KENRONE KR-S80

KENRONE KR-S80 Smart Biometric Fingerprint Cabinet Lock User Manual

Model: KR-S80

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your KENRONE KR-S80 Smart Biometric Fingerprint Cabinet Lock. Please read this manual thoroughly before use to ensure proper functionality and safety.
The KENRONE KR-S80 is a keyless biometric fingerprint lock designed for various furniture types, offering enhanced security and convenient access.

2. Product Overview

2.1 Package Contents

- Fingerprint Panel
- Lock Body
- Lock Catch/Hook
- Screws
- User Manual

2.2 Key Features

- **Biometric Fingerprint Recognition:** Fast unlocking in approximately 0.1 seconds.
- **User Capacity:** Stores 1 administrator fingerprint and up to 99 user fingerprints.
- **Low Power Alarm:** Alerts when battery voltage drops below 4.5V.
- **USB Emergency Charging:** Provides temporary power if batteries are depleted.
- **Three Working Modes:** Public, Private, and Limited Public modes for various applications.

- **Durable Construction:** Made from Acrylic, Acrylonitrile Butadiene Styrene (ABS), and Zinc.



Image: Main components of the KENRONE KR-S80 Smart Biometric Fingerprint Cabinet Lock, including the fingerprint panel, lock body, and lock catch.

3. Setup and Installation

3.1 Battery Installation

1. Locate the battery compartment on the lock body.
2. Insert 4 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.



Image: Illustration of regular power supply using 4 AAA batteries and the USB port for emergency power supply.

3.2 Installation Steps

The KR-S80 model is designed for specific cabinet types. Ensure your cabinet's thickness is suitable for installation. Refer to the diagram below for different lock body options and their compatibility.



Image: Four different rear locking body options (KR-S61G, KR-S80G, KR-S90G, KR-S123G) to accommodate various cabinet designs. The KR-S80G is the specific model for this manual.

1. Determine the optimal placement for the fingerprint panel and the lock body on your cabinet or drawer.
2. Mark the drilling points for the screws.
3. Drill pilot holes as needed.
4. Attach the fingerprint panel to the exterior of the cabinet using the provided screws.
5. Connect the cable from the fingerprint panel to the lock body.
6. Mount the lock body to the interior of the cabinet, aligning it with the fingerprint panel.
7. Install the lock catch/hook on the cabinet frame or door, ensuring it aligns with the lock body mechanism.
8. Test the lock's functionality before securing all screws tightly.

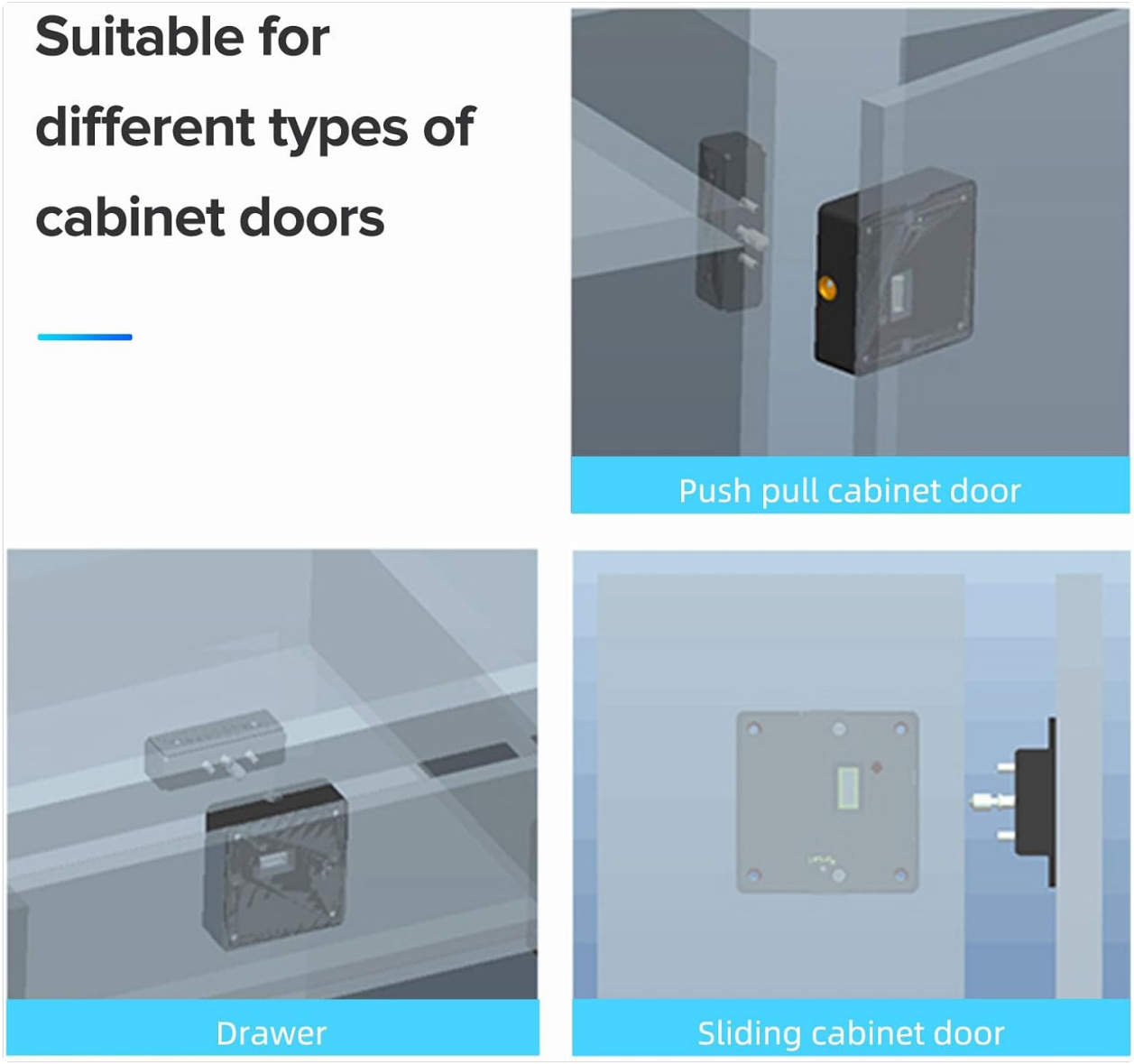


Image: Visual guide demonstrating how the lock can be installed on different types of cabinet doors, including push-pull, drawers, and sliding doors.

3.3 Fingerprint Registration

The lock supports one administrator fingerprint and up to 99 user fingerprints.

3.3.1 Registering Administrator Fingerprint (First Fingerprint)

1. Press and hold the fingerprint sensor until the blue light flashes.
2. Place your finger on the sensor. The light will flash green.
3. Lift and place your finger repeatedly (approximately 5-10 times) from different angles until the light turns solid green, indicating successful registration. This fingerprint is now the administrator.

3.3.2 Registering User Fingerprints

1. Wake the lock by touching the sensor.
2. Place the administrator's finger on the sensor to unlock.
3. While the lock is unlocked (or within a few seconds after unlocking), press and hold the sensor until the blue light flashes.
4. Place the new user's finger on the sensor. The light will flash green.
5. Lift and place the new user's finger repeatedly (approximately 5-10 times) from different angles until the light turns solid green.

6. Repeat for additional user fingerprints.

3.3.3 Deleting All Fingerprints (Factory Reset)

1. Wake the lock by touching the sensor.
2. Place the administrator's finger on the sensor to unlock.
3. While the lock is unlocked, press and hold the sensor for approximately 10 seconds until the red light flashes rapidly, then release.
4. All registered fingerprints will be deleted. The lock will revert to factory settings, requiring a new administrator fingerprint registration.

4. Operating Instructions

4.1 Unlocking

To unlock, simply place a registered finger on the fingerprint sensor. The lock will unlock in approximately 0.1 seconds, indicated by a green light and an audible click.



Image: Demonstrates the quick unlocking process using a semiconductor fingerprint sensor, highlighting the 0.1-second unlock time and capacity for 100 fingerprints.

4.2 Locking

The lock will automatically re-lock after a few seconds once the cabinet door/drawer is closed, or after a set time depending on the working mode.

4.3 Working Modes

The lock supports three working modes: Public, Private, and Limited Public. The default mode is typically Private. Consult the manufacturer's specific instructions for changing modes, as this often involves a sequence of administrator fingerprint presses.

- **Private Mode:** Ideal for personal use (home, office). The lock remains locked until a registered fingerprint unlocks it.
- **Public Mode:** Suitable for temporary storage in public places. The lock can be opened by any fingerprint after it has been locked by a fingerprint. Once opened, it remains unlocked until a new fingerprint locks it.
- **Limited Public Mode:** Used for specific scenarios like gym lockers. A fingerprint locks it, and the same fingerprint unlocks it once. After unlocking, it becomes available for another user.



Image: Explains the three working modes: Public mode for temporary storage, Private mode for personal spaces, and Limited Public mode for shared lockers like in gyms.

5. Maintenance

5.1 Battery Replacement

The lock is powered by 4 AAA batteries. When the battery voltage drops below 4.5V, the blue light will flash and the lock will beep 8 times continuously after each unlock, indicating that batteries need replacement. Replace all 4 AAA batteries promptly to ensure continuous operation.

5.2 Emergency Power Supply

If the batteries are completely depleted and the lock cannot be opened, connect a USB power source (e.g., power bank, USB charger) to the Micro USB port on the fingerprint panel for emergency power. This will allow you to unlock the cabinet and replace the internal batteries.



Image: Depicts the low voltage alarm feature, where the lock indicator glows blue and an alarm sounds when the battery level is below 4.5V.

5.3 Cleaning

Wipe the fingerprint sensor and lock surfaces with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.

6. Troubleshooting

Problem	Possible Cause	Solution
Lock does not respond.	Batteries are dead or incorrectly installed.	Check battery polarity. Replace batteries. Use USB emergency power if needed.
Fingerprint not recognized.	Finger is wet, dirty, or improperly placed. Fingerprint not registered.	Ensure finger is clean and dry. Place finger firmly and completely on the sensor. Re-register fingerprint if necessary.
Low power alarm sounds frequently.	Batteries are low.	Replace all 4 AAA batteries.
Cannot register new fingerprints.	Not using administrator fingerprint to initiate registration. Memory full (unlikely with 99 user capacity).	Ensure the administrator fingerprint is used to start the registration process.
Lock does not engage/disengage properly.	Misalignment of lock body and catch. Obstruction.	Check alignment of lock components. Remove any obstructions. Re-adjust installation if necessary.

7. Specifications

Feature	Detail
Model	KR-S80
Brand	KENRONE
Lock Type	Biometric, Cabinet Lock, Drawer Lock, Locker Lock
Material	Acrylic, Acrylonitrile Butadiene Styrene (ABS), Zinc
Fingerprint Capacity	1 Administrator, 99 Users
Unlocking Speed	Approximately 0.1 seconds
Power Supply	4 x AAA Batteries
Standby Life	Up to 12 months
Low Power Alarm	Activates when voltage is below 4.5V
Emergency Power	Micro USB Port
Working Modes	Private, Public, Limited Public
Special Features	Attack Protection, Low Power Alarm, Three Working Modes
Recommended Uses	Cabinets, lockers, drawers, storage boxes, nightstands, office cabinets, closets, etc.

Feature	Detail
Connectivity Protocol	Wi-Fi (Note: This feature may vary by specific product variant or require additional components.)
Control Method	Touch

8. Warranty and Support

For warranty information, technical support, or any questions regarding your KENRONE KR-S80 Smart Biometric Fingerprint Cabinet Lock, please contact KENRONE customer service directly. Refer to the product packaging or the official KENRONE website for contact details.
Please retain your proof of purchase for warranty claims.

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