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UJNIKM B0DBLWTNS7

UJNIKM Tuya WiFi Electronic Door Lock User Manual

Model: B0DBLWTNS7

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your UJNIKM Tuya WiFi Electronic Door Lock (Model: B0DBLWTNS7). This smart lock offers multiple unlocking methods including biometric fingerprint, smart card, password, and traditional key, with compatibility for Tuya/Smartlife APP, Alexa, and Google Home Assistant. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- Ensure all components are present and undamaged before installation.
- Do not expose the lock to direct water or extreme temperatures.
- Use only specified batteries (4 x No. 7 dry batteries).
- Keep mechanical keys in a safe location outside the property.
- Regularly change passwords and update fingerprint data for security.
- Consult a professional if you are unsure about any installation steps.

3. Product Overview and Components

The UJNIKM Tuya WiFi Electronic Door Lock integrates advanced security features with smart home connectivity. Familiarize yourself with the main components:

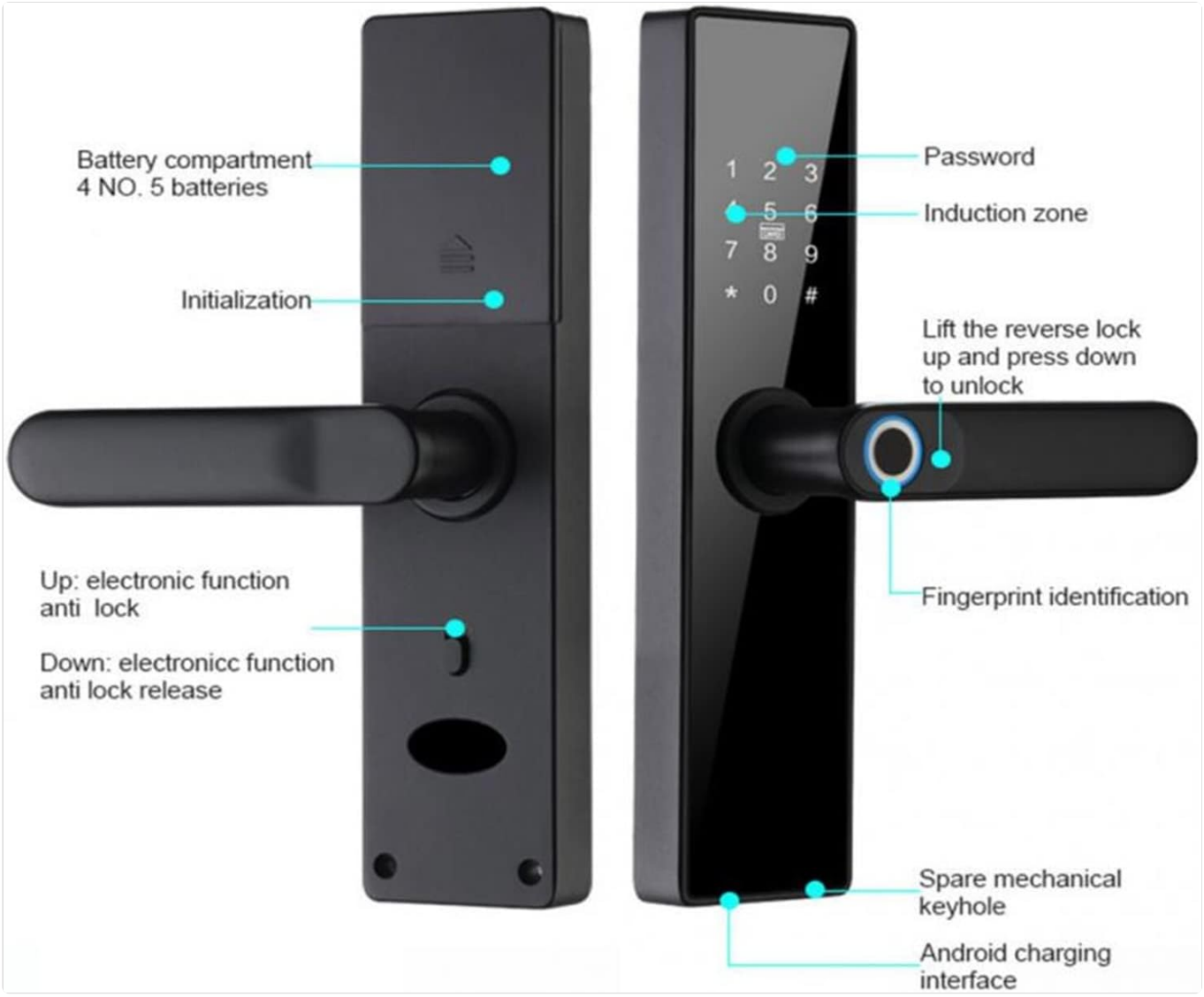

Image 3.1: Detailed view of the UJNIKM smart door lock components, including the battery compartment, initialization button, password keypad, induction zone for smart cards, fingerprint identification area, mechanical keyhole, and Android charging interface for emergency power.

- **Front Panel:** Password keypad, fingerprint sensor, smart card induction zone, emergency power port.
- **Rear Panel:** Battery compartment, initialization button, anti-lock release switch, mechanical keyhole.
- **Handle:** Ergonomically designed for comfortable operation.
- **Mortise Lock:** The internal mechanism that secures the door.

Key Features:

- Multiple Unlock Methods: Fingerprint, Password, Smart Card, Mechanical Key, Tuya/Smartlife APP.
- Smart Home Integration: Compatible with Amazon Alexa and Google Home Assistant.
- High Security: Supports virtual passwords, temporary passwords, and timed passwords.
- Voice Prompts: Multi-language voice guidance (supports 8 Mandarin voices, English).
- Low Battery Alarm: Alerts when battery voltage drops to 4.5±0.2V.
- Administrator Management: Up to 9 administrator groups.
- User Capacity: 100 fingerprints, 100 passwords, 100 smart cards.

4. Technical Specifications

Feature	Specification
Power Supply	4.5V-6V (4 x No. 7 dry batteries)
Quiescent Current	<50-65 mA
Working Current	>250 mA
Administrator Capacity	9 groups
Fingerprint Capacity	100
Password Capacity	100 (6-8 digits, up to 16-bit virtual password)
Smart Card Capacity	100
Low Voltage Alarm	4.5±0.2V
Working Temperature	-10°C to 60°C
Relative Humidity	20%-93%
Door Compatibility	Wooden, stainless steel, bronze, old-fashioned anti-theft doors
Dimensions (Mortise)	Refer to Image 5.1 for detailed measurements in millimeters.
Item Weight	1.76 ounces (approximately 50 grams)

5. Installation and Setup

Before beginning installation, ensure your door is compatible and measure the existing mortise dimensions. This model is designed for a double tongue lock configuration. The lock supports both left and right door opening directions.



Image 5.1: Overview of the smart lock, including a diagram of the mortise dimensions in millimeters, and indications of Tuya, Smartlife, Amazon Alexa, and Google Assistant compatibility.

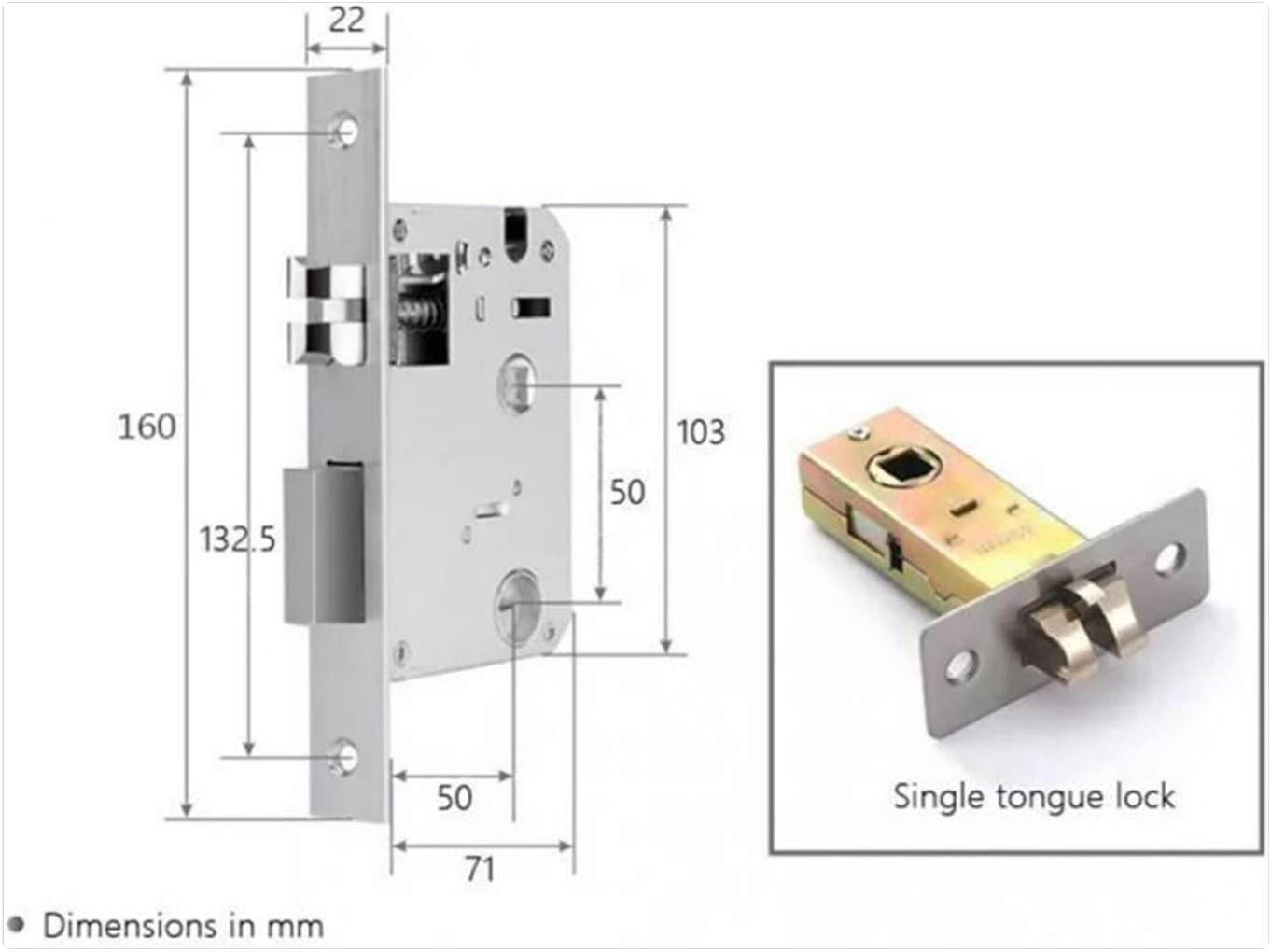

Image 5.2: Detailed diagram illustrating the dimensions of the mortise lock in millimeters, crucial for proper door preparation and installation.

1. **Prepare the Door:** Ensure the door frame and door are properly prepared according to the mortise dimensions shown in Image 5.1 and 5.2.
2. **Install Mortise Lock:** Insert the mortise lock into the door edge and secure it with screws.
3. **Install Spindle and Pillars:** Insert the spindle through the mortise and attach the mounting pillars.
4. **Attach Front Panel:** Connect the front panel (with keypad and fingerprint sensor) to the door, ensuring cables pass through correctly.
5. **Attach Rear Panel:** Connect the rear panel, ensuring cables are properly connected and the anti-lock switch is functional. Secure with screws.
6. **Install Batteries:** Open the battery compartment on the rear panel and insert 4 x No. 7 dry batteries, observing polarity.
7. **Initial Setup:**
    - **Administrator Registration:** Follow the voice prompts to register the first administrator fingerprint or password. This is crucial for managing other users.
    - **App Connection:** Download the Tuya Smart or Smart Life app. Follow the in-app instructions to add your device and connect it to your WiFi network.

6. Operating Instructions

The UJNIKM smart lock offers multiple convenient ways to unlock your door.



Image 6.1: The smart lock in operation, highlighting the keypad and indicating live voice operation tips and the option for a remote control module.

1. **Fingerprint Unlock:**
    - Place your registered finger on the fingerprint sensor.
    - The lock will verify and unlock if successful.
2. **Password Unlock:**
    - Enter your registered 6-8 digit password on the keypad.
    - Press '#' to confirm.
    - *Virtual Password:* To prevent onlookers from guessing your password, you can enter random digits before and after your actual password (e.g., XXX + Password + XXX).
3. **Smart Card Unlock:**
    - Place your registered smart card on the induction zone of the front panel.
    - The lock will verify and unlock.

4. **Mechanical Key Unlock:**
    - Insert the mechanical key into the hidden keyhole (usually located at the bottom of the front panel).
    - Turn the key to unlock the door. This method is primarily for emergencies.
5. **App Unlock (Tuya Smart/Smart Life):**
    - Open the Tuya Smart or Smart Life app on your smartphone.
    - Select your door lock device.
    - Use the in-app controls to remotely unlock the door.
    - The app also allows for generating temporary or timed passwords for guests.
6. **Voice Assistant Integration (Alexa/Google Home):**
    - Once connected to the Tuya/Smart Life app, link your account to Amazon Alexa or Google Home Assistant.
    - You can then use voice commands to check lock status or unlock (with a security PIN, if configured).
7. **Anti-Lock Function:**
    - On the rear panel, there is an anti-lock release switch.
    - Moving the switch to the "Up" position engages the electronic anti-lock, preventing outside access.
    - Moving it to the "Down" position releases the anti-lock.

7. Maintenance

- **Battery Replacement:** When the low voltage alarm sounds (4.5±0.2V), replace all four No. 7 dry batteries promptly. Do not mix old and new batteries or different types of batteries.
- **Emergency Power:** If batteries completely drain, you can use a portable power bank connected to the Android charging interface on the front panel to temporarily power the lock and gain entry.
- **Cleaning:** Wipe the lock's surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Fingerprint Sensor:** Keep the fingerprint sensor clean and dry for optimal performance.
- **Regular Checks:** Periodically check that all screws are tight and the lock operates smoothly.

8. Troubleshooting

- **Lock not responding:**
    - Check battery level. Replace batteries if low.
    - Ensure the lock is not in anti-lock mode from the inside.
    - Use the mechanical key for emergency access.
- **Fingerprint not recognized:**
    - Ensure your finger is clean and dry.
    - Try different angles or re-register your fingerprint if issues persist.
    - Ensure the fingerprint sensor is clean.
- **Password not working:**
    - Verify the correct password is being entered.
    - Ensure you are pressing '#' after the password.

- Try resetting the password via the app or administrator menu.

- **App connection issues:**
  - Ensure your home WiFi network is active and the signal is strong at the door.
  - Restart your router and the lock (by removing and reinserting batteries).
  - Re-pair the lock with the Tuya Smart/Smart Life app.
- **Low battery alarm persists after replacement:**
  - Ensure new batteries are correctly inserted and are of good quality.
  - Check for any corrosion in the battery compartment.

9. Warranty and Support

For warranty information, please refer to the terms and conditions provided at the point of purchase or contact your retailer. For technical support, troubleshooting assistance, or inquiries regarding your UJNIKM Tuya WiFi Electronic Door Lock, please contact UJNIKM customer service through the contact information provided with your product or on the official UJNIKM website.
You may also find additional resources and FAQs on the Tuya Smart or Smart Life app support pages.

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