**KENRONE KR-S80**

# KENRONE Smart Electronic Cabinet Lock User Manual

Model: KR-S80

## Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your KENRONE Smart Electronic Cabinet Lock (Model KR-S80). This biometric fingerprint lock offers a keyless solution for securing various furniture items such as gym lockers, school lockers, sauna room lockers, wardrobes, drawers, and document cabinets. Please read this manual thoroughly before using the product to ensure proper function and longevity.

## Product Features

- **Biometric Fingerprint Recognition:** Advanced semiconductor sensor for quick and secure unlocking in approximately 0.1 seconds.
- **High Fingerprint Capacity:** Stores up to 100 different fingerprints for multiple users.
- **Multiple Working Modes:** Supports Public mode (temporary storage), Private mode (personal use), and Limited Public mode (e.g., for sauna/gym lockers).
- **Flexible Power Supply:** Operates on 4 x 1.5V AAA batteries with long standby life.
- **Emergency Power Solutions:** Features a low voltage alarm (below 4.5V) and supports external USB power supply for emergency unlocking.
- **Versatile Application:** Suitable for various cabinet types including push-pull, drawers, and sliding cabinet doors.
- **Durable Construction:** Made from Acrylonitrile Butadiene Styrene (ABS) with a polished finish.

## Package Contents

Please check the package contents upon opening to ensure all components are present:

- 1 x KENRONE Smart Electronic Cabinet Lock (Main Unit)
- 1 x Lock Catch/Hook
- 1 x Set of Mounting Screws
- 1 x USB Emergency Power Cable (if included in your model)
- 1 x User Manual (this document)



*Image: Overview of the KENRONE Smart Electronic Cabinet Lock components, showing the main lock body, the fingerprint sensor panel, and the connecting wires.*

## Product Dimensions

Refer to the diagram below for the precise dimensions of the KENRONE Smart Electronic Cabinet Lock components:

# PRODUCT SIZE

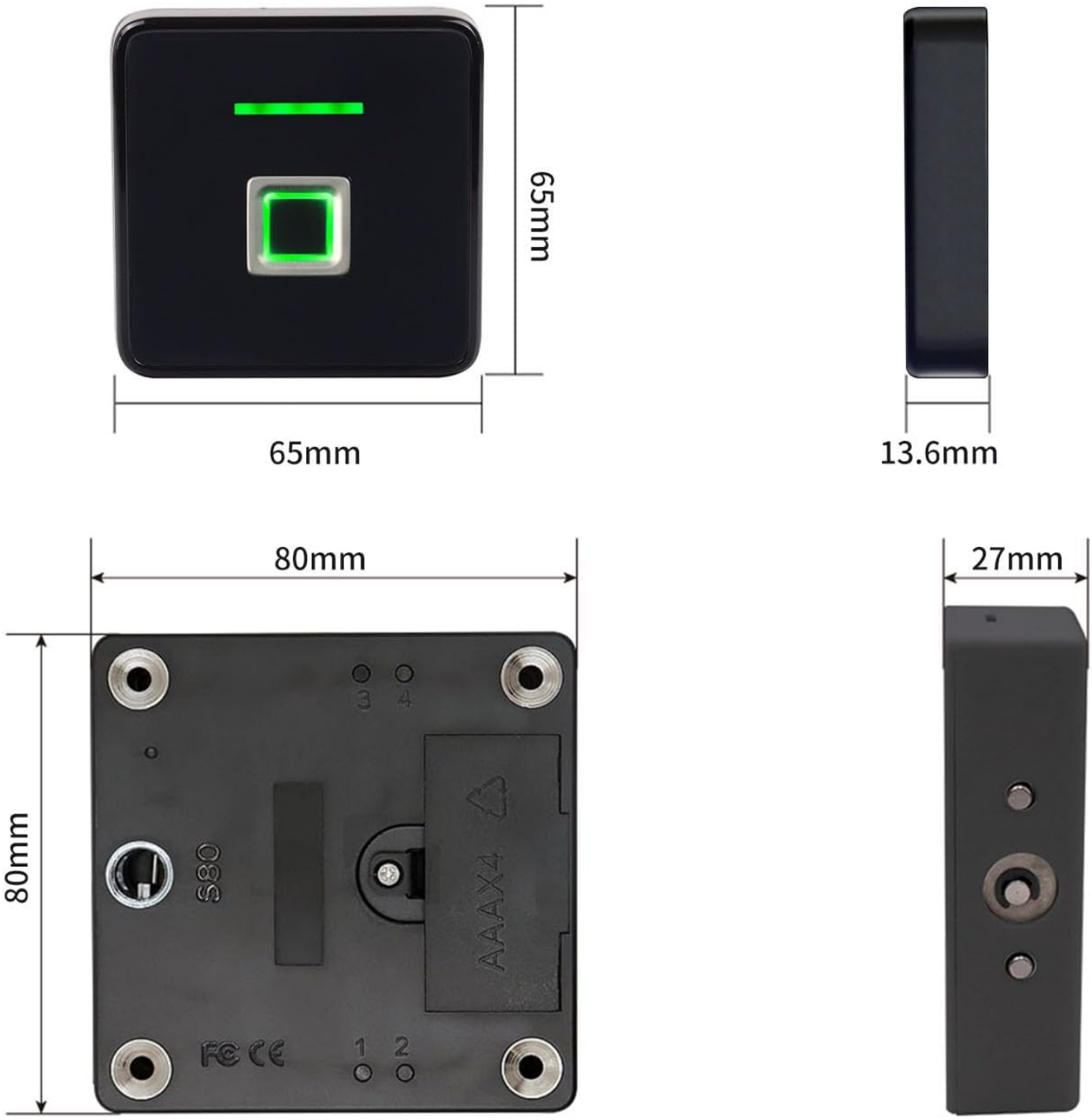



*Image: Detailed product size diagram, illustrating the measurements of both the fingerprint reader panel and the main lock mechanism.*

- **Fingerprint Panel:** Approximately 65mm x 65mm x 13.6mm
- **Main Lock Body:** Approximately 80mm x 80mm x 27mm

## Setup and Installation

Proper installation is crucial for the lock's performance. Ensure the installation surface is clean and stable.

### 1. Prepare the Installation Area

- Identify the desired location on your cabinet or drawer.
- Ensure there is sufficient space for both the fingerprint panel and the main lock body, considering the thickness of the cabinet material.
- The lock is suitable for various door types: push-pull, drawers, and sliding cabinet doors.

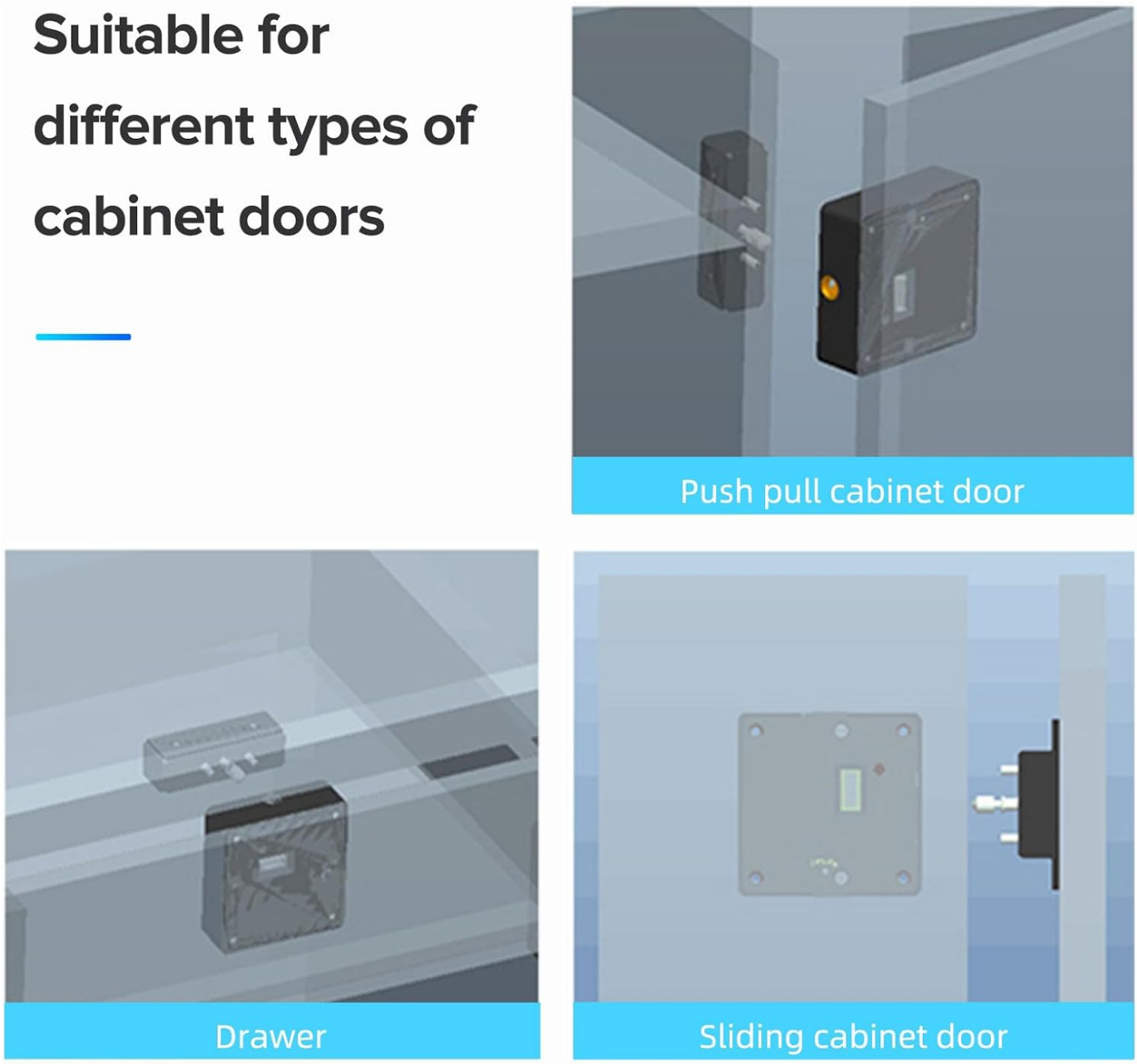



*Image: Illustrations demonstrating the compatibility of the lock with various cabinet and drawer types.*

### 2. Install Batteries

- Locate the battery compartment on the main lock body.
- Insert 4 x 1.5V AAA batteries, ensuring correct polarity.
- Close the battery compartment securely.

### 3. Mount the Fingerprint Panel

- Determine the optimal position for the fingerprint panel on the exterior of your cabinet.
- Use the provided screws to securely attach the panel. Ensure the connecting cable can reach the main lock body.

### 4. Mount the Main Lock Body and Lock Catch

- Position the main lock body on the interior of the cabinet, aligning it with the fingerprint panel and the intended

locking mechanism.

- Connect the cable from the fingerprint panel to the main lock body.
- Secure the main lock body using the provided screws.
- Install the lock catch/hook on the cabinet frame or door, ensuring it aligns perfectly with the lock bolt when the cabinet is closed.

## Operating Instructions

### 1. Initial Setup and Administrator Fingerprint Registration

- Upon first power-up, the lock is in factory default mode.
- To register the first administrator fingerprint, press and hold the fingerprint sensor until the indicator light changes (e.g., blue light flashes).
- Place your finger on the sensor. Lift and place your finger multiple times (typically 5-10 times) from different angles until the registration is successful (e.g., green light confirms).
- The first registered fingerprint is automatically designated as the administrator.

### 2. Adding User Fingerprints

- Only the administrator can add new user fingerprints.
- Place the administrator's finger on the sensor to unlock the device.
- Immediately after unlocking, press and hold the sensor again until the indicator light prompts for new fingerprint registration.
- Have the new user place their finger on the sensor, repeating the process (5-10 times) until successful.
- The lock can store up to 100 different fingerprints.




*Image: Visual representation of the fast fingerprint unlocking process and the capacity to store multiple fingerprints.*

### 3. Deleting Fingerprints (Resetting)

- To delete all registered fingerprints and reset the lock to factory settings, place the administrator's finger on the sensor and hold it for approximately 10-15 seconds.
- The indicator light will change (e.g., flash red) to confirm deletion. All fingerprints will be erased.
- You will then need to re-register an administrator fingerprint as per step 1.

### 4. Unlocking the Lock

- Place a registered finger on the fingerprint sensor.
- The lock will unlock automatically if the fingerprint is recognized (indicated by a green light and an audible click).
- If the fingerprint is not recognized, the indicator light will show an error (e.g., red light).

### 5. Locking the Lock

- The lock typically locks automatically after a short delay once the cabinet door is closed.

- Ensure the cabinet door is fully closed for the lock to engage properly.

## 6. Working Modes

The KENRONE lock supports different working modes for various applications:




*Image: Diagram explaining the three operational modes of the lock: Public, Private, and Limited Public, with examples of their use.*

- **Public Mode:** Designed for temporary storage in public places. A new fingerprint can unlock the lock after it has been locked by another fingerprint, effectively clearing the previous user's access.
- **Private Mode:** Ideal for private use in homes or offices. Only registered fingerprints can unlock the device. This is the default mode after initial setup.
- **Limited Public Mode:** Can be used for specific scenarios like sauna or gym lockers, where access might be temporary but more controlled than standard public mode. (Specific setup for this mode may require consulting the full product manual or manufacturer support).

*Note: Switching between modes typically involves specific button presses or administrator actions. Refer to the detailed instructions provided with your product or contact support for mode configuration.*

## Power Supply and Emergency Solutions

### Regular Power Supply

- The lock is powered by 4 x 1.5V AAA batteries.
- These batteries provide a long standby life.

### Low Voltage Alarm

- When the battery level drops below 4.5V, the lock will issue a low voltage alarm.
- After unlocking, the lock indicator will glow blue and an audible alarm will sound, signaling that batteries need replacement soon.




*Image: Illustration of the low voltage alarm feature, showing the lock's indicator light turning blue when battery power is low.*

### Emergency Power Supply

- If the locker lock runs out of power completely, you can use the USB port for emergency power supply.
- Connect a standard USB power source (e.g., power bank, USB charger) to the emergency USB port on the lock.

- This will provide temporary power to unlock the cabinet. Replace the internal AAA batteries immediately after gaining access.




*Image: Diagram illustrating both the regular AAA battery power supply and the emergency USB power supply option for the lock.*

## Maintenance

- **Cleaning:** Wipe the fingerprint sensor and lock body with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** Replace all 4 AAA batteries when the low voltage alarm activates. Do not mix old and new batteries or different types of batteries.
- **Environmental Conditions:** Avoid exposing the lock to extreme temperatures, high humidity, or direct water contact.
- **Fingerprint Sensor Care:** Ensure your finger is clean and dry when using the sensor for optimal recognition.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Lock does not respond. | Dead batteries. | Replace batteries or use emergency USB power. |
| Fingerprint not recognized. | Finger is dirty, wet, or improperly placed; fingerprint not registered; sensor dirty. | Ensure finger is clean and dry, place firmly on sensor; try different angles; re-register fingerprint; clean sensor. |
| Lock does not lock automatically. | Cabinet door not fully closed; lock mechanism obstructed. | Ensure door is fully closed and aligned; check for obstructions around the lock bolt and catch. |
| Cannot register new fingerprints. | Not using administrator fingerprint; memory full (100 fingerprints reached). | Ensure administrator fingerprint is used; consider deleting some existing fingerprints if capacity is reached. |
| Low voltage alarm constantly on. | Batteries are low. | Replace all 4 AAA batteries immediately. |

## Specifications

| Feature | Detail |
|---|---|
| Brand | KENRONE |
| Model Number | KR-S80 (Size), KR-G Panel (Item model number) |
| Lock Type | Biometric Fingerprint Lock |
| Material | Acrylonitrile Butadiene Styrene (ABS) |
| Colour | Black |
| Finish | Polished |
| Power Supply | 4 x 1.5V AAA Batteries |
| Emergency Power | USB Port (5V DC) |
| Low Voltage Alarm | Below 4.5V |
| Fingerprint Capacity | Up to 100 fingerprints |
| Unlocking Speed | Approx. 0.1 seconds |
| Item Weight | 798 g (approx.) |
| Parcel Dimensions | 15 x 10 x 8 cm (approx.) |

## Warranty and Support

KENRONE products are manufactured with high-quality materials and undergo strict quality control. For specific warranty information, including duration and coverage, please refer to the warranty card included with your product or visit the official KENRONE website.

If you encounter any issues or have questions regarding your Smart Electronic Cabinet Lock, please contact KENRONE

customer support. Provide your product model number (KR-S80) and a detailed description of the issue for faster assistance.

**KENRONE Customer Support:**

- *Please refer to the contact information provided on the product packaging or the official KENRONE website for the most up-to-date support channels.*

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## Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question