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UJNIKM UJNIKM

UJNIKM Fingerprint Door Lock with Video Camera and Smart App

Instruction Manual

1. Introduction

Thank you for choosing the UJNIKM Fingerprint Door Lock. This smart lock integrates advanced security features including fingerprint recognition, a video camera, and smart app control to provide a secure and convenient access solution for your home or office. Please read this manual carefully before installation and operation to ensure proper use and optimal performance.

2. Product Overview and Components

The UJNIKM smart door lock offers multiple unlocking methods and integrated features for enhanced security and convenience.

- **Unlocking Methods:** Tuya Smart App, Fingerprint, Password, Card, Physical Key
- **Integrated Features:** Digital Door Viewer, Photo Capture, Doorbell Function, USB Charging Port
- **Security:** Anti-prying alarm, Automatic Locking, Enhanced Night Vision Camera





Figure 2.1: Front and back view of the UJNIKM Fingerprint Door Lock, showcasing the integrated display and keypad.



Figure 2.2: Detailed diagram labeling key components such as the Night Vision Camera, Touch Keypad, Display Screen, Fingerprint Reader, and USB Charging Port.

3. Specifications

Parameter	Value
Door Type Compatibility	Stainless Steel, Aluminum, Brass, Wooden, Steel doors
Door Thickness	40-80mm
Unlock Methods	Tuya App, Fingerprint, Password, Card, Key
Material	Aluminum Magnesium Alloy
Mortise Type	6068 Stainless Steel Mortise
Battery	1x DC 7.4V Lithium battery (rechargeable, 4300mAh)
Battery Life	Approx. 12 months (10,000 normal open cycles)

Fingerprint Capacity	100
Passcode Capacity	100
Card Capacity	100
Working Temperature	-10°C to 60°C
Network	WiFi
Certifications	CE, FCC

4. Installation Guide

Proper installation is crucial for the lock's functionality and security. Ensure your door meets the specified thickness and prepare the door according to the mortise dimensions.

4.1 Door Preparation

Verify your door thickness is between 40mm and 80mm. The lock is designed for a 6068 mortise. Refer to the diagram below for precise measurements required for mortise and lock body installation.



Figure 4.1: Diagram illustrating the dimensions of the 6068 double mortise and the lock body for installation.

4.2 Handle Direction

This model is configured for a right-push handle direction. Ensure this matches your door's opening direction.

4.3 General Installation Steps (Summary)

1. Prepare the door by drilling necessary holes and mortise recess according to the template (not provided in this manual, refer to packaging).
2. Install the mortise into the door edge.
3. Connect the cables between the front and rear panels.
4. Mount the front and rear lock panels, securing them with screws.
5. Install the battery and test the lock's basic functions.

5. Setup and Configuration

5.1 Battery Installation

Locate the battery compartment on the rear panel. Insert the rechargeable DC 7.4V Lithium battery (4300mAh) into the compartment. Ensure correct polarity. Close the battery cover securely.



Figure 5.1: Illustration of the rechargeable lithium battery and its installation into the lock's rear panel.

5.2 Tuya Smart App Setup

1. Download the Tuya Smart App from your device's app store.

2. Register or log in to your Tuya account.
3. Add the smart lock device by following the in-app instructions. This typically involves putting the lock into pairing mode (refer to the lock's display or specific instructions for pairing mode activation) and connecting it to your home WiFi network.
4. Once connected, you can manage users, view access logs, and remotely unlock the door via the app.

5.3 Adding Users (Fingerprints, Passwords, Cards)

User management is typically performed through the Tuya Smart App or directly on the lock's keypad/display. Refer to the app's interface for detailed steps on adding new fingerprints, setting up passcodes, and registering RFID cards.

- **Fingerprint:** Place your finger on the fingerprint reader multiple times as prompted until registered.
- **Password:** Enter a new password on the keypad and confirm it.
- **Card:** Present the RFID card to the card sensing area when prompted.

6. Operating Instructions

6.1 Unlocking the Door

- **Fingerprint:** Place your registered finger on the fingerprint reader.
- **Password:** Enter your registered password on the touch keypad, then press '#' or the confirmation key.
- **Card:** Present your registered RFID card to the card sensing area.
- **Physical Key:** Insert the physical key into the keyhole and turn to unlock.
- **Tuya App:** Open the Tuya Smart App on your smartphone and use the remote unlock function.

6.2 Digital Door Viewer and Photo Capture

When the doorbell rings, the integrated display screen will automatically show the situation outside the door. The lock can also capture pictures. You will receive a remote unlock request on your phone via the Tuya App, allowing you to grant access remotely.



Figure 6.1: The digital door viewer displaying a visitor and a smartphone showing a remote unlocking request via the Tuya App. Features enhanced night vision and a 120° wide-angle camera.

6.3 Automatic Locking

The UJNIKM smart lock features an automatic locking mechanism after unlocking. This eliminates the need to manually lock the door, providing peace of mind that your door is secured even if you forget to lock it.

7. Maintenance

7.1 Battery Charging

The lock is powered by a rechargeable lithium battery. When the battery level is low, the lock will provide a low battery warning. Connect a standard USB cable to the USB charging port on the front panel to recharge the battery. Ensure the lock is fully charged for optimal performance.

7.2 General Care

- Clean the lock's surface with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Keep the fingerprint reader and camera lens clean for accurate operation.
- Do not expose the lock to extreme temperatures or direct water spray.

8. Troubleshooting

8.1 Anti-Prying Alarm

The smart lock is equipped with an anti-prying alarm. If an abnormal attempt to tamper with or force open the lock is detected, it will trigger an alarm and send real-time information to your mobile phone via the Tuya App.



Figure 8.1: Visual representation of the anti-prying alarm being triggered on the lock's keypad.

8.2 Common Issues

- **Lock not responding:** Check battery level. Recharge or replace if necessary.
- **Fingerprint not recognized:** Ensure your finger is clean and dry. Re-register fingerprint if issues persist.
- **WiFi connection issues:** Ensure your router is within range and the WiFi network is stable. Re-pair the lock with the Tuya App if needed.
- **Remote unlock not working:** Verify your phone has internet access and the Tuya App is logged in and connected to the lock.

9. Warranty and Support

UJNIKM products are manufactured to high-quality standards. For warranty information, please refer to the specific warranty card included with your product or contact your retailer. For technical support or any questions regarding your UJNIKM Fingerprint Door Lock, please contact the seller or manufacturer's customer service.

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