



# Smart door lock Product Manual

Newcapec Electronics Co., Ltd.

# 1. Product Introduction

The I3 Series Intelligent Door Lock is a high-tech product developed by our company. It supports multiple unlocking methods including contactless 13.56M radio frequency card, password and mechanical key. It is a safe, reliable, energy-efficient, flexible-to-operate and easy-to-manage intelligent door lock, mainly used in offices and dormitories in campuses, enterprises and public institutions.

## 2. Appearance and Specifications

### 2.1Product Appearance



Schematic Diagram of Intelligent Door Lock Appearance

### 2.2 Product Specifications

|              |                                              |
|--------------|----------------------------------------------|
| Color        | Tech Black / Titanium Gray                   |
| Lock Housing | Outer shell: Integrally cast aluminum alloy, |

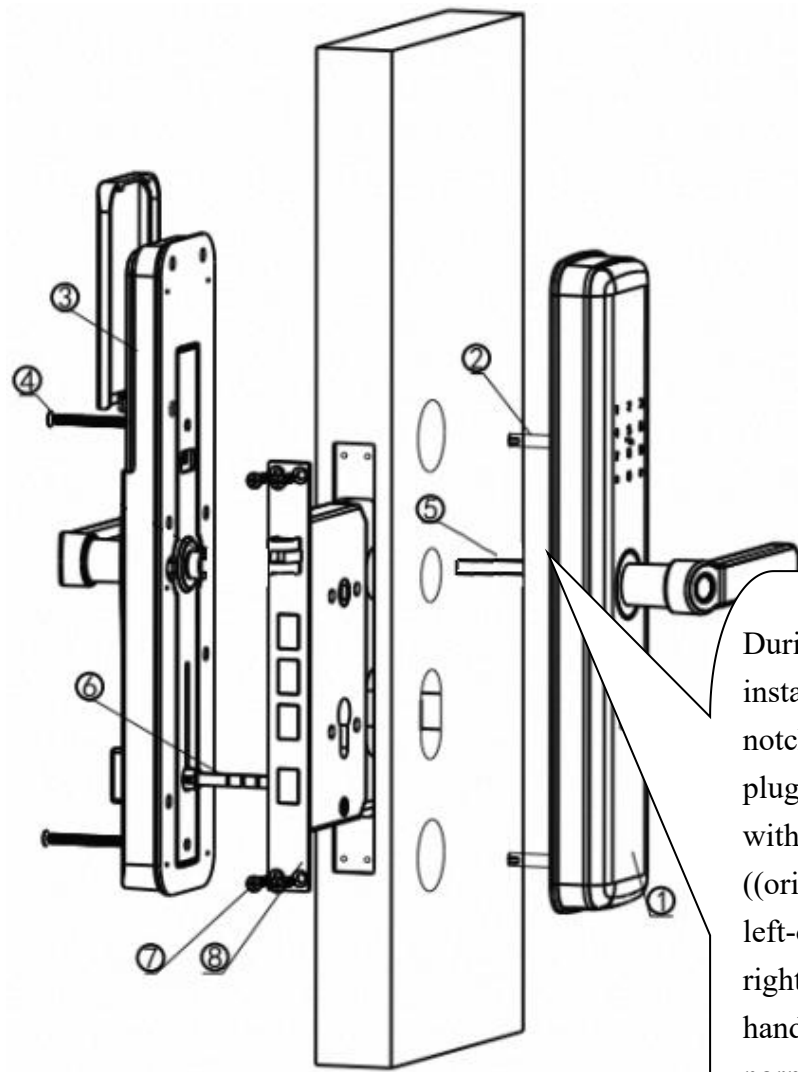
|                             |                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Material                    | oxidation and corrosion resistant;Decorative panel: Adopts IML in-mold injection molding process, anti-fingerprint residue |
| Lock Body                   | 6068 anti-theft lock body, pure copper lock cylinder                                                                       |
| Handle Material             | Solid aluminum alloy handle with self-lubricating bearings for long service life                                           |
| Supported Card Types        | RFID-enabled intelligent door lock, supports Mifare 1 card / CPU card / special-shaped card / mobile phone NFC             |
| Unlocking Methods           | Card swiping, NFC, password, mechanical key                                                                                |
| Power Supply                | 4 AA high-energy alkaline dry batteries                                                                                    |
| Battery Location            | Inside the room                                                                                                            |
| Low Voltage Alarm           | Supports low power voice alarm prompt                                                                                      |
| Emergency Power Supply      | Supports power bank emergency power supply, interface on the front panel                                                   |
| Communication Method        | 2.4G-WiFi                                                                                                                  |
| Suitable Door Thickness     | 40~120mm                                                                                                                   |
| Suitable Door Types         | Wooden doors, iron doors, standard anti-theft doors                                                                        |
| External Dimensions (L×W×T) | 357×75×27mm (excluding handles)                                                                                            |
| Working Temperature         | -10℃~50℃                                                                                                                   |
| Relative Humidity           | 20%-80%                                                                                                                    |

# 3. Installation Instructions

## 3.1 Installation Diagram of Intelligent Door Lock

The main components and installation process of the intelligent door lock are shown in the figure below. Install the lock in numerical order.

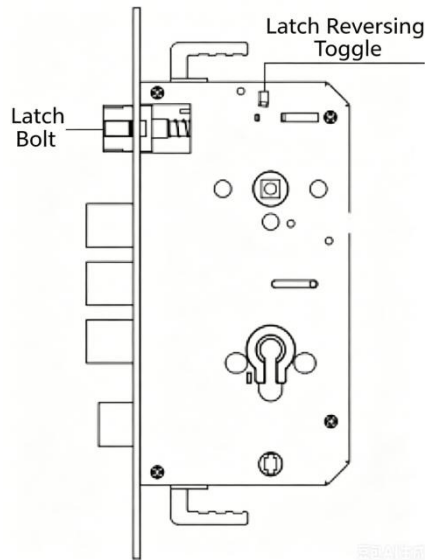
| Component&Accessory<br>Name           | Component& Accessory Name                                                |
|---------------------------------------|--------------------------------------------------------------------------|
| 1. Front Panel                        | 6.Deadbolt Safety Toggle                                                 |
| 2. Double-pass Stud                   | 7.Cross-recessed<br>Countersunk Screw M5 (For<br>Iron Doors)             |
| 3. Rear Panel                         | 7.Cross-recessed<br>Countersunk Self-tapping<br>Screw (For Wooden Doors) |
| 4.Cross-recessed<br>Countersunk Screw | 8.6068 Lock Body                                                         |
| 5.Square Shaft                        |                                                                          |



Door Lock Installation Diagram

During lock body panel installation, align the notch of the square shaft plug inside the handle with the handle ((orientation (L for left-opening, R for right-opening)).If the handle cannot unlock normally when pressed down after entering the unlocking command during debugging, please check if the arrow of this part is correct. ( ▲ )

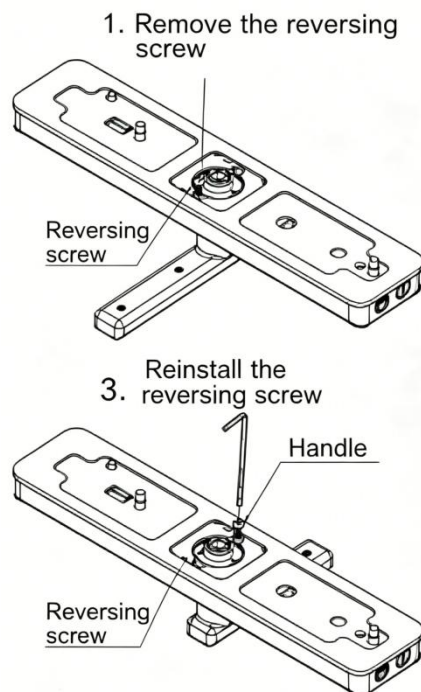
## 3.2 Lock Body and Handle Direction Adjustment Methods



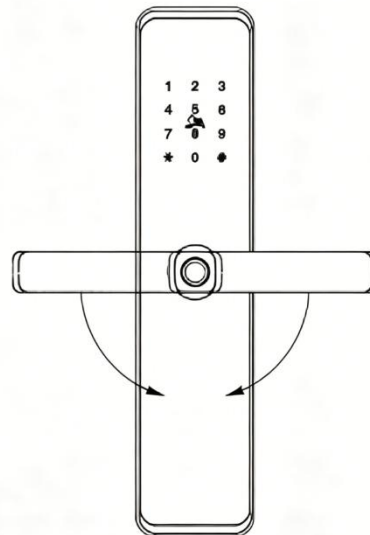
### LatchBolt Direction Adjustment:

- Push up the "Latch Bolt Direction Adjustment Plate" to the top;
- The lock body latch bolt pops out, rotate it 180°, then push the latch bolt back in;
- Push down the "Latch Bolt Direction Adjustment Plate" to the bottom;
- Change the latch bolt direction according to indoor and outdoor opening requirements.

Latch Reversal Diagram



1. Rotate the handle downward by 180°



Handle Reversal Diagram

### Notes:

- The handle reversing screw is in the accessory package. Install the handle reversing screw first before mounting the door lock.

- Do not press any wires when installing the front and rear panels, otherwise the circuit may be damaged (Critical).

#### **1) Verify Correct Installation (Critical)**

- After opening the door, both front and rear handles can rebound to horizontal position without resistance.
- When turning the deadbolt knob, the deadbolt can move in and out smoothly without resistance.
- When closing the door, the latch bolt can easily enter the frame slot without obvious resistance or jamming.
- After closing the door, there is no wobble when pulling the door back and forth.

#### **2) Battery Replacement:**

- Refer to the installation diagram for battery replacement steps.
- **Battery Usage Precautions:**
  - Use the correct battery model (qualified high-energy alkaline batteries from regular manufacturers are recommended).
  - Remove the batteries if the lock will not be used for a long time.
  - Do not mix batteries of different models or new and old batteries.
  - Install batteries with correct positive and negative polarities.
  - Dispose of used batteries in accordance with local environmental protection laws.
  - Keep batteries away from children and pets.

## **4. Safety Precautions**

- 1) Wear protective gloves during construction and installation.
- 2) When in normal use, open and close the door gently. Avoid forcing the handle excessively, use the deadbolt function properly, and avoid strong impact on the lock and deadbolt from slamming the door, to extend the

product service life.

## **5. Maintenance and Care**

- 1) Clean the lock surface regularly to keep it clean. Do not use acidic or alkaline cleaners during cleaning, as they may damage the surface plating.
- 2) Regularly check the fit clearance between the lock body and strike plate, and the height fit between the bolt and strike plate hole. The optimal clearance between the door and frame is 2mm — 5mm. Adjust the door hinge or strike plate position if changes are found. Also pay attention to thermal expansion and contraction caused by weather (humid in spring, dry in winter) to ensure reasonable clearance fit, ensuring smooth lock operation.

### **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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

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 & your body.



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