mode, administrator unlock the lock and press the 🔓 button before it lock, system will get into passage mode. Any user verify again can cancel the passage mode.

In **"User Limit [OFF] Passage [OFF]"** mode, any user unlock the lock and press 🔓 button before it lock, system will get into passage mode. Any user verify again will cancel the passage mode.

3.4 Language&Vol

Press"4", you will get into the language&VOL menu.

<div align="center">

1. Chinese 2. English 3. Volume [HI] 4. Speaker [ON]

</div>

Notice: Original language is English.

If the lock is in Chinese menu, you can change it back to English in following ways.

Press SET → Enter 123456 → Press → Press 3 → Press 4 → Press 2

4.Unlock Records

Step 1. Into the option menu

Method 1: First touch ↻ and then touch 🔓 on the keypad, verify administrator with the administrator user information (fingerprint, card or password) that you have set.

Or method 2: Remove battery cover and press SET button.Then please verify administrator with the administrator user information (fingerprint, card or password) that you have set.

↓

Step 2. Select " 4. System Setting"

You will get into the system setting menu.

1.Query by Time   2. Query by Type   3. Clear Records

↓

4.1 Query by Time

Press "1", you can view the unlock records listed in chronological order.

4.2 Query by Type

Press "2", you will get into the query by type menu.

1. Fingerprint 2. Password 3. Card

Then press "1", "2" or "3" to view the unlock records listed in different unlock ways.

4.3 Clear Records

Press "3" to clear all the unlock records.

Ⅳ. Others

1. Low Power

When the battery voltage is too low, the lock will warn you by voice and display "Low

Power ×". You can still access about 100 times. Please change the batteries in time.

2.Emergency Power Supply

You can use any power bank with a micro USB wire to supply the lock by its USB port.

3.Alarms

Input wrong password for 5 times, system will be locked up and display"System is

locked". Buzzer sounds a long-beep for 5 sec. Only correct fingerprint, password or card can

unlock the lock and the system.

4.Temporary Mute

Wake the keypad and press the to activate temporarily mute. The lock will be mute

for this time. Speaker will be silently in whole unlock process.

5.Password Peep-proof Protection

You can add any number before or after the true password to confuse others.

#1: Input xxxxx + password +xxx+

#2: Input xxxx + password +

#3: Input password + xxxxxx +

ID	User Name	ID	User Name	ID	User Name
001	admin	026		051	
002	admin	027		052	
003	admin	028		053	
004	admin	029		054	
005	admin	030		055	
006	admin	031		056	
007	admin	032		057	
008	admin	033		058	
009	admin	034		059	
010		035		060	
011		036		061	
012		037		062	
013		038		063	
014		039		064	
015		040		065	
016		041		066	
017		042		067	
018		043		068	
019		044		069	
020		045		070	
021		046		071	
022		047		072	
023		048		073	
024		049		074	
025		050		075	

FCC Statement

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.
(2)This device must accept any interference received, including interference that may cause undesired operation.
2.　　Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: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 frequence 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 equipmemt 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 autlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.