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UJNIKM Tuya WiFi Smart Door Lock 3D Face Recognition

UJNIKM Tuya WiFi Smart Door Lock 3D Face Recognition User Manual

Model: Tuya WiFi Smart Door Lock 3D Face Recognition

Brand: UJNIKM

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your UJNIKM Tuya WiFi Smart Door Lock with 3D Face Recognition. Please read this manual carefully before installation and use to ensure proper functionality and safety. Keep this manual for future reference.

Important Safety Information

- Do not attempt to disassemble or repair the lock yourself. Refer to qualified technicians.
- Ensure the correct battery type and polarity are used during installation.
- Keep keys and IC cards in a secure location, separate from the lock.
- Regularly check battery levels and replace batteries when indicated to prevent lock-out.
- Protect the lock from direct water exposure and extreme temperatures.

Package Contents

Verify that all items listed below are included in your package:

- 1X Smart Lock
- 1X 8086 Lock Body (24x240mm, or 30x240mm) -*Note: Specific size may vary based on order.*
- 1X Lock Cylinder
- 1X USB Cable
- 2X Keys
- 2X IC Cards
- Some Screws

Product Overview

Familiarize yourself with the components of your smart door lock:



Image Description: This diagram labels the various parts of the UJNIKM Smart Door Lock. On the left (interior panel), components include the LCD Display, Function Buttons, Handle, and Anti-Lock Button. On the right (exterior panel), components include the Face Camera, Light, Cat Eye, LCD, Password Area, IC Card Area, Doorbell, Lock, Fingerprint Area, USB Port, Key Port, and Indication Light. The overall height is indicated as 420mm and width as 75mm.

- **Face Camera:** Used for 3D face recognition unlock.
- **LCD Display:** Shows status, time, and user interface.
- **Password Area:** Touchpad for entering numerical passwords.
- **IC Card Area:** Sensor for unlocking with IC cards.
- **Fingerprint Area:** Sensor for fingerprint recognition.
- **Key Port:** For emergency mechanical key unlock.
- **USB Port:** For emergency power supply (e.g., via power bank).
- **Handle:** For opening the door after successful unlock.
- **Anti-Lock Button:** Engages the internal deadbolt for added security.

Setup and Installation

Proper installation is crucial for the optimal performance of your smart lock. It is recommended to have this installed by a professional if you are unfamiliar with door lock installations.

1. Door Preparation

- Ensure your door thickness is between **40mm and 120mm**.
- Verify the dimensions of your existing mortise lock or prepare the door according to the provided lock body dimensions.



Image Description: This image displays the dimensions of the UJNIKM Smart Door Lock's mortise lock body and the overall lock panels. The mortise lock body has dimensions such as 240mm height, 225mm screw hole distance, 60mm backset, and 68mm center distance. The main lock panels are shown with a height of 420mm and a width of 75mm.

2. Mechanical Installation

1. Install the mortise lock body into the door edge.
2. Install the lock cylinder.
3. Attach the exterior and interior panels, ensuring all cables are properly connected and not pinched.
4. Secure the panels with the provided screws.
5. Install the handle, noting that the handle direction is reversible.

3. Battery Installation

- Locate the battery compartment on the interior panel.
- Insert the 7.4V Lithium Battery (4200mAh) according to the polarity indicators.
- Close the battery compartment cover.

4. App Setup (Tuya App)

The UJNIKM Smart Door Lock integrates with the Tuya app for remote control and management.

1. Download the **Tuya** app from your device's app store (compatible with Android 4.3/iOS 7.0 and above).
2. Register or log in to your Tuya account.
3. On the app's home screen, tap "Add Device" or the "+" icon.
4. Select "Lock (Wi-Fi)" from the device categories.
5. Follow the on-screen instructions to connect your smart lock to your home Wi-Fi network. This typically involves putting the lock into pairing mode and entering your Wi-Fi credentials in the app.
6. Once connected, you can manage users, view access logs, and control the lock remotely.



Image Description: This image shows the Tuya app interface on a smartphone, demonstrating the "Add Device" screen. The screen displays various device categories, with "Lock (Wi-Fi)" highlighted, indicating the option to add a Wi-Fi enabled smart lock to the app.

Operation

Your UJNIKM Smart Door Lock offers multiple ways to unlock your door.

1. Unlocking Methods

- **Face Recognition:** Stand in front of the lock's face camera. The lock will scan your face and unlock if a registered face is recognized.
- **Fingerprint:** Place your registered finger on the fingerprint sensor. The lock will unlock upon successful recognition.
- **Password:** Enter your registered numerical password on the keypad, followed by the '#' key.
- **IC Card:** Present your registered IC card to the IC card area on the lock.
- **Key:** In case of emergency or battery depletion, use the physical key to unlock the door via the key port.
- **APP (Tuya):** Use the Tuya app on your smartphone to remotely unlock the door.

The lock has an unlock time of approximately 1.5 seconds after successful authentication.

2. User Management (via Tuya App)

The Tuya app allows you to add, modify, and delete users for each unlock method (face, fingerprint, password, IC card). Refer to the Tuya app's in-app guide for detailed instructions on user management.

- **Fingerprint Capacity:** Up to 100 unique fingerprints can be stored.
- **Password Capacity:** Up to 100 unique passwords can be stored.
- **IC Card Capacity:** Up to 2 unique IC cards can be stored (additional cards may be purchased and registered).

3. Anti-Lock Function

From the inside, press the Anti-Lock Button to engage the internal deadbolt, preventing external access even with valid credentials (except for the mechanical key).

Maintenance

1. Battery Management

- The 4200mAh lithium battery typically lasts 3-8 months on a full charge, depending on usage.
- The lock will provide low battery warnings. Replace or recharge the battery promptly.

- In case of complete battery depletion, use a power bank connected to the USB port for emergency power, or use the physical key.

2. Cleaning

- Wipe the lock's surface with a soft, dry cloth.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.
- Keep the fingerprint sensor, face camera, and keypad clean for optimal performance.

Troubleshooting

Problem	Possible Cause	Solution
Lock does not respond.	Battery depleted.	Connect a power bank to the USB port or use the physical key. Replace/recharge battery.
Fingerprint/Face recognition fails.	Sensor/camera dirty; unregistered user; improper placement.	Clean sensor/camera. Ensure finger/face is correctly positioned. Register user if not already done. Try another unlock method.
Password not accepted.	Incorrect password entered; password not registered.	Verify the password. Ensure the password is registered. Try another unlock method.
Cannot connect to Tuya app.	Incorrect Wi-Fi credentials; lock not in pairing mode; Wi-Fi signal weak.	Ensure correct Wi-Fi password. Put lock into pairing mode. Move closer to Wi-Fi router or check signal strength.
Lock is loose or wobbly.	Mounting screws are loose.	Carefully tighten all mounting screws. Do not overtighten.

Specifications

Feature	Specification
Brand	UJNIKM
Model Name	Tuya WiFi Smart Door Lock 3D Face Recognition
Color	Gray
Material	Zinc Alloy
Battery Type	7.4V Lithium Battery
Battery Capacity	4200mAh
Battery Life	3-8 months (per full charge)
Fingerprint Capacity	100 pieces
Password Capacity	100 pieces

IC Card Capacity	2 pieces (included)
Unlock Time	1.5 seconds
Standby Current	30 uA
Alarm Current	300mA
Unlock Ways	Face Recognition, APP, Fingerprint, Password, Key, MF Card
Compatible System	Android 4.3 / iOS 7.0 Above
Door Thickness	40-120mm
App	Tuya
Item Weight	50 Grams (product description) / 1.76 ounces (specifications) - *Note: Discrepancy in source data.*

Warranty and Support

For warranty information and technical support, please refer to the manufacturer's official website or contact the seller directly. Keep your purchase receipt as proof of purchase.

For further assistance, you may contact the seller via the platform where the product was purchased.

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