

## Dioche DW80

# Dioche DW80 Fingerprint Smart Lock User Manual

Model: DW80 | Brand: Dioche

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, operation, and maintenance of your Dioche DW80 Fingerprint Smart Lock. Please read this manual thoroughly before installation and use to ensure proper function and security. Keep this manual for future reference.

### Key Features

- **Multiple Unlocking Methods:** Fingerprint, IC Card, Password, Mechanical Key, and Mobile App (Wi-Fi).
- **High-Performance Fingerprint Sensor:** 550 DPI biometric sensor for accurate and fast recognition.
- **Wi-Fi Remote Control:** Unlock remotely and view unlock history via the mobile application.
- **Virtual Password Function:** Enhance security by entering random digits before or after the correct password.
- **Low Battery Warning:** Visual and audible alerts for timely battery replacement.
- **Emergency Power & Key Access:** Micro USB port for emergency power and mechanical keys for backup access.

## 2. PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with installation.



Image: Dioche DW80 Smart Lock package contents. Includes the main lock unit (front and rear panels), mortise, two mechanical keys, two IC cards, and various screws and pins for installation.

- Front Panel Assembly (with handle and keypad)
- Rear Panel Assembly (with handle and battery compartment)
- Mortise Lock Body
- Strike Plate and Strike Box
- Mechanical Keys (2)
- IC Cards (2)
- Mounting Hardware (screws, spindles, etc.)
- Installation Template
- User Manual

### 3. SPECIFICATIONS

Feature	Detail
Brand	Dioche
Model Name	DW80
Lock Type	Biometric
Material	Zinc Alloy
Color	Black
Special Features	Fingerprint, Smart Lock, Touchscreen, Wi-Fi
Connectivity Protocol	Wi-Fi
Control Method	Remote, Voice (via compatible smart home systems)

Power Source	4 x AAA Dry Batteries (not included)
Battery Life	Approximately 9+ months under normal use
Door Thickness Compatibility	38mm - 55mm (1-3/8" to 2")
Operating Temperature	Approximately -4°F to 140°F (-20°C to 60°C)
Item Weight	4.14 pounds

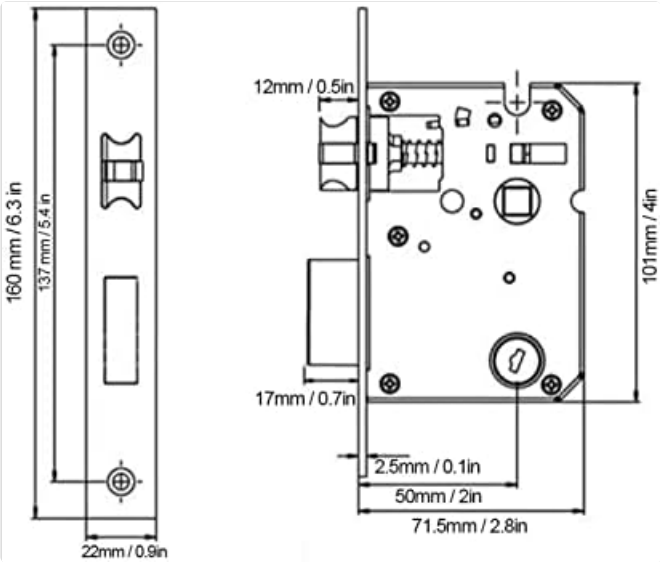


Image: Technical diagram illustrating the dimensions of the lock's mortise and faceplate, with measurements in millimeters and inches.

## 4. INSTALLATION GUIDE

Before installation, ensure your door meets the compatibility requirements (door thickness 38mm-55mm). Professional installation is recommended for optimal performance and security.

### Preparation

- Check Door Compatibility:** Confirm door thickness and backset (distance from door edge to center of door hole: 60mm or 70mm).
- Gather Tools:** You will need a screwdriver, drill, measuring tape, and pencil.
- Review Template:** Use the provided installation template to mark drilling points accurately.

### Installation Steps

- Install Mortise Lock:** Insert the mortise into the door edge and secure it with screws.
- Install Front Panel:** Route the cable through the door hole and attach the front panel, ensuring the spindle is correctly aligned.
- Install Rear Panel:** Connect the cable from the front panel to the rear panel. Secure the rear panel to the door using the provided screws.
- Install Batteries:** Open the battery compartment on the rear panel and insert 4 AAA batteries (ensure correct polarity).
- Test Operation:** After installation, test the mechanical key and ensure the handles operate smoothly.



Image: The Dioche DW80 Smart Lock, showcasing its sleek black design with a keypad on the front panel and a fingerprint sensor integrated into the handle.

## 5. INITIAL SETUP AND USER MANAGEMENT

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After installation, you need to set up the lock and register users for various unlocking methods.

### 5.1 Mobile App Connection (Tuya Smart)

The Dioche DW80 Smart Lock supports Wi-Fi connectivity via the Tuya Smart app for remote control and monitoring.

1. **Download App:** Scan the QR code or search for "Tuya Smart" in your app store [Download Tuya Smart App](#)
2. **Register/Log In:** Create an account or log in to the Tuya Smart app.
3. **Add Device:** Follow the in-app instructions to add your smart lock. Ensure your phone is connected to a 2.4GHz Wi-Fi network during pairing.

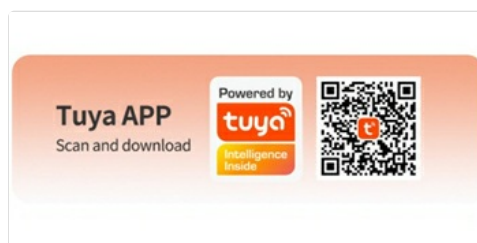


Image: QR code for quick download of the Tuya Smart mobile application, essential for Wi-Fi features.

### 5.2 Registering Fingerprints

1. Access the lock's programming mode (refer to the specific instructions in your app or the lock's voice prompts).
2. Place your finger on the fingerprint sensor multiple times as prompted, slightly shifting its position each time for comprehensive registration.
3. Confirm successful registration via voice prompt or app notification.

## 5.3 Setting Passwords

1. Enter programming mode.
2. Input your desired password (typically 6-8 digits) and confirm.
3. To use the virtual password feature, you can enter random digits before or after your actual password, then press '#' to confirm. This prevents others from guessing your code by observing finger movements.



Image: Demonstration of the virtual password feature, where a correct 6-digit password is embedded within a longer sequence of random numbers to deter observation.

## 5.4 Registering IC Cards

1. Enter programming mode.
2. Present the IC card to the designated sensing area on the lock.
3. The lock will confirm successful registration.

## 6. OPERATING THE SMART LOCK

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The Dioche DW80 offers multiple convenient ways to unlock your door.

### 6.1 Unlocking with Fingerprint

1. Place your registered finger on the fingerprint sensor located on the handle.
2. The lock will emit a confirmation sound/light, and the handle will engage.
3. Push down the handle to open the door.

### 6.2 Unlocking with Password

1. Touch the keypad to activate it.
2. Enter your registered password (or virtual password sequence).

3. Press '#' to confirm. The lock will unlock if the password is correct.

### 6.3 Unlocking with IC Card

1. Present the registered IC card to the card reader area on the lock.
2. The lock will confirm and unlock.

### 6.4 Unlocking with Mechanical Key

1. Insert the mechanical key into the keyhole located on the front panel.
2. Turn the key to unlock the door.

### 6.5 Remote Unlocking via Mobile App

1. Open the Tuya Smart app on your smartphone.
2. Select your Dioche DW80 Smart Lock from the device list.
3. Tap the unlock button within the app. Confirm the remote opening when prompted.



Image: A smartphone screen showing the Tuya Smart app, indicating a successful remote unlock command sent to the smart handle lock via Wi-Fi.

# SMART HOME LIVING

✓ *FINGERPRINT*

✓ *IC CARD*

✓ *PASSWORD*

✓ *KEY*

✓ *MOBILE APP*



Image: An infographic highlighting the five primary unlocking methods: fingerprint, IC card, password, mechanical key, and mobile app, with Wi-Fi and Tuya integration.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your smart lock.

### 7.1 Battery Replacement

The lock will provide a low battery warning (red light flashing, audible beep) when the batteries are running low. Replace all four AAA batteries promptly.

1. Open the battery compartment cover on the rear panel.
2. Remove the old batteries.
3. Insert four new AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover.

*Note: If you miss all low battery warnings, the lock can be temporarily powered via the Micro USB port for emergency access, or unlocked with a mechanical key.*

### 7.2 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 and keypad clean and free of debris for accurate recognition.

## 8. TROUBLESHOOTING

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Refer to this section for solutions to common issues.

Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace batteries. Use emergency Micro USB power or mechanical key.
Fingerprint not recognized.	Finger not placed correctly; sensor dirty; fingerprint not registered.	Ensure finger covers the sensor completely. Clean the sensor. Re-register fingerprint, ensuring slight shifts during registration.
Password not working.	Incorrect password entered; keypad not active.	Ensure correct password is entered. Touch keypad to activate. Try virtual password method.
IC Card not recognized.	Card not registered; card damaged.	Register the IC card. Try a different registered card.
Cannot connect to Wi-Fi/App.	Incorrect Wi-Fi password; 5GHz Wi-Fi network; poor signal; lock not in pairing mode.	Ensure 2.4GHz Wi-Fi. Check Wi-Fi password. Move closer to router. Re-enter pairing mode on the lock.

## 9. WARRANTY AND SUPPORT

Dioche products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase documentation or visit the official Dioche website. Please have your model number (DW80) and purchase date ready when contacting support.