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## IKOED TY140

# User Manual for IKOED Fingerprint Door Lock

Model: TY140

## 1. Introduction

The IKOED TY140 Fingerprint Door Lock offers a secure and convenient keyless entry solution for your home, bedroom, office, apartment, or Airbnb. This smart door knob integrates multiple access methods including fingerprint recognition, smartphone app control, and traditional mechanical keys, providing flexibility and peace of mind. This manual provides detailed instructions for installation, operation, and maintenance of your new smart lock.




Figure 1: IKOED TY140 Fingerprint Door Lock with accompanying smartphone app interface and mechanical keys.

## 2. Product Specifications

| Feature | Description |
|---|---|
| Brand | IKOED |
| Model Name | TY140Black |
| Lock Type | Biometric |
| Material | Zinc |
| Dimensions (L x W x H) | 10 x 7 x 7 inches |

| | |
|---|---|
| Item Weight | 1.65 pounds |
| Special Features | Fingerprint, Lockable, Adjustable |
| Connectivity Protocol | Wi-Fi |
| Control Method | App, Hand Control, Mechanical knob |
| Fingerprint Recognition | 508 DPI sensor, 360° reading, >98% recognition rate within 0.5 seconds |
| Fingerprint Storage | Up to 100 sets |
| Door Thickness Compatibility | 1-3/8" (35mm) to 2-3/16" (55mm) |
| Adjustable Latch | 2-3/8" (60mm) or 2-3/4" (70mm) |

## 3. Installation Guide

The IKOED TY140 Fingerprint Door Lock is designed for easy installation on most standard single-cylinder US doors. A screwdriver is included for your convenience, and no extra drilling is typically required.

### 3.1 Before Installation

- Verify your door thickness is between 1-3/8" (35mm) and 2-3/16" (55mm).
- Ensure your latch backset is either 2-3/8" (60mm) or 2-3/4" (70mm). The latch is adjustable.
- Confirm the door's handing (left or right) to ensure correct lever orientation.




Figure 2: Door measurement guidelines for proper lock installation, including door thickness and adjustable latch backset.

### 3.2 Installation Steps

1. **Prepare the Door:** Remove any existing door hardware. Ensure the door bore hole and latch hole are clean and clear.
2. **Adjust Latch (if necessary):** If your door requires a 70mm backset, rotate the lock body of the latch to extend it to 70mm.
3. **Install Latch:** Insert the latch into the door edge, ensuring the bevel faces the door frame. Secure with screws.
4. **Prepare Lock Assembly:** Loosen the fixing screws on the back cover of the exterior handle and remove the back cover.
5. **Install Exterior Handle:** Insert the spindle through the latch and align the exterior handle with the door.
6. **Install Interior Handle:** Connect the interior handle to the exterior handle assembly, ensuring all wires are properly routed and not pinched. Secure with screws.
7. **Test Operation:** Before closing the door, test the mechanical key and the handle's movement to ensure smooth

operation.

Video 1: Detailed installation guide for the TY140 Fingerprint Door Lock, demonstrating each step from latch adjustment to final assembly.




Figure 3: Visual representation of replacing a traditional door knob with the IKOED smart lock, highlighting the ease of upgrade.

## 4. Operating Instructions

The IKOED TY140 offers multiple convenient ways to access your space.

### 4.1 Multiple Access Methods

- **Fingerprint Unlocking:** Place your registered fingerprint on the sensor for quick access. The 508 DPI sensor provides 360° recognition with a recognition rate exceeding 98% within 0.5 seconds.
- **Smart APP Control:** Use the dedicated smartphone application (Tuya Smart App) to unlock the door remotely, manage users, set access modes, and view access records.

- **Mechanical Key:** A traditional mechanical key is provided as a backup for emergency situations, such as battery exhaustion.




Figure 4: Overview of the three primary access methods: physical key, smartphone application, and fingerprint recognition.

## 4.2 Fingerprint Management

The lock supports storage of up to 100 sets of fingerprints. Refer to the Tuya Smart App instructions for adding or deleting user fingerprints. It is recommended to register multiple angles of each finger for improved recognition.




Figure 5: The advanced fingerprint sensor module, highlighting its 0.3-second recognition speed and 98% accuracy rate.

### 4.3 Smart APP Control (Tuya Smart App)

The Tuya Smart App provides comprehensive control over your IKOED fingerprint door lock. Download the app from your device's app store and follow the in-app instructions for pairing your lock.

- **APP Unlocking:** Unlock your door remotely from anywhere with an internet connection.
- **User Management:** Add or delete users, assign temporary access, and manage access permissions.
- **Access Mode Settings:** Configure settings such as auto-lock duration or passage mode (to keep the door unlocked for a period).
- **Silent Mode:** Enable silent mode to mute keypad sounds for quiet operation.
- **Access Records:** View a detailed log of all lock and unlock events.




Figure 6: The smartphone app interface displaying various control options for the smart door lock, including keyless entry and user management.

## 5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your IKOED Fingerprint Door Lock.

- **Cleaning:** Wipe the lock surface with a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the finish or electronic components.
- **Battery Replacement:** The lock will provide a low battery alert when power is at 10%. Replace batteries promptly to avoid being locked out. Use high-quality alkaline batteries.
- **Fingerprint Sensor Care:** Keep the fingerprint sensor clean and dry for accurate readings.

## 6. Troubleshooting

If you encounter issues with your IKOED Fingerprint Door Lock, refer to the following common troubleshooting tips:

- **Fingerprint Not Recognized:**
  - Ensure your finger is clean and dry.
  - Try different angles of your registered finger.
  - Re-register your fingerprint in the app, ensuring you capture various angles.
  - If your fingers are cold, try warming them slightly before scanning.
- **App Connectivity Issues:**
  - Ensure Bluetooth is enabled on your smartphone and you are within range of the lock.
  - Check your Wi-Fi connection if attempting remote unlock via a gateway (if applicable).
  - Restart the Tuya Smart App.
  - Check if the lock's batteries are low.
- **Handle Stuck Down (TY140 model):** Some users have reported the interior handle remaining in a downward position. If this occurs, ensure the installation is correct and all internal components are properly aligned. If the issue persists, contact customer support.
- **Lock Not Responding:** Replace the batteries immediately. Use the mechanical key for access if batteries are completely drained.

For persistent issues not resolved by these steps, please contact IKOED customer service.

## 7. Warranty and Support

IKOED provides a **12-month warranty** for the TY140 Fingerprint Door Lock, covering manufacturing defects and malfunctions under normal use. Additionally, lifetime free technical support is available to assist you with any questions or issues you may encounter.
For warranty claims or technical assistance, please contact IKOED customer service through the contact information provided with your purchase or on the official IKOED website. When contacting support, please have your product model (TY140) and purchase details ready.

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