

Installation Manual

Version V1.0

*The contents of this user manual are subject to change without prior notice to the user in order to enhance performance of the products.



INDEX

Read before use

Product features	1
Product specification - Exterior trim	2
Product specification - Interior trim	3

How to use

Exterior Access	4
How to install / replace battery	7
Emergency power supply	7
Reset to factory default settings	7

How to install

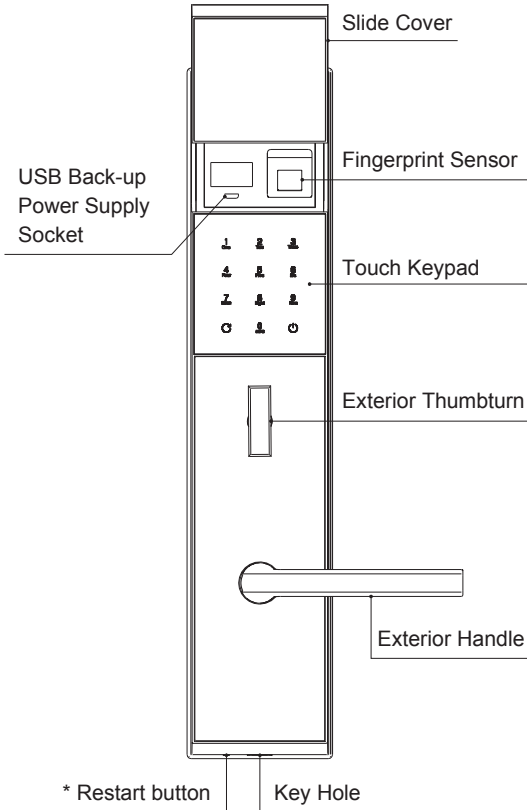
How to reverse exterior thumbturn & exterior lever handle	8
How to reverse interior lever handle	8
Installation	9
Installation of ZigBee Module(Optional)	11

**✓ Product features**

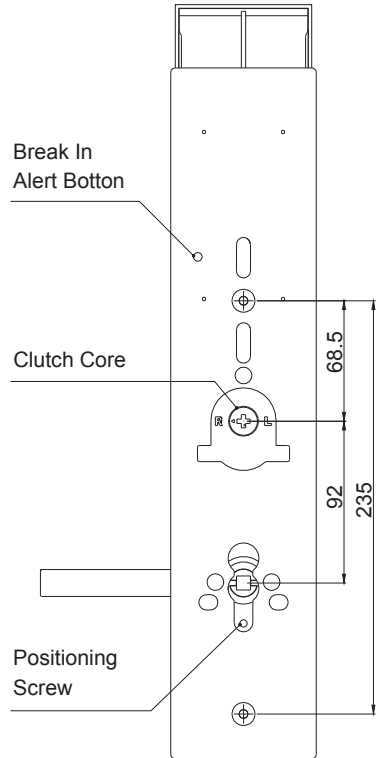
No.	Items	Sub-items	Specification
1	Unlocking Method	Fingerprint	Capacity: 3 masters + 97 users
2		Password	Capacity: 3 masters + 47 users
3		Mechanical key	4 Keys
4	Power supply	Working voltage	4 pieces of 1.5V AA alkaline battery only
5		Battery life	>3,000 cycles under normal usage
6		Low voltage alarm	≤4.8V
7		Back-up power supply	5V Micro-USB
8	Power consumption	Quiescent current	≤100uA
9		Dynamic current	≤300mA
10	Fingerprint sensor	Scanning area	12mm×12mm
11		Resolution	508dpi
12		Responding speed	<0.5 second
13		Working temperature	-25°C~70°C
14		Relative humidity	20%~95%
15		FRR	≤0.1%
16		FAR	≤0.001%
17		Scanning angle	60°
18		Fingerprint sensor	Semi-conductor
19		Comparison mode	1:N
20		Antistatic ability	≤air ± 15KV / contact 8KV
21	Accessibility	Unlock record	50 pieces



✓ Product specification - Exterior trim



Front View



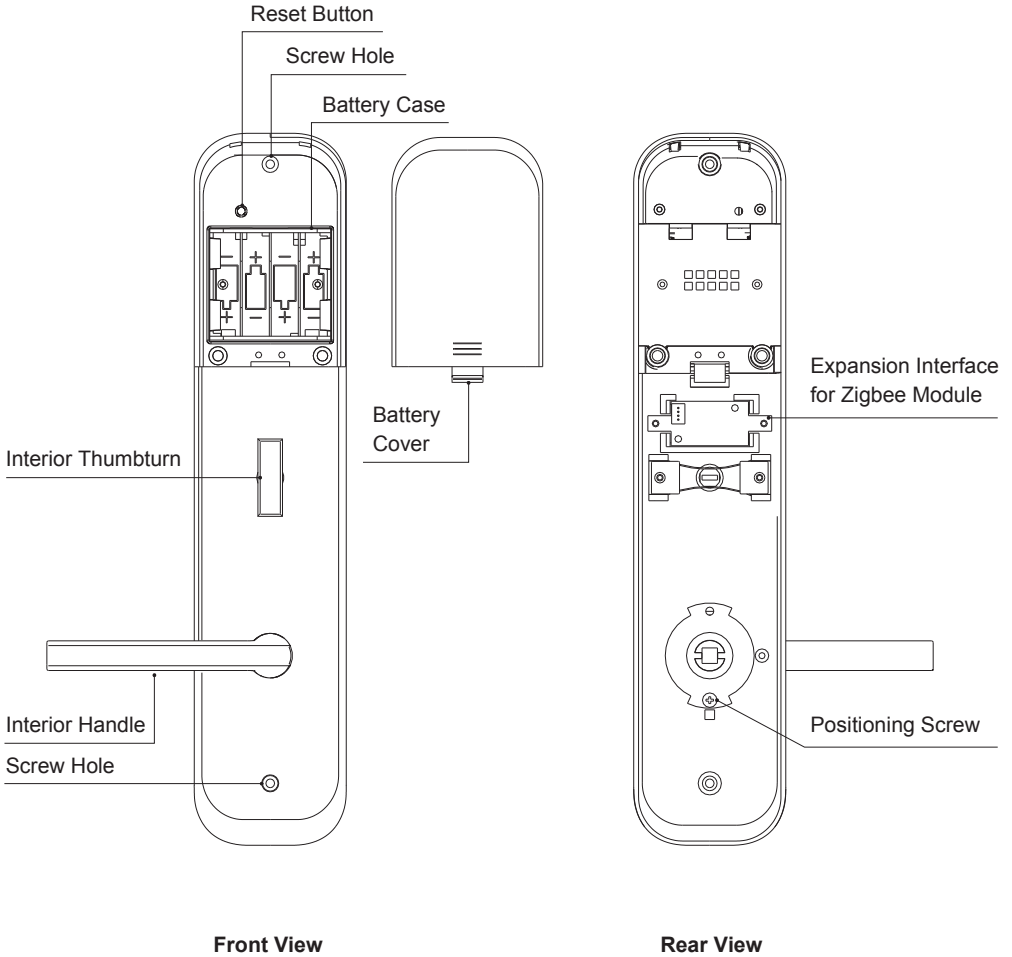
Rear View

* **Usage of Restart Button:** when lock system fail to operate, press the restart button to restore the lock system for normal usage.

Noted: This operation will not reset the lock system.



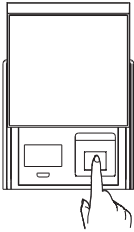
✓ Product specification - Interior trim





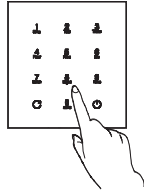
Exterior Access

Fingerprint



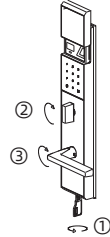
- Step 1. Place the finger on the fingerprint sensor area.
- Step 2. When prompted to unlock, turn the thumbturn, then press down the handle to open the door.

Password



- Step 1. Touch keypad to turn it on.
- Step 2. Enter the digital code/ password and press "⏏" to unlock.
- Step 3. When prompted to unlock, turn the thumbturn, then press down the handle to open the door.

Mechanical key



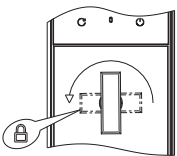
- Step 1. Insert the key into the keyhole at the bottom of Exterior Trim and turn it 90°.
- Step 2. Turn the thumbturn.
- Step 3. Press down the handle to open the door.

CAUTION

The turning direction of the thumbturn is different for Left or Right-opening door. Please follow below instruction for the operation of thumbturn.

For Right opening door

Lock from outside



After closing the door, turn the exterior thumbturn 90° counterclockwise to lock the door.

* The exterior thumbturn will reset automatically after releasing it.

Unlock from outside

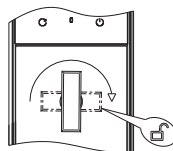


Diagram 1

Step 1. Enter the unlock verification information (fingerprint or password), or use mechanical key.

Step 2. Turn the exterior thumbturn 90° clockwise to unlock (refer to Diagram 1).

* The exterior thumbturn will reset automatically after releasing it.

Step 3. Press down the lever handle to open the door (refer to Diagram 2).

Note: If there is no lock, the door can be opened directly by pressing down the lever handle.

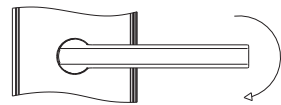
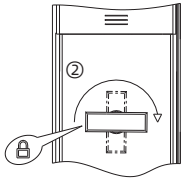


Diagram 2



✓ Exterior Access

Lock from inside



After closing the door, turn the interior thumbturn 90° clockwise to lock the door.

* The interior thumbturn will NOT reset after releasing it.

Unlock from inside

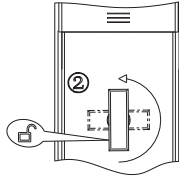


Diagram 1

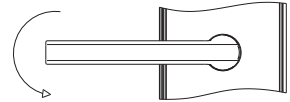


Diagram 2

Step 1. Turn the interior thumbturn 90° counterclockwise to unlock (refer to Diagram 1).

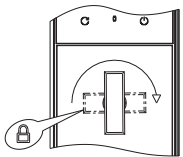
* The interior thumbturn will NOT reset after releasing it.

Step 2. Press down the lever handle to open the door (refer to Diagram 2).

Note: If there is no lock, the door can be opened directly by pressing down the lever handle.

For Left opening door

Lock from outside



After closing the door, turn the exterior thumbturn 90° clockwise to lock the door.

* The exterior thumbturn will reset automatically after releasing it.

Unlock from outside

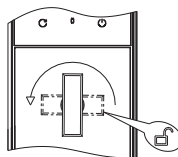


Diagram 1

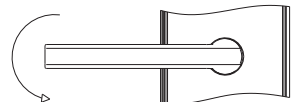


Diagram 2

Step 1. Enter the unlock verification information (fingerprint or password), or use mechanical key.

Step 2. Turn the exterior thumbturn 90° counterclockwise to unlock (refer to Diagram 1).

* The exterior thumbturn will reset automatically after releasing it.

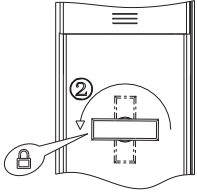
Step 3. Press down the lever handle to open the door (refer to Diagram 2).

Note: If there is no lock, the door can be opened directly by pressing down the lever handle.



✓ Exterior Access

Lock from inside



Unlock from inside

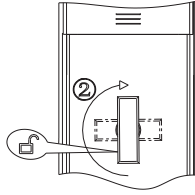


Diagram 1

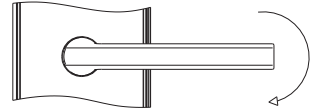


Diagram 2

After closing the door, turn the interior thumbturn 90° counterclockwise to lock the door.

* The interior thumbturn will NOT reset after releasing it.

Step 1. Turn the interior thumbturn 90° clockwise to unlock (refer to Diagram 1).

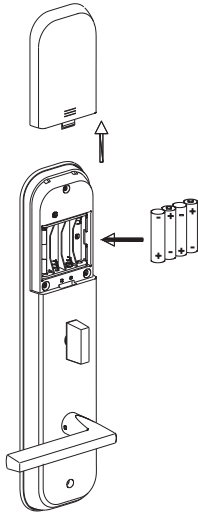
Step 2. Press down the lever handle to open the door (refer to Diagram 2).

* The interior thumbturn will NOT reset after releasing it.

Note: If there is no lock, the door can be opened directly by pressing down the lever handle.



How to install / replace battery



To install battery

- Step 1. Remove battery cover
- Step 2. Install 4 pieces of AA alkaline(!) battery
- Step 3. Close the battery cover

Low power warning and battery replacement

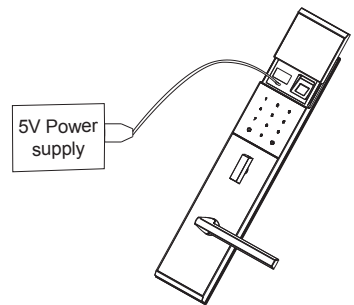
When the battery is lower than 4.8V, there is low power warning signal will appear on the screen. Please replace all batteries as soon as possible.

CAUTION

1. Make sure the batteries are installed according to the positive and negative pole.
2. Do not mix old and new batteries!

Emergency power supply

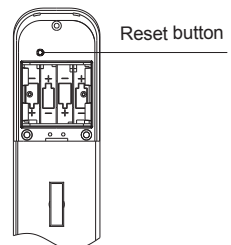
If the battery is too low or completely depleted, preventing the lock from being opened from outside with master/user identification, you can connect a 5V power supply to the USB port on the exterior trim (refer to diagram). Once connected, unlock the door using the master/user identification and replace all batteries immediately.



Reset to factory default settings

Operation instructions:

1. Open battery cover and find the reset button.
2. Press the reset button and keep pressing "⏏" on keypad to reset the system.
3. All user data and settings will be deleted.

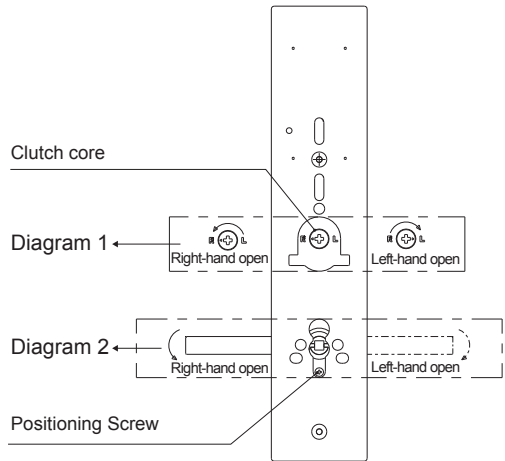




✓ How to reverse exterior thumbturn & exterior lever handle

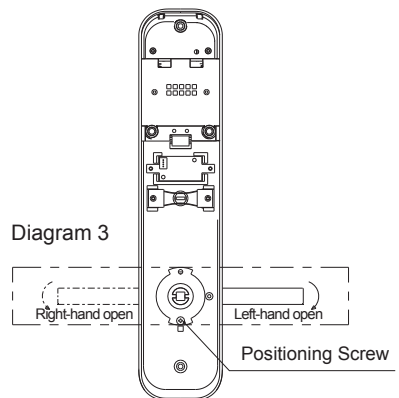
Step 1. Turn the clutch core according to the door opening direction (refer to the diagram 1).

Step 2. Unscrew the positioning screw and turn the lever handle 180° downward (refer to the diagram 2) and screw the positioning screw back.



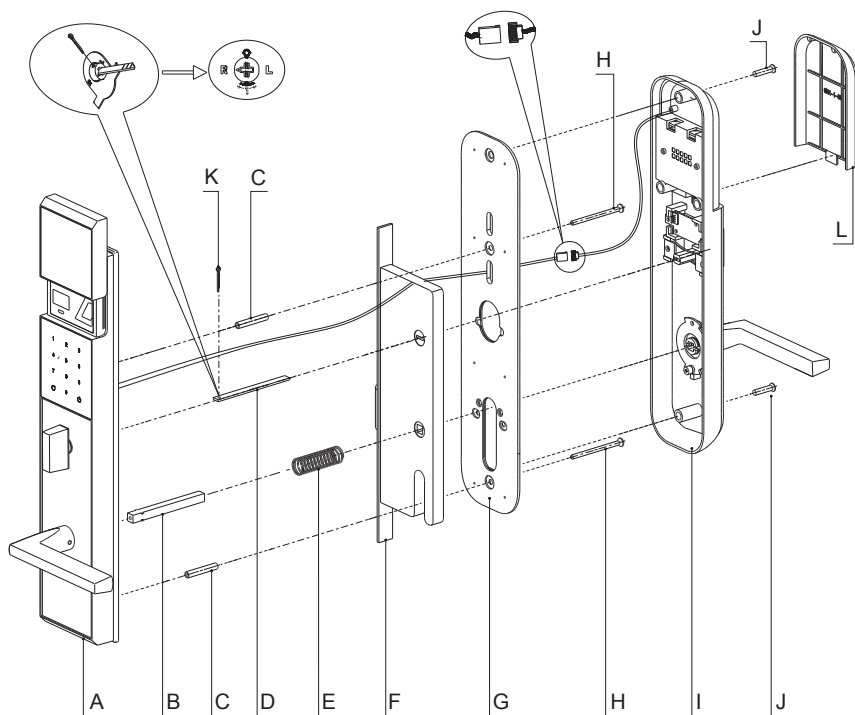
✓ How to reverse interior lever handle

Unscrew the positioning screw and turn the lever handle 180° downward (refer to the diagram 3) and screw the positioning screw back.





Installation

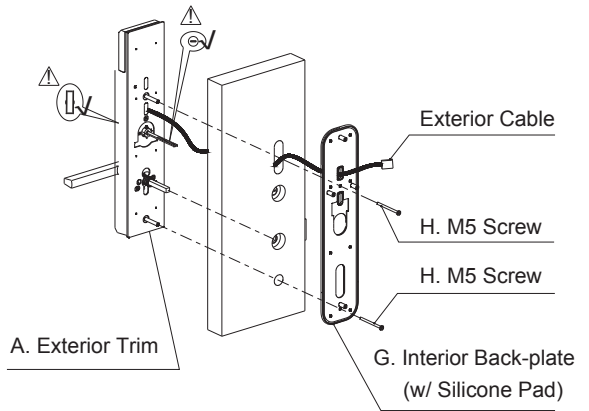
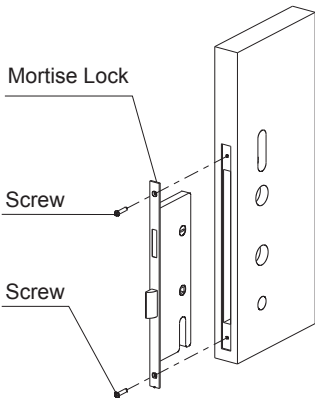
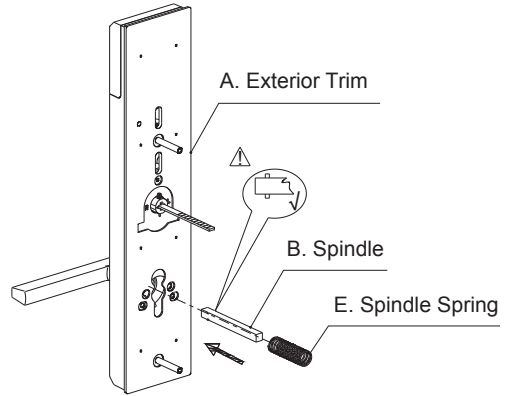
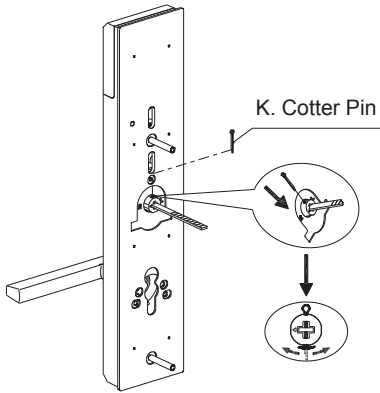
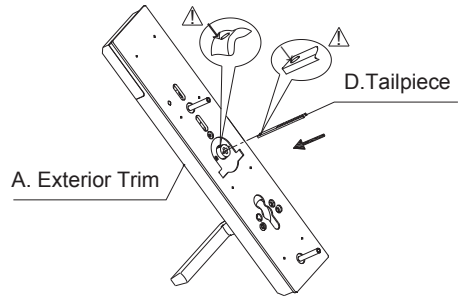
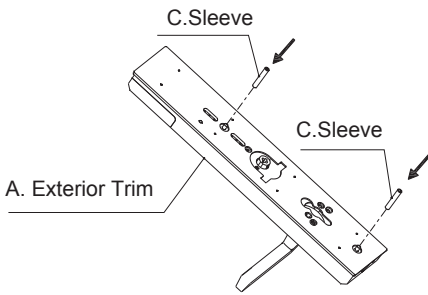


No.	Item	Quantity
A	Exterior Trim	1
B	Spindle	1
C	Sleeve	2
D	Tailpiece	1
E	Spindle Spring	1
F	Mortise Lock	1

No.	Item	Quantity
G	Interior Back-plate (with silicone pad)	1
H	M5 Screw	2
I	Interior Trim	1
J	M4 Screw	2
K	Cotter Pin	1
L	Battery Cover	1

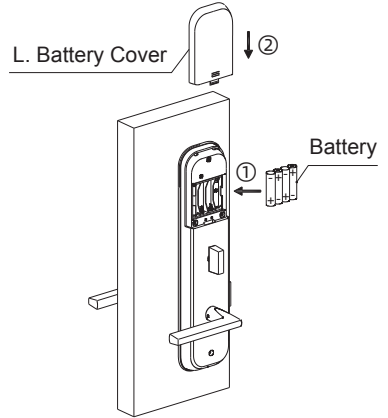
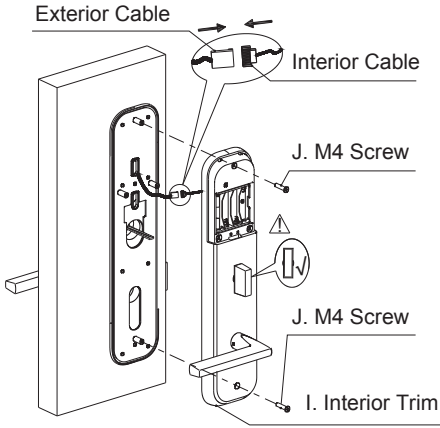


Installation

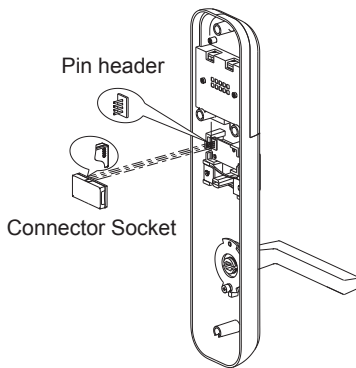
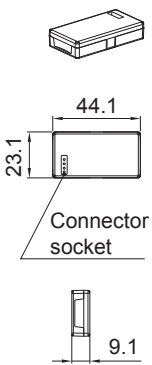




Installation



Installation of ZigBee Module(Optional)



- Step 1. Disconnect the power supply before inserting ZigBee module.
(For example, pull out the battery or disconnect the cables of both-side trims.)
- Step 2. Insert the module on the back-side of interior trim according to the diagram.
- Step 3. Make sure to power on the lockset after inserting the module.

CAUTION

Power off is required to install or uninstall a ZigBee module.