Richelock

IU-51 Fingerprint Door Lock

Installation and User Guide
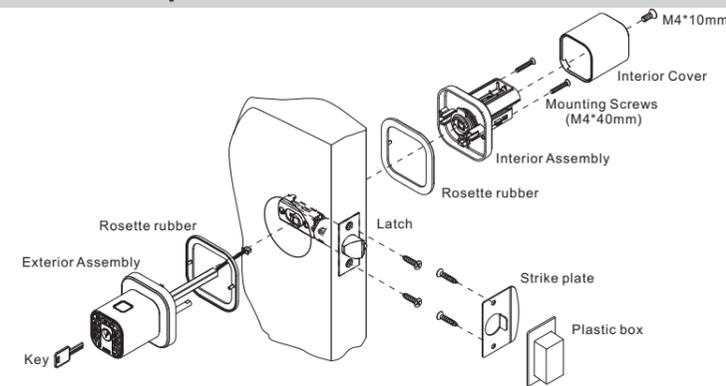
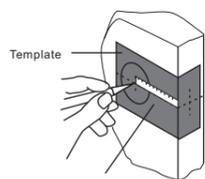Required tools（not included）

Ruler	
Philips head screwdriver	
Hammer	AAA + −
Chisel	AAA + −

Lock Components

M4*10mm
Interior Cover
Mounting Screws (M4*40mm)
Interior Assembly
Rosette rubber
Latch
Strike plate
Plastic box
Rosette rubber
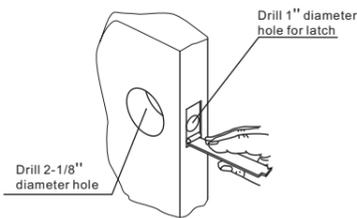Exterior Assembly
Key

1. Prepare the door and check dimensions
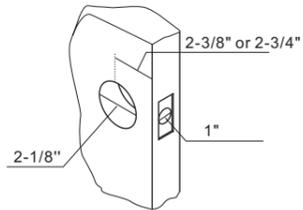
1.1 Use template to mark holes

Template

Measure your door for a backset of the 2-3/8"or 2-3/4". If it is 2-3/4", adjust the latch as follows: Grasp the spring pin and move it from the 2-3/8" slot to 2-3/4" slot.
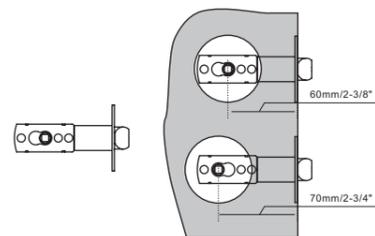
1.2 Drill two holes

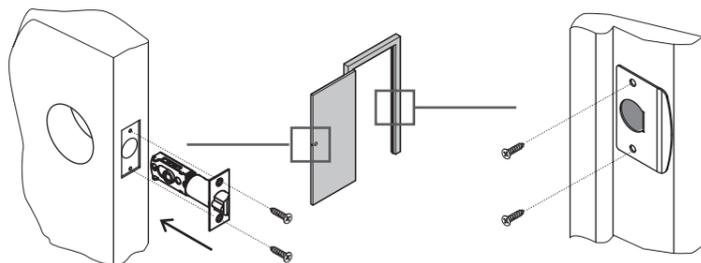Drill 1'' diameter hole for latch

Drill 2-1/8'' diameter hole

1.3 Check dimensions

2-3/8" or 2-3/4"
1"
2-1/8''

2.Install the latch and strike plate

2.1 Setting latch（2-3/8" or 2-3/4"）
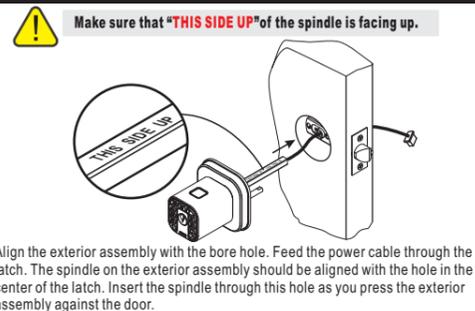

60mm/2-3/8"
70mm/2-3/4"

2.2 Install the latch

2.3 Install the strike plate

3.Install the exterior assembly and the interior assembly

3.1 Install the exterior assembly

⚠ Make sure that "**THIS SIDE UP**"of the spindle is facing up.


THIS SIDE UP

Align the exterior assembly with the bore hole. Feed the power cable through the latch. The spindle on the exterior assembly should be aligned with the hole in the center of the latch. Insert the spindle through this hole as you press the exterior assembly against the door.
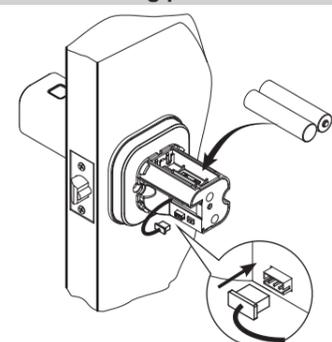
3.2 Install the interior assembly
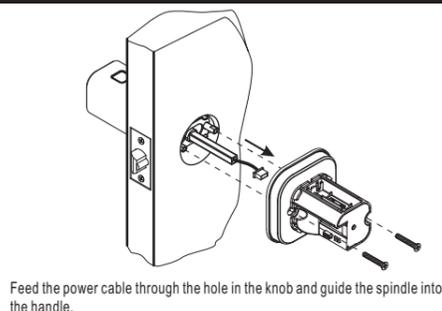
Feed the power cable through the hole in the knob and guide the spindle into the handle.
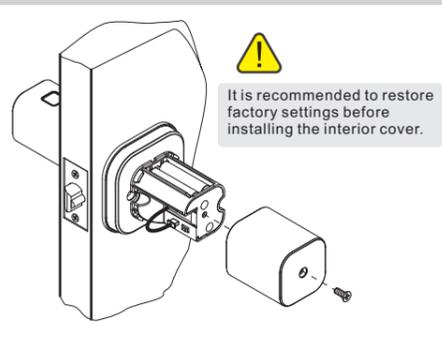
3.3 Push out the power cable
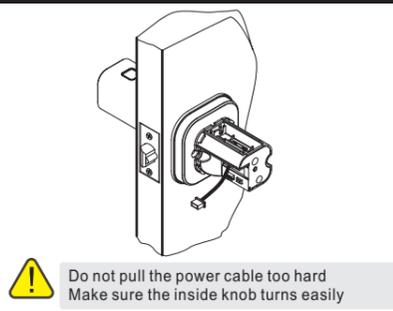
⚠ Do not pull the power cable too hard. Make sure the inside knob turns easily

4.Install the batteries and perform the door handing process



5.Install the interior cover

⚠ It is recommended to restore factory settings before installing the interior cover.

6.Testing the door lock

Step 1: Test the exterior knob
Turn the exterior knob clockwise or counterclockwise. And the latch will not move. If the latch moves in one direction, it means it is not installed correctly, please check step 3.1 section .
Step 2: Test the interior knob
Turn the interior knob clockwise or counterclockwise. The latch should move smoothly in both directions.
Step 3: Test the default master code
Enter 123456 ☑ , and you will see a green light and hear one long beep.
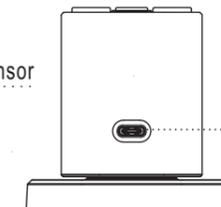Turn the exterior knob when it turns green. The latch should move smoothly in and out.

Mechanical Key Hole
LED indicator
FRONT VIEW
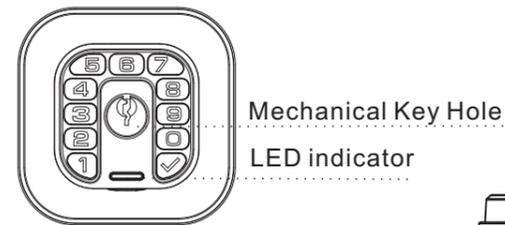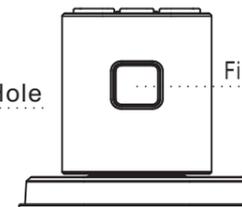
Fingerprint sensor
TOP VIEW

USB-C Port
Only for emergency power supply in case of battery failure.
⚠ Cannot be used for battery charging.
BOTTOM VIEW

Indicator light signals and beep

The color of the light indicates & beep ,the status of the lock.

● **Green**
. a correct master passcode or user passcode was entered ,one long beep
. the programming process is complete ,one long beep

● **Red**
. an incorrect master passcode or user passcode was entered,three short beep
. there was an error in programming, three short beep
. red blinking and beep after keypad backlit off indicates critically low battery

Passcode and Passcode Disguise

Master passcode
. The master code MUST EXIST and can be modified, but cannot be deleted.
. The lock comes preset with default master passcode 123456.
. Make sure to set a new master code which can be1-15 digits long as soon as you finish installing the lock.
. Used to put the lock in programming mode.
. Can unlock the lock.
. Must be different from all of the User Codes currently in the lock.
If you forget the master passcode, you may reset the lock to factory settings, which restores the default master passcode. Please see Restore Factory Settings.

User passcode
. User codes can be added, modified, deleted.
. Should be 1-15 digits long.
. The lock comes preset with no user codes.
. Used to unlock the lock.
. Must be different from the master passcode and other user passcodes.
. Up to 50 possible user codes can be stored in the lock at one time.

Passcode Disguise
This function is an added security feature which is aimed at preventing passcode theft. With Passcode Disguise, you may enter up to 40 digits into the keypad. As long as the correct passcode sequence is entered, regardless of how many digits were entered before or afterwards, the lock will unlock.
For example, if your user passcode is "112256", you can successfully unlock the lock by entering "***112256***"(limit 40 digits).

Unlock with passcode

master code or user code ☑

Green and one long beep
Code correct, you can turn the knob to open the door immediately, and it will be automatically locked later (the automatic locking time depends on the setting of the automatic locking timer, the default is 4 seconds).
Red and three short beeps
The code is incorrect, please re-enter the correct code and press the check button to confirm.

Unlock with fingerprint

Green and one long beep
Fingerprint correct, you can turn the knob to open the door immediately, and the lock will be automatically locked later (the automatic locking time depends on the setting of the automatic locking timer, the default is 4 seconds).
Red and three short beeps
Fingerprint is incorrect, please re-scan the fingerprint.

Unlock with key

Insert the key and rotate the key. The first quarter turn should be very easy, then continue to turn the key to retract the latch and you may need to apply some force.
Tips: Turning the handle with the other hand in the same direction while you are turning the key will make it easier to open.
Note: Because the knob is relative heavy and the mechanical key of this electronic door knob is completely independent, so using the key requires a little more force than the common mechanical lock.
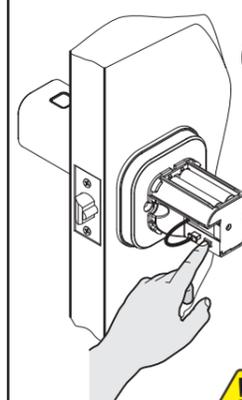
Immediate Lock

☑ ☑ ☑ ☑

Press the check button 4 times in a row at any time and the door will be immediately locked, which overrides any other working modes.

Restore Factory Settings

To delete all user codes, including the master code, follow the instructions below:
1. Use a screwdriver to remove the screws from the interior cover.
2. Remove the cover and locate the reset button on the battery pack.
3. Press and hold the reset button for 7 seconds until a long beep is heard. The master passcode will be restored to the manufacturer default code.

Default master code **123456**

7S

Settings	Default
Master code	123456
User code	Not preset
Fingerprint	Not preset
Beeper	Enable
Passage mode	Disable
Lock mode	Auto-lock mode
Auto-lock timer	4 seconds
Remote code	Deactivted

⚠ **Change your master code immediately when you finish restoring the factory settings .**

Features

. Two ways to access: code and key
. -22°F to +176°F temperature range
. Low power consumption, 2 AAA batteries for 1-year battery life or 12,000 unlocks
. Backlit keypad for use in low-light environments
. Supports 1 master code and 50 user codes
. Built-in mobile remote code
. Passage mode for hassle-free entry
. Built-in disguise feature to protect your codes from prying eyes
. Low battery warning indicator

No.	Item	Description
1	Keys	2 Mechanical keys (KW1 model)
2	Latch	Spring Latch (2-3/8" or 2-3/4" adjustable)
3	Master code	1 Group (From 1 to 15 digit in length)
4	User code	50 Groups (From 1 to 15 digit in length)
5	Fingerprint	100 Fingerprints
6	Battery usage	2 AAA Batteries (Not included)
7	Battery life	1 Year Battery Life or 12,000 times unlock
8	Operation temperature	From -22 F°to +176 F°

Quick Start

This lock can be programmed via keypad commands or voice prompts.

STEP 1. Factory Reset
Hold the "Reset " button for 7s → Voice:"... successfully".
Defaults: Master Code: 123456
STEP 2. Change Master Code
Keypad Method Enter: ✓2✓123456✓123456✓your own master code✓ your own master code✓
Example: your own master code is 2504
Enter: ✓2✓123456✓123456✓2504✓2504 ✓
Voice Method Hold ✓ for 4s → Enter `123456✓` → Press "5" → Follow prompts.
STEP 3. Add Fingerprints
Keypad Method Enter: ✓10✓your own master code✓ → Scan fingerprints 6 times..
Voice Method Hold ✓ for 4s → Enter `your own master code✓` → Press "1" → Follow prompts

This lock's fingerprint recognition system improves with use. During enrollment, scan your finger 6 times across different areas (e.g., tip, sides) for optimal sensitivity. Even if initial scans seem inconsistent, the system continues to learn and adapt during daily use, becoming more accurate over time.
Note: Temporary lower sensitivity after enrollment is normal. Regular use will enhance performance.

Programming Command mode

» If you make a mistake during programming,press the check button repeatedly until the keypad lights up. Then start over.

FINGERPRINT

REGISTER FINGERPRINT
✓ 1 0 ✓ Master code ✓
Scan fingerprints 6 times based on voice navigation. Every time there will be a short beep sound. Scanning different parts of your finger each time will increase sensitivity, and the lock will automatically learn your fingerprint. After multiple uses, it will become more sensitive.

DELETE FINGERPRINT
✓ 1 1 ✓ Master code ✓
Scan unwanted fingerprint

DELETE ALL FINGERPRINT
✓ 1 2 ✓ Master code ✓

PASSCODE

ADD USER CODE
✓ 1 Master code ✓ User code ✓ User code ✓

CHANGE THE MASTER CODE
✓ 2 Master code ✓ Master code ✓ New master code ✓ New master code ✓
⚠
Note : The master code MUST EXIST in the lock and cannot be deleted, but can ONLY be changed.

CHANGE THE USER CODE
✓ 2 Master code ✓ Unwanted user code ✓ New user code ✓ New user code ✓

DELETE ONE USER CODE
✓ 3 ✓ Master code ✓ Unwanted user code ✓

DELETE ALL USER CODE
✓ 4 Master code ✓
⚠ Note : The master code cannot be deleted, but can ONLY be changed.

BEEPER

ENABLE KEY TONE (BEEPER)
✓ 6 Master code ✓ 1 ✓

DISABLE KEY TONE (BEEPER)
✓ 6 ✓ Master code ✓ 0 ✓

PASSAGE

EASY PASSAGE MODE
✓ 5 ✓ Master code ✓
With EASY PASSAGE MODE active, the door will stay unlocked.
Press any button to turn off this function when it is no longer needed.

ADVANCED PASSAGE MODE
✓ 0 Master code ✓ 1 ✓
With ADVANCED PASSAGE MODE active, open the door by twisting the handle directly. Turn off this mode only by entering master code and check key.
* Press the check button 4 times in a row , the door will be immediately locked, which overrides any working modes.

ADVANCED

AUTO LOCK MODE
✓ 0 Master code ✓ 0 ✓
In AUTO-LOCK MODE the door will automatically lock after each unlocking, the auto-lock time depends on the setting of the auto-lock timer.
* Press the check button 4 times in a row, door will be immediately locked, which overrides any working modes.

MANUAL LOCK MODE
✓ 0 Master code ✓ 2 ✓
In MANUAL LOCK MODE the auto-lock will turn off.
After unlocking the door with a passcode or fingerprint, it will remain unlocked until any button is pressed.

SET AUTO LOCK TIMER
✓ 9 Master code ✓ 3 ✓ Auto lock timer ✓
The automatic lock time unit is seconds. Minimum is 2 seconds. Maximum is 43200 seconds (12 hours). Default is 4 seconds.

ACTIVATE REMOTE CODE
✓ 8 Master code ✓ Activate code ✓
The activate code is generated by the website,(www.mylock.iulock.com) Deactivate remote code function when the activate code is 0.

Programming Voice prompts mode

Press and hold ✓ for 4 seconds

To make your programming easier, this lock offers Voice Prompts, which you can access by holding ✓ for 4 seconds.

4S

Enter master code✓

- ⓪ Exit voice navigation
- ① Register fingerprint
- ② Delete one fingerprint
- ③ Delete all fingerprints
- ④ Add user code
- ⑤ Change code
- ⑥ Delete one user code
- ⑦ Delete all user codes
- ⑧ System settings
  - ⓪ Return to main menu
  - ① Turn on the key tone
  - ② Turn off the key tone
  - ③ Manual lock mode
  - ④ Auto lock mode
  - ⑤ Auto-lock timer
  - ⑥ Restore the factory

Troubleshooting

The lock doesn't work?
Try replacing the battery or using the backup battery. If the lock still does not work, contact customer support.
Why can't I open the door?
You may be waiting too long to open the door. After entering a code, turn the handle to open the door while the lock LED indicator light is green. Once the LED indicator light is off, The lock immediately returns to the locked state.
Why can I open without a passcode?
You may have activated the passage mode. Use master code access to turn off this function. If you just installed it, make sure the "THIS SIDE UP" on the spindle is facing up (ceiling), please check 3.1 section .
I forgot all my codes.
The lock must undergo a hard reset in order to set the master code back to default and erase all other codes. In order to perform a hard reset, please refer to the above "Restore Factory Settings".
When I put the code in, it gives a green indicator light and beeps(no motor noise), but it doesn't unlock?
Please try using the self-diagnosis command. ✓9✓master code✓1 ✓7890✓ You will hear continuous buzzing and motor noise.if no motor noise, try turning the knob left and right quickly when it beeping. If the motor noise can be heard, it indicates that it has returned to normal. Run it for 2-3minutes or more, then press any key to exit the self-diagnosis.
If none of the above information resolves your issue, please visit our website at: www.iulock.com

Warranty

1-Year Limited Mechanical & Finish Warranty and 1-Year Limited Electronics Warranty
Subject to the terms and conditions of this warranty, IULOCK provides a one-year limited mechanical and finish warranty, and a one-year limited electronics warranty, to the original consumer purchaser ("Original User") of the IULOCK brand product ("Product") against defects in materials and workmanship, for as long as the Original User occupies the residential premises where the Product was originally installed. For full warranty details and limitations, please visit www.iulock.com.

Important Safeguards

1. Read all instructions in their entirety.
2. Familiarize yourself with all warning and caution statements.
3. Remind all family members of safety precautions.
4. Protect your user passcode and master passcode.
5. Dispose of used batteries according to local laws and regulations.

⚠ **WARNING**

This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means. or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder's hardware is available in multiple performance grades to suit different applications. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.

Template

Φ1inch

Φ2inch

1−3/8inch
to
2−1/2inch

2−3/8inch

2−3/4inch