D6 Fingerprint Touchscreen Deadbolt Lock

User Manual

Contents

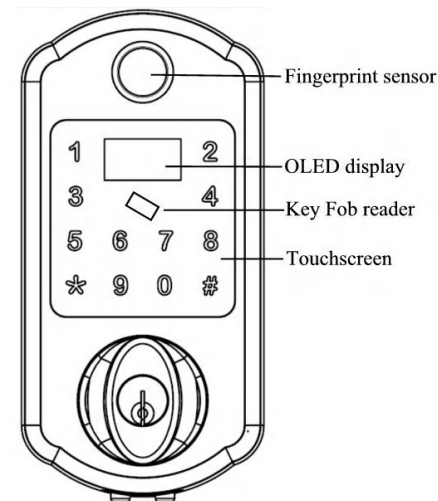Thank you for choosing fingerprint touchscreen deadbolt lock. No more worries about losing your keys, one touch to unlock. The fingerprint sensor in the lock is combined with the touch activating sensor. This feature allows an easy and fast fingerprint entry--one touch on the fingerprint sensor to unlock. The lock has self-learning ability, which enables the lock to update a user fingerprint template after every fingerprint entry. This unique feature significantly reduces rejection rate when compared to other fingerprint lock systems on the market. The lock is equipped with OLED display, it makes visual menu based operation become true. Audit Trail feature allow lock owner to track entry record. Double verification feature increase lock security level significantly. Enjoy adopted the latest biometric fingerprint technologies that bring you a convenient and secure lock system.

1. Features

- Unlock by Fingerprint, Code, Key Fob, Fingerprint + Code, Fingerprint + Fingerprint, Fingerprint + Key Fob or Key.
- Store up to 120 fingerprint users, include 5 administrators, 115 users.
- Store up to 300 User Codes and 10 One Time Codes in the system.
- Store up to 50 Key Fobs in the system.
- Store up to 16384 audit trail logs.
- Visual menu and instruction display on OLED, it makes operation easy.
- Individual fingerprint user, user code or key fob deletion.
- Build-in touch active sensor: One touch to unlock.
- Self-learning ability: fingerprint template is updated after every fingerprint entry.
- Two ways to login the system: Programming code or Administrator fingerprint.

- Beeper sound turn off option. You may turn off beeper sound if you don't like.
- Double verification mode: unlock by Fingerprint + User code, Fingerprint + different Fingerprint or Fingerprint + Key Fob, when you enable this mode.
- Memory function: "power run-out" will not cause the loss of enrolled fingerprint(s), user code(s) and Key Fob(s).
- "Schlage C key" as an override key.
- 9V battery may be attached as an additional power source.
- OLED show battery level.

2. Specification

- Semiconductor Fingerprint sensor: Sensing array: 160*160 pixel. The flexibility to adapt to the conditions was the fingers, whether it is dry fingers, wet fingers, light texture fingerprints fingers, and old fingers, all have high recognition rate.
- Touchscreen virtual 12-key keypad.
- Deadbolt latch.
- Adjustable backset 2 ⅜" or 2 ¾".
- Fit door thickness between 1⅜" and 1⅞".
- Operation temperature from -4°F (-20°C) to 151°F (66°C).
- All weather door lock.
- Powered by 4 AA Alkaline batteries (NOT included).
- One year limited manufacturer's warranty.

3. How to scan your fingerprint

When you scan fingerprint, make sure that the location of the fingerprint "core" is making direct contact with fingerprint sensor. Apply medium pressure, or just enough to flatten the skin on your finger. We recommend that you enroll thumb or finger with visible fingerprint image.

4. Rule of operation

Login: Touch the screen with back of hand or with multiple fingers until digits illuminate. then press *. Login page will show up. Login system by Administrator Code or Administrator Fingerprint. Default Administrator Code is 1 2 3 4. Fingerprint with ID 1, 2, 3, 4 or 5 are administrator. After login system, following Menu to program Fingerprint, User Code, Key Fob, One Time Code or set up lock.

Note: " **9↑** " mean that press 9 to scroll cursor up. " **0↓** " mean that press 0 to scroll cursor down. "**# Enter**" mean that press # to confirm. " ***Back** " mean that press * to go to previous page. Press illuminated digit to input.

5. Flow chart of menu
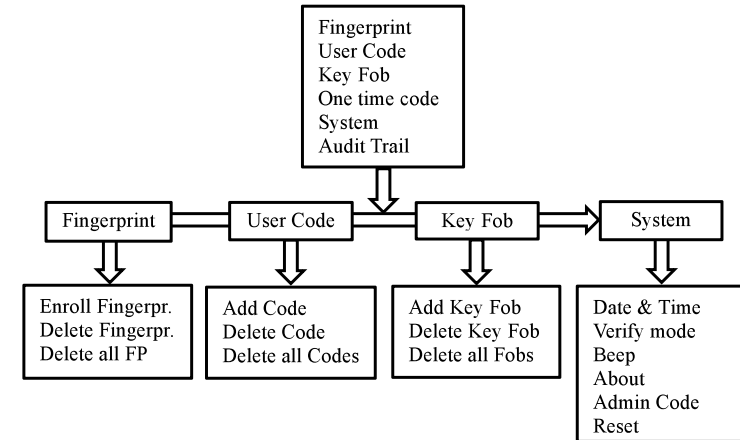
6. Enroll fingerprint

Login system, enter menu page (refer page 3, "4. Rule of operation").
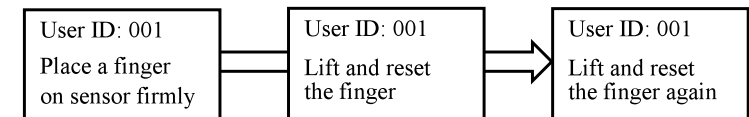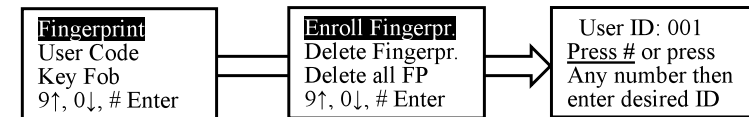
User could input a desired ID

7. Delete Fingerprint

Login system, enter menu page (refer page 3, "4. Rule of operation").

Delete User
001_?
* No, # Yes → **Successful**

User could input a desired ID

User ID: 001 Press # or press Any number then enter desired ID → **Enter user ID** (1 to 120): 1_ *Back, # Enter → **Delete User** 001_? * No, # Yes

8. Delete all fingerprint

Login system, enter menu page (refer page 3, "4. Rule of operation").

Fingerprint User Code Key Fob 9↑, 0↓, # Enter → Enroll Fingerpr. Delete Fingerpr. **Delete all FP** 9↑, 0↓, # Enter → Delete all Fingerprints ? * No # Yes

9. Add User Code

Login system, enter menu page (refer page 3, "4. Rule of operation").

Fingerprint **User Code** Key Fob 9↑, 0↓, # Enter → **Add Code** Delete Code Delete all Codes 9↑, 0↓, # Enter → Code ID: 001 Press # or press Any number then enter desired ID

Enter Code (4-12 digit) 123456 *Back # Enter → Enter Code again (4-12 digit) 123456 * Back # Enter

User could input a desired ID

Code ID: 001 Press # or press Any number then enter desired ID → Enter Code ID (1 to 300): 1_ *Back, # Enter → Enter Code (4-12 digit) 123456 * Back # Enter

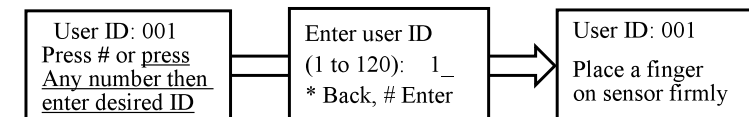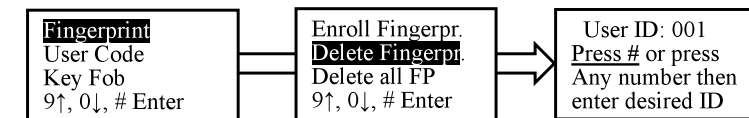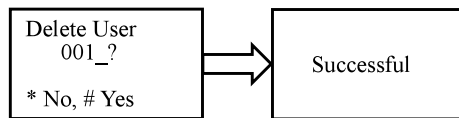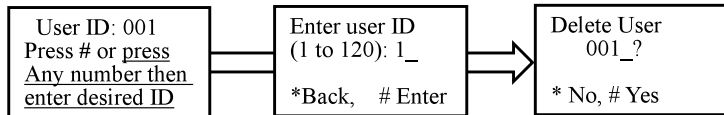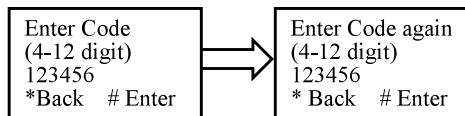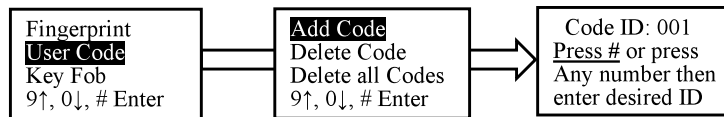## 10. Delete User Code

Login system, enter menu page (refer page 3, "4. Rule of operation").

Fingerprint **User Code** Key Fob 9↑, 0↓, # Enter → Add Code **Delete Code** Delete all Codes 9↑, 0↓, # Enter → Code ID: 001 **Press #** or press Any number then enter desired ID

Delete Code 001_? * No, # Yes → **Successful**

System allow user input a desired ID

Code ID: 001 Press # or press Any number then enter desired ID → Enter Code ID (1 to 300): 1_ * Back, # Enter → Delete Code 001_? * No, # Yes
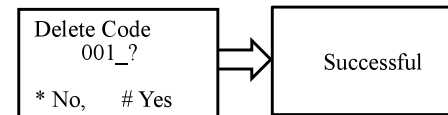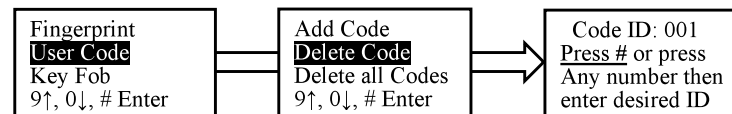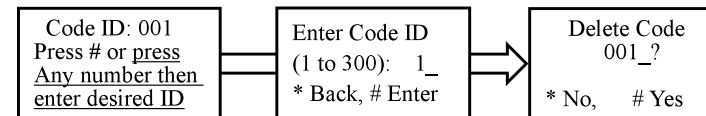
11. Delete all User Code

Login system, enter menu page (refer page 3, "4. Rule of operation").
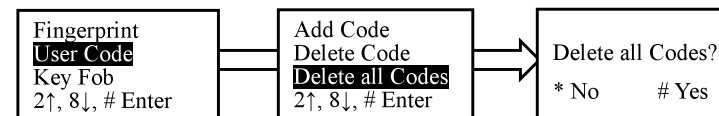
Fingerprint **User Code** Key Fob 2↑, 8↓, # Enter → Add Code Delete Code **Delete all Codes** 2↑, 8↓, # Enter → Delete all Codes? * No # Yes

12. Add Key Fob

Login system, enter menu page (refer page 3, "4. Rule of operation").

Fingerprint User Code **Key Fob** 9↑, 0↓, # Enter → **Add Key Fob** Delete Key Fob Delete all Fobs 9↑, 0↓, # Enter → Key Fob ID: 001 **Press #** or press Any number then enter desired ID

Put Key Fob close to screen on the card sign * Back → **Successful**

User could input a desired ID

Key Fob ID: 001 Press # or press Any number then enter desired ID → Enter key Fob ID (1 to 50): 1_ *Back, # Enter → Put Key Fob close to screen on the card sign * Back
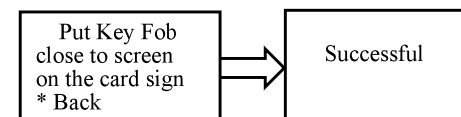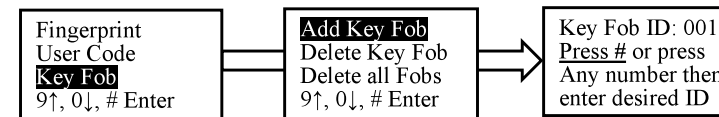
13. Delete Key Fob

Login system, enter menu page (refer page 3, "4. Rule of operation").

Fingerprint User Code **Key Fob** 9↑, 0↓, # Enter → Add Key Fob **Delete Key Fob** Delete all Fobs 9↑, 0↓, # Enter → Key Fob ID: 001 **Press #** or press Any number then enter desired ID

```
┌─────────────────┐      ┌─────────────────┐
│ Delete Key Fob  │      │                 │
│     001_?       │ ───▶ │   Successful    │
│                 │      │                 │
│ * No,    # Yes  │      │                 │
└─────────────────┘      └─────────────────┘
```

System allow user input a desired ID

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│  User ID: 001   │   │ Enter Key Fob ID│   │ Delete Key Fob  │
│ Press # or press│──▶│ (1 to 50):   1_ │──▶│     001_?       │
│ Any number then │   │ * Back, # Enter │   │                 │
│ enter desired ID│   │                 │   │ * No,    # Yes  │
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
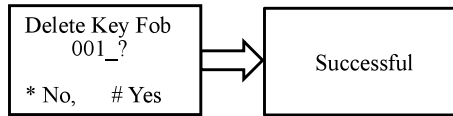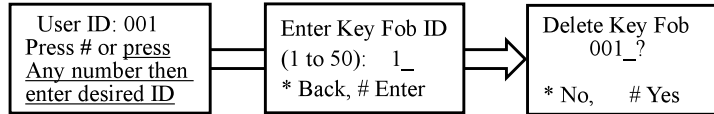
14. Delete all Key Fob

Login system, enter menu page (refer page 3, "4. Rule of operation").

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Fingerprint     │   │ Add Key Fob     │   │ Delete all Key  │
│ User Code       │──▶│ Delete Key Fob  │──▶│     Fobs?       │
│ Key Fob         │   │ Delete all Fobs │   │ * No       # Yes│
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │                 │
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
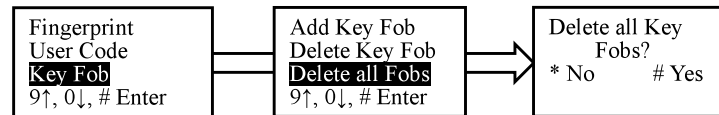
15. One time code

Login system, enter menu page (refer page 3, "4. Rule of operation").

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ User Code       │   │ Enter Code      │   │ Enter Code again│
│ Key Fob         │   │ (4-12 digit)    │   │ (4-12 digit)    │
│ One time code   │──▶│ 123456          │──▶│ 123456          │
│ 9↑, 0↓, # Enter │   │ *Back   # Enter │   │ *Back   # Enter │
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
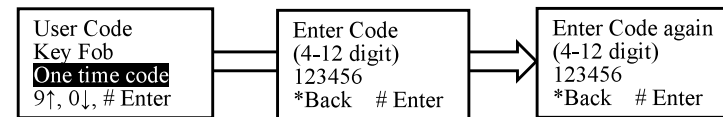
16. Set up date and time

Login system, enter menu page (refer page 3, "4. Rule of operation").
The default number will be replaced after input number.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ Date & Time     │   │ Date & time     │
│ One time code   │   │ Verify Mode     │   │ Date: mm/dd/yyyy│
│ System          │──▶│ Beep            │──▶│ Time: hh/mm/ss  │
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │ * Back, # Confirm│
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
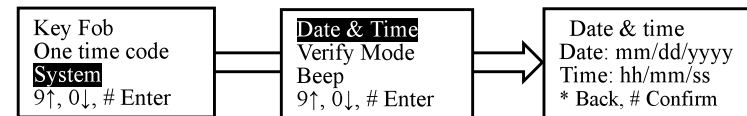
17. Set up Verify Mode

Login system, enter menu page (refer page 3, "4. Rule of operation").
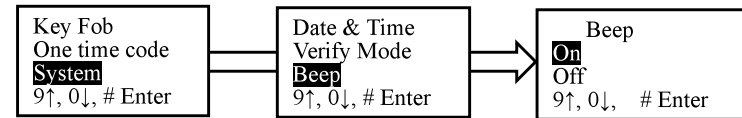The verify mode are Fingerprint, User code, Key Fob, Fingerprint + Code, Fingerprint + Fingerprint or Fingerprint + Key Fob. You may pick up one that you want.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ Date & Time     │   │ Finger/Code/KF  │
│ One time code   │   │ Verify Mode     │   │ Finger+Code     │
│ System          │──▶│ Beep            │──▶│ Finger+Finger   │
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │ 9↑, 0↓,  # Enter│
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
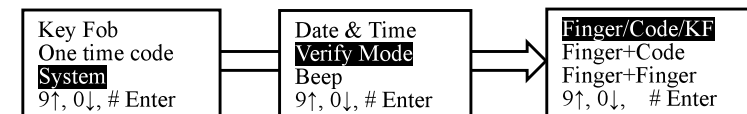
18. Set up Beep sound

Login system, enter menu page (refer page 3, "4. Rule of operation").
You may turn on or off sound.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ Date & Time     │   │ Beep            │
│ One time code   │   │ Verify Mode     │   │ On              │
│ System          │──▶│ Beep            │──▶│ Off             │
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │ 9↑, 0↓,  # Enter│
└─────────────────┘   └─────────────────┘   └─────────────────┘
```

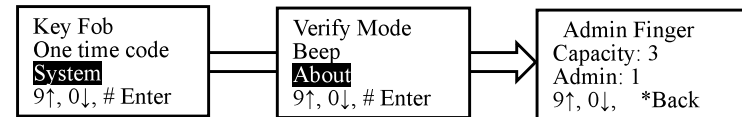## 19. Check system information

Login system, enter menu page (refer page 3, "4. Rule of operation").
You may check user information in "About" under the system.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ Verify Mode     │   │ Admin Finger    │
│ One time code   │   │ Beep            │   │ Capacity: 3     │
│ System          │──▶│ About           │──▶│ Admin: 1        │
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │ 9↑, 0↓,  *Back  │
└─────────────────┘   └─────────────────┘   └─────────────────┘
```

20. Change administrator code

Login system, enter menu page (refer page 3, "4. Rule of operation").
Please change default administrator code (1, 2, 3, 4) after you set up lock.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ Beep            │   │ Enter New Code  │
│ One time code   │   │ About           │   │                 │
│ System          │──▶│ Admin code      │──▶│ 123456_         │
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │ * Back,  # Enter│
└─────────────────┘   └─────────────────┘   └─────────────────┘
```

```
┌─────────────────┐   ┌─────────────────┐
│ Enter again     │   │                 │
│                 │   │                 │
│ 123456_         │──▶│   Successful    │
│ *Back   # Enter │   │                 │
└─────────────────┘   └─────────────────┘
```
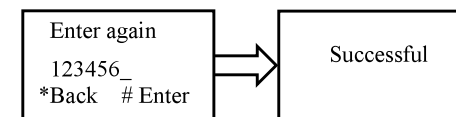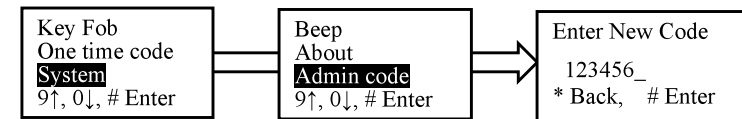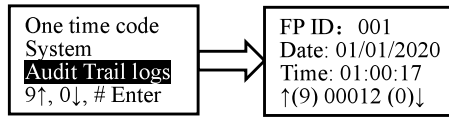
21. Reset system

Login system, enter menu page (refer page 3, "4. Rule of operation").
You may reset system to manufacture default. All Fingerprint, User Code, Key Fob and audit logs will be removed after reset. Administrator code will revert to default code 1, 2, 3, 4. All setting will revert to manufacture default.

```
┌─────────────────┐   ┌─────────────────┐   ┌─────────────────┐
│ Key Fob         │   │ About           │   │ Reset ?         │
│ One time code   │   │ Admin code      │   │                 │
│ System          │──▶│ Reset           │──▶│ *Back   #confirm│
│ 9↑, 0↓, # Enter │   │ 9↑, 0↓, # Enter │   │                 │
└─────────────────┘   └─────────────────┘   └─────────────────┘
```
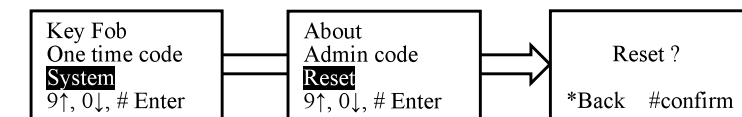
22. Audit Trail logs

Login system, enter menu page (refer page 3, "4. Rule of operation").
You may check audit trail logs on lock directly. Press **"9"** or **"0"** to page up or down.

```
┌────────────────────┐        ┌────────────────────┐
│ One time code      │        │ FP ID：001         │
│ System             │   →    │ Date: 01/01/2020   │
│ [Audit Trail logs] │        │ Time: 01:00:17     │
│ 9↑, 0↓, # Enter    │        │ ↑(9) 00012 (0)↓    │
└────────────────────┘        └────────────────────┘
```

23. How to Unlock the Door
Place Finger on sensor, enter User Code, then press # or place the Key Fob on the touchscreen. You will hear a long beep. Rotate the Thumbturn (knob) away from the door jamb to retract the bolt.

24. How to Lock the Door
Touch the screen with back of hand or with multiple fingers until digits illuminate.
Press #, you will hear a long beep. Rotate the Thumbturn (knob) toward the door jamb to extend the bolt. The door will be locked after light turns off. If you hear short beep, enter User Code then press #, use fingerprint or Key Fob to engage clutch.
<u>Caution: DO NOT Rotate the Thumbturn (knob) backward BEFORE light turns off.</u> The lock will keep unlock if you do it.

25. How to Use Key to Unlock
Hold the Thumbturn (knob) using your fingers, <u>keep it either vertically or horizontally aligned.</u> Insert the key into the cylinder, rotate the key 135° CLOCKWISE, then rotate the Thumbturn (knob) away from door jamb to retract the bolt.
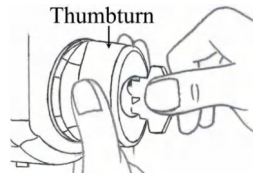
Thumbturn

26. Lockout Feature
Lock the door from the inside, then rotate the Lockout Thurmbturn counter clockwise 180°. The lock cannot be unlocked from the outside using Finger, Codes, Key Fobs nor keys. Rotate the Lockout Thumbturn back to release from lockout.

Lockout Thurmbturn
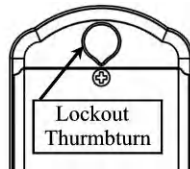
27. Reset System
The reset button is located on the inside of the battery compartment. Press and hold down the reset button for 3 seconds. Reset is successful if you hear a long beep. The Programming Code will revert to the default code 1234 and all stored Fingerprint, User Codes, One-time Code, Key Fobs and audit trail logs will be removed after the reset. All setting will revert to manufacture default.

Reset key
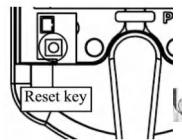
28. Low battery alert
Icon show battery level, remind user to change battery when low battery.

29. Additional power source
When power runs out, attach 9V battery to the ports that are located at the bottom of the lock to power up the system.

30. Troubleshooting

Problem	Solution
Can't login by administrator fingerprint.	Login with a fingerprint ID as 1, 2, 3, 4 or 5.
Can't program my fingerprint.	Try to program a different finger
Can't unlock by my fingerprint.	Try to place your finger on a different area or at a different angle.
Can't unlock by a User Code.	Try a different User Code.
System crash. The system doesn't accept any command.	Take one battery out, Use multiple fingers to touch keypad for 2 seconds, then place the battery back.
Battery hot or battery compartment melt.	Remove battery immediately. Take off lock from door, check wire if it is pinched or crushed. Contact manufacturer.
No power after placing battery in.	Check wire connection and check battery if it is put in backward.

31. Door Checking
Make sure your door is compatible. If you have a standard deadbolt mounted separately from the handle blow it, your door is compatible.

Compatible | **Not Compatible** Rim Lock | **Not Compatible** Mortise Lock | **Not Compatible** Integrated Interior
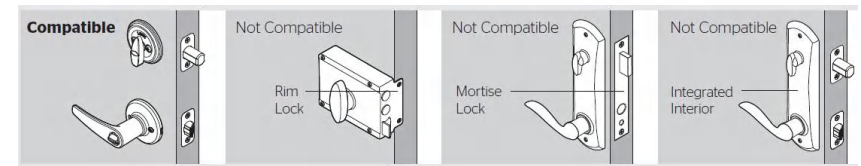
32. Door Preparation
Once you have all your tools together, follow each step carefully and in order. Because this is an electronic lock, the order of the steps is very important. If you skip a step, you may have to perform a factory default reset and start over.
1) TOOLS
Tools needed for brand new door: Chisel, Tape Measure, Phillips Screwdriver, 1" (25 mm) & ⅛" (3 mm) Drill Bits, 2 ⅛" (54 mm) Hole Boring Bit, Power Drill.
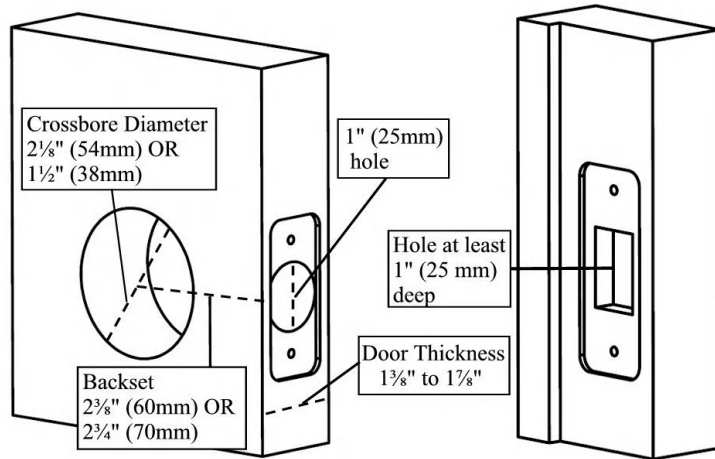2) PLEASE READ！
• **A Power Drill is for door preparation only. Do not use for lock installation！**
• Please read all the instructions before calling customer support.
• Please call customer support before returning the product to the store.
• DO NOT install the batteries before installing the lock.

• If you have previously installed this lock on another door, you MUST perform
 a Factory Default Reset FIRST.
• This lock is designed for the following operating temperatures:
  • Outside Lock Body (exterior mounted): -4˚F (-20˚C) to 151˚F (66˚C)
• Inside Lock Body (interior mounted): 14˚F (-10˚C) to 120˚F (49˚C)
 3) Before installation
   A. If there is a deadbolt lock on your door, remove the entire deadbolt, including
the bolt. You may keep the strike.
   B. Check the door/frame dimensions. Measure the dimensions shown. If your
door dimensions do not match, you will need to modify your door.

Crossbore Diameter
2⅛" (54mm) OR
1½" (38mm)

1" (25mm) hole

Hole at least 1" (25 mm) deep

Backset
2⅜" (60mm) OR
2¾" (70mm)

Door Thickness
1⅜" to 1⅞"

   C. The lock fits doors that are between 1⅜" and 1⅞" thick. If your door
thickness is between 1⅞" and 2⅛", please contact us for M5x70 (2) screws.
   4) Bolt preparation
    No action is required, if the backset of your door is 2⅜" (60 mm). Otherwise,

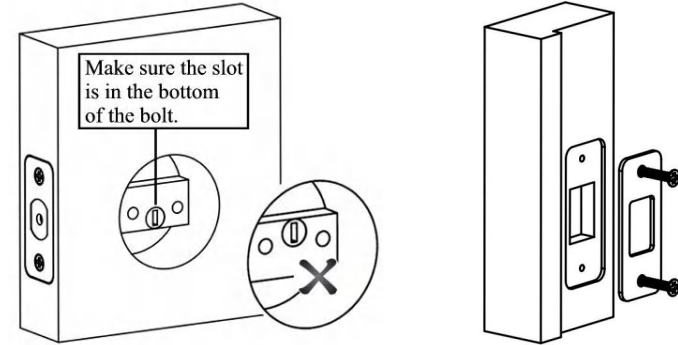Fig.1 Rotate key to extend the bolt

Fig. 2 Twist faceplate 180°

Fig. 3 Rotate key to retract the bolt

Fig. 4 Adjusted to 2¾" backset

adjust it to fit 2¾" (70mm) backset. Rotate key to extend the bolt (Fig. 1), twist
faceplate 180° (Fig.2) then rotate key to retract the bolt (Fig. 3).

33. Installing the Bolt and Strike

Make sure the slot is in the bottom of the bolt.

34. Installing the Touchscreen Assembly
  1) **Retract the bolt. Insert the Driver Bar into the slot vertically.** Route the cable
under the Bolt.
  2) The Touchscreen Assembly should install smoothly. If it does not:
     A. Check that the Bolt is set to the correct backset (switch between 2⅜" (60 mm)
and 2¾" (70mm)).
     B. If you have a cross borehole that is slightly less than 2⅛" (54 mm), the

Insert the Driver Bar into the slot vertically

The bolt must be Retracted

Thumbturn points down
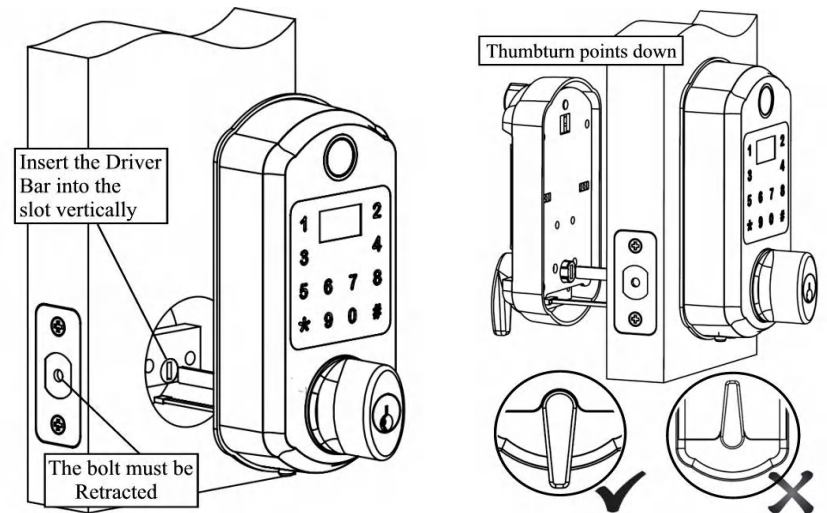
lock may not install smoothly. The three poles are removable. Always remove the three poles for a 1½" (38 mm) cross bore hole. See Pole Removal on page 14 before continuing.

35. Installing the Battery Assembly

1) Remove the battery cover. Plug the cable connector into the circuit board connector. The two connectors should fit only one way. Check the connector carefully. Make sure that they completely match when you plug the connector in.

2) **Rotate the Thumbturn to point down.** Align the Driver Bar with the vertical notch. Route the cable into the empty space. Slide the Battery Assembly toward the door. Make sure the Touchscreen and Battery Assembly are aligned with the door before tightening the screws. User screwdriver tighten M5x60 screws fully to prevent the lock from moving over time.

Hold the Touchscreen Assembly while tightening the M5x60 screws.

Lockout Thurmbturn
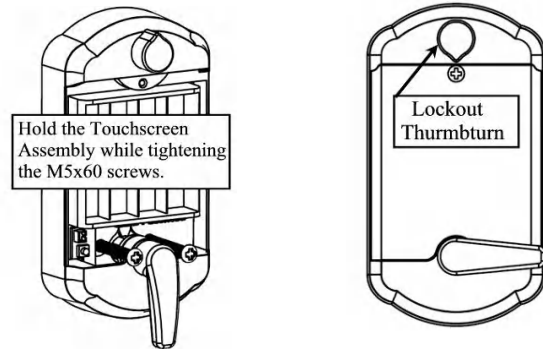
36. Installing the Batteries

Install four high-quality alkaline AA batteries (NOT included, **do not use rechargeable batteries**). Put the battery cover back and tighten the M4x6 screw. Touch the screen if the lock is not responding. In this case, check if the wires are pinched, crushed, or crimped. Lithium batteries may cause undesirable effects.

Alkaline Batteries Warning: Do not install backwards, charge, put in fire, or mix with other battery types. These may cause the batteries to explode or leak resulting in injury. Replace all the batteries at the same time.

37. Testing the Lock

1) Close the door. Make sure the **Thumbturn points down. Otherwise remove the lock and re-install from Step 34. Thumbturn should point to the side when locking the door.**

2) Rotate the Thumbturn toward the door edge to extend the bolt into the hole in the frame. This operation should be smooth. You should be able to rotate the Thumbturn 90°, fully extending the bolt.


Put the battery cover, tighten the M4x6 screw

3) If the operation was not smooth, or if the bolt does not fully extend, adjust strike on the frame and/or door preparation. Also check if the door seal strip was installed properly.

4) Testing the lockout feature: Lock the door from the inside, then rotate the lockout Thurmbturn counter clockwise 180°. The lock cannot be unlocked from the outside by Fingerprint, Codes, Key Fobs nor keys. Rotate it back to release from lockout. Re-install from step 34 if the Lockout Thurmbturn cannot be rotated 180°.

38. Pole Removal (OPTION FOR SMALL CROSSBORES HOLE ONLY)

If your door has less than a 2⅛" (54 mm) crossbore hole, remove the three poles as shown.

Rotate pole counter clockwise to remove poles
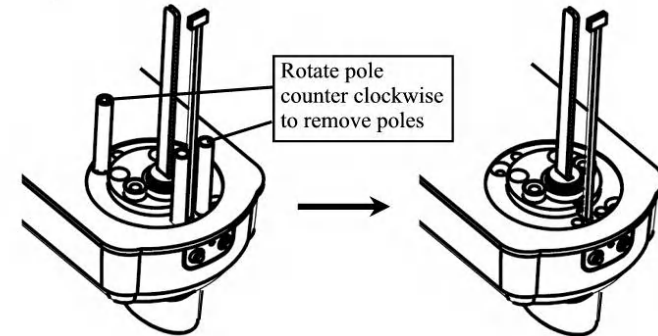
39. Product return

Please refer installation instruction to remove lock from door, put them back to original package. All accessories go in small box. **Thanks for your help !**