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We Technology KL1-F

We Technology KL1-F Smart Door Lock User Manual

Model: KL1-F

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your We Technology KL1-F Smart Door Lock. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- Do not attempt to disassemble or repair the lock yourself. Contact customer support for assistance.
- Use only the specified battery type and ensure correct polarity during installation.
- Keep mechanical keys in a safe place outside your home.
- Protect your passcode from unauthorized access. Avoid using easily guessable combinations.
- Ensure the door frame and door are structurally sound before installation.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Smart Door Lock (Front and Rear Panels)
- 2 x Mechanical Keys
- 2 x IC Cards
- Lock Body (Mortise)
- Cylinder
- Mounting Screws
- USB Cable (for emergency power)
- User Manual
- Battery (and an extra battery if included in your purchase)



Image: Contents of the We Technology KL1-F Smart Door Lock package, including the lock, keys, IC cards, lock body, screws, USB cable, and battery.

4. PRODUCT OVERVIEW

The We Technology KL1-F Smart Door Lock offers multiple access methods and integrated security features. Familiarize yourself with the main components:

- **Exterior Panel:** Features 3D face recognition sensors, keypad, fingerprint sensor, palm vein sensor, HD camera, and handle.
- **Interior Panel:** Contains the battery compartment, manual unlock knob, and handle.
- **Emergency USB-C Port:** Located on the exterior panel for temporary power in case of battery depletion.
- **Mechanical Keyhole:** Discreetly located for traditional key access.



Image: Front and back view of the We Technology KL1-F Smart Door Lock, showing the exterior panel with keypad and camera, and the interior panel with the handle.

5. SPECIFICATIONS

Feature	Detail
Model Name	KL1-F
Brand	We Technology
Lock Type	Biometric, Combination Lock, Deadbolt
Unlocking Methods	3D Face Recognition, Fingerprint, Palm Vein, Passcode, IC Card, Mechanical Key, App
Connectivity	2.4GHz WiFi, Bluetooth
Camera	1080P HD, 160° Wide-angle, IR Night Vision
Voice Control	Amazon Alexa, Google Assistant
App Compatibility	Tuya, Smart Life (iOS, Android)
Material	Aluminum Alloy
Weather Resistance	IP65 Waterproof and Dustproof
Battery Life	Up to 12 months (2500mAh battery)
Door Thickness	45mm – 90mm (1.77 – 3.54 inches)
Dimensions (L x W x H)	6 x 2 x 2 inches (approximate)
Weight	2.49 pounds

6. SETUP AND INSTALLATION

6.1 Door Compatibility Check

Before installation, ensure your door meets the following criteria:

- **Door Thickness:** 45mm to 90mm (1.77 to 3.54 inches).
- **Latch Hole:** Compatible with chiseled or non-chiseled latch holes.
- **Lock Type:** Designed for single cylinder deadbolts. Not compatible with mortise, integrated, or rim cylinder locks.



Image: Diagram illustrating door dimensions and lock measurements for compatibility, including door thickness and backset.



Image: Visual guide showing compatible (chiseled, not chiseled, single cylinder) and incompatible (mortise, integrated, rim cylinder) door types.

6.2 Installation Steps

The KL1-F Smart Door Lock is designed for DIY installation without complex wiring or drilling for most standard doors. Refer to the included detailed step-by-step English manual for precise instructions. A general overview includes:

1. Prepare the door by ensuring existing holes are clean and correctly sized.
2. Install the lock body (mortise) into the door edge.

3. Mount the exterior panel, ensuring cables are routed correctly.
4. Connect the cables to the interior panel.
5. Install the interior panel and secure it with screws.
6. Insert the battery into the interior panel.
7. Test the lock's functionality with a mechanical key before closing the door.

6.3 Battery Installation

The lock operates on a rechargeable 2500mAh battery. To install:

1. Remove the battery cover on the interior panel.
2. Insert the battery, ensuring correct polarity.
3. Replace the battery cover.

7. OPERATING INSTRUCTIONS

The KL1-F Smart Door Lock offers multiple convenient and secure unlocking methods:

7.1 Unlocking Methods

- **3D Face Recognition:** Stand in front of the lock; the 3D facial scanning system will recognize your face and unlock the door.
- **Fingerprint:** Place your registered finger on the fingerprint sensor. The door will unlock in approximately 0.5 seconds.
- **Palm Vein Recognition:** Place your registered palm over the palm vein sensor for advanced biometric access.
- **Passcode:** Enter your registered passcode on the keypad. The lock supports anti-peeping passcodes, allowing you to enter random digits before and after your actual code for enhanced security.
- **IC Card:** Tap your registered IC card on the designated area of the exterior panel.
- **Mechanical Key:** Use the provided mechanical key as a traditional backup unlocking method.
- **Tuya/Smart Life App:** Use the app on your smartphone to remotely lock or unlock the door.
- **Voice Control:** Integrate with Amazon Alexa or Google Assistant for hands-free unlocking (requires proper setup in the app).

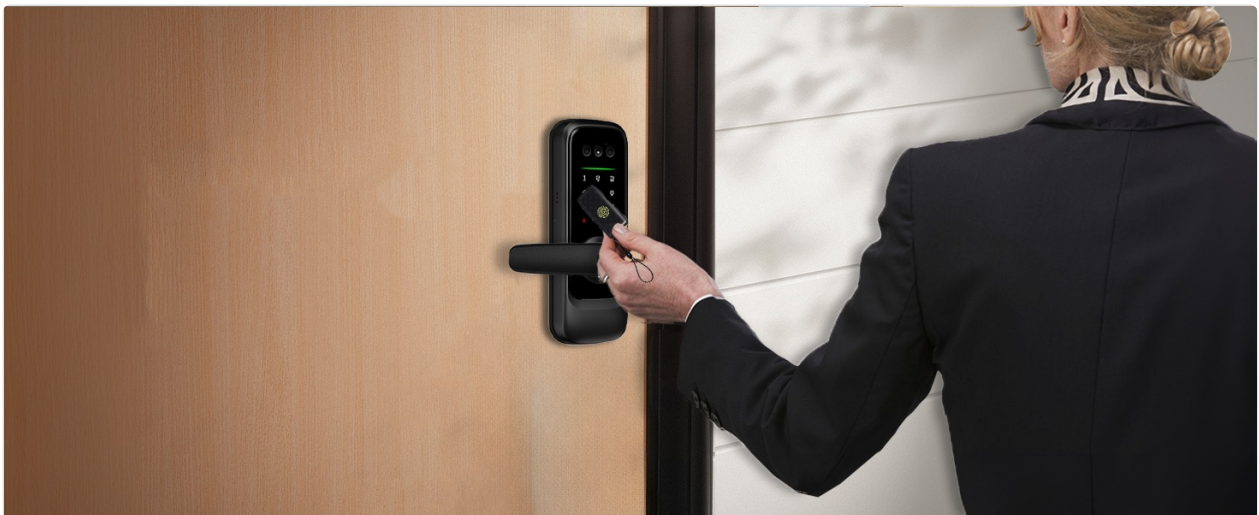


Image: Icons representing the multiple unlocking methods: App Unlock, Fingerprint, Card Unlock, Password, Key Unlock, and Face Recognition.



Image: A person entering a passcode on the lock's keypad, demonstrating the anti-peeping feature with random digits before and after the actual code.

7.2 Auto-Lock Feature

The lock is equipped with an auto-lock function that automatically secures the door after a set period (typically 10-99 seconds) once it closes. This feature enhances security by ensuring your door is always locked.



Image: A visual representation of the auto-lock feature, showing the lock engaging automatically after a set time.

7.3 Video Doorbell and Intercom

The integrated 1080P HD camera with a 160° wide-angle lens and IR night vision allows you to:

- See, hear, and speak to visitors from anywhere via the Tuya/Smart Life app.
- Receive instant notifications on your smartphone when someone is at your door.
- Monitor your doorstep day and night.



Image: A smartphone screen displaying a live feed from the smart lock's camera, showing a delivery person at the door.

7.4 Smart App Control (Tuya/Smart Life)

Connect your lock to the Tuya or Smart Life app via 2.4GHz WiFi for advanced control and monitoring:

- Remotely lock/unlock your door from anywhere.
- Generate temporary or permanent e-keys for guests or service providers.
- Track access history in real-time.
- Manage multiple users and their access permissions.



Image: A hand holding a smartphone displaying the Tuya Smart Life app interface, showing options to lock/unlock and manage settings for the smart door lock.



Image: A person receiving a package, while a smartphone screen shows the app interface for generating a temporary unlock code for visitors or deliveries.



Image: A couple with luggage, and a smartphone screen displaying the app's feature to schedule access codes for specific dates, ideal for guests or rentals.

8. MAINTENANCE

8.1 Battery Management

The 2500mAh battery provides up to 12 months of operation on a single charge. When the battery is low, the lock will provide a warning. Recharge the battery using a standard USB-C cable.

Latch Hole



Chiseled



Not Chiseled

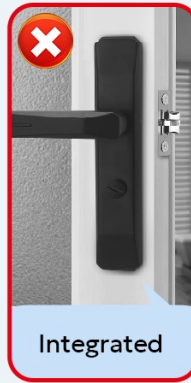


Single Cylinder

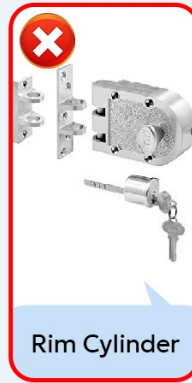
Door Compatibility



Mortise



Integrated



Rim Cylinder

Image: The smart lock connected to a power bank via its USB-C emergency charging port, illustrating how to provide temporary power.

8.2 Weather Resistance

The KL1-F Smart Door Lock is rated IP65 waterproof and dustproof, making it suitable for outdoor use in various weather conditions. Regularly wipe the exterior with a soft, damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive cleaners.

9. TROUBLESHOOTING

- **Lock not responding:** Check battery level. If low, use the USB-C emergency power port or replace the battery.
- **Fingerprint/Face recognition failure:** Ensure the sensor/camera is clean and your finger/face is positioned correctly. Re-register biometrics if issues persist.
- **App connectivity issues:** Ensure your home WiFi network (2.4GHz) is stable and the lock is within range. Restart your router and the lock if necessary.
- **Keypad not responding:** Ensure the keypad is clean. If unresponsive, try using another unlocking method or the mechanical key.
- **Door not locking/unlocking properly:** Check for any obstructions in the door frame or latch. Ensure the lock body is correctly aligned.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact We Technology customer support directly. For technical assistance or further inquiries, please visit the official We Technology website or contact their customer service channels.