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› KENRONE Fingerprint Key Lock Box User Manual

KENRONE KR-KB161

KENRONE Fingerprint Key Lock Box User Manual

Model: KR-KB161

1. PRODUCT OVERVIEW

The KENRONE Fingerprint Key Lock Box is an advanced security solution designed for convenient and secure key storage and access. It offers multiple unlocking methods including fingerprint, password, and mobile application control, making it ideal for various applications such as home, office, and short-term rentals.

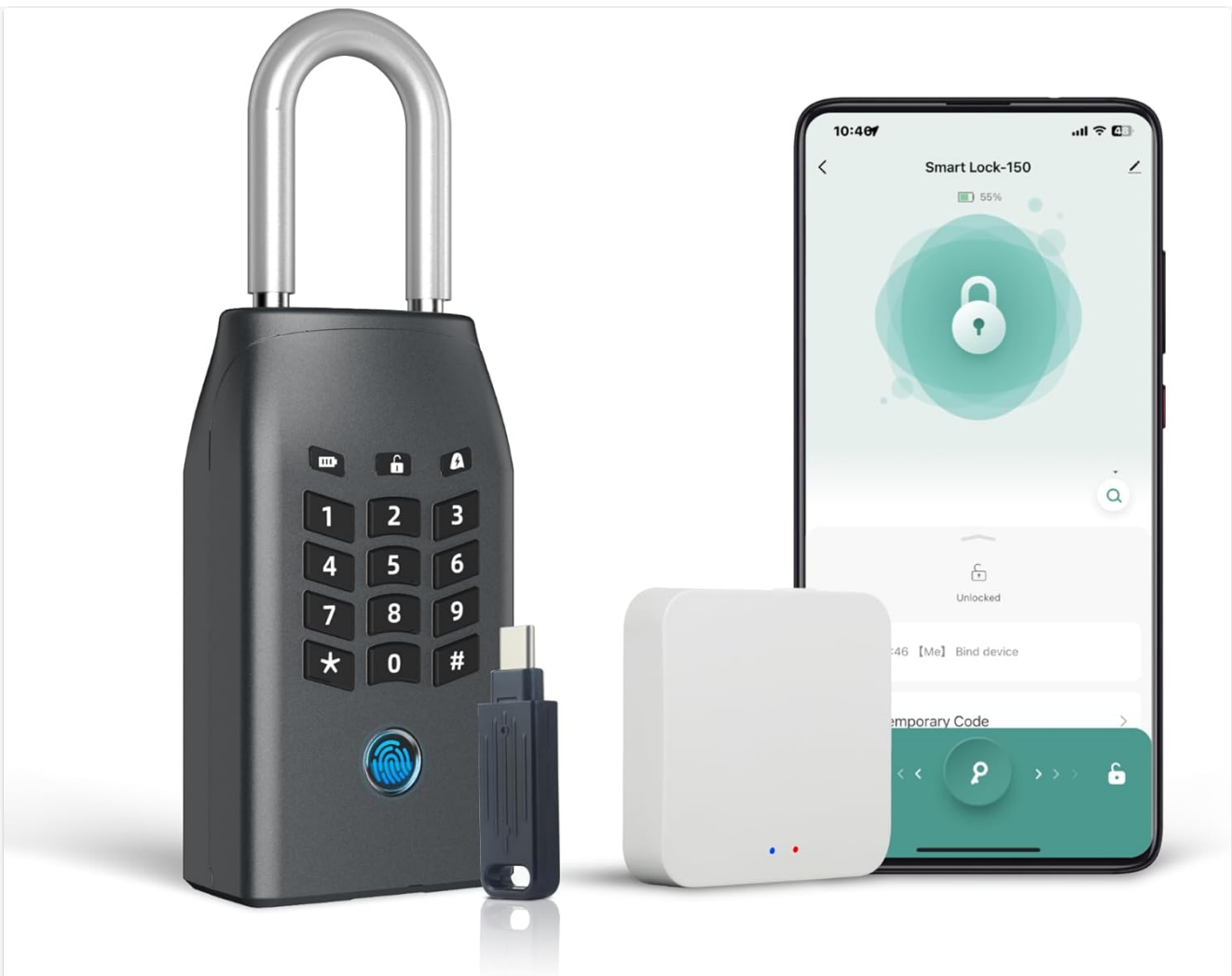


Image: The KENRONE Fingerprint Key Lock Box, showcasing its keypad, fingerprint sensor, and the accompanying mobile app interface with a small gateway device.

2. WHAT'S INCLUDED

Upon unboxing, please verify that all the following components are present:

- 1 x KENRONE Key Lock Box
- 1 x Electronic Key (for emergency unlocking)
- 1 x USB Charging Cable (Type-C)
- 1 x Instruction Manual (this document)

Products Contained



Image: All components included in the package: the key lock box, electronic key, USB charging cable, and the instruction manual box.

3. KEY FEATURES

- **Multiple Unlocking Methods:** Supports TUYA APP, password, fingerprint, and electronic key for versatile access.
- **Enhanced Security:** Configurable with up to 50 fingerprints and 100 passwords. Features virtual password anti-snooping, attack protection, and temporary password generation.
- **Remote Access:** Unlock remotely via the TUYA APP (requires an additional gateway, sold separately).
- **Durable Construction:** Made from zinc alloy with a 7mm diameter locking arm, resistant to frost, scratches, and violent impacts.
- **Weatherproof Design:** IP66 protection rating ensures functionality in temperatures from -20°C to 60°C (-4°F to 140°F).
- **Long Battery Life:** Built-in 1200mAh lithium battery provides up to 12 months of standby time. Rechargeable via Type-C USB.
- **Flexible Installation:** Removable latch design allows for easy, tool-free installation without permanent fixing.

4 Ways to Unlock

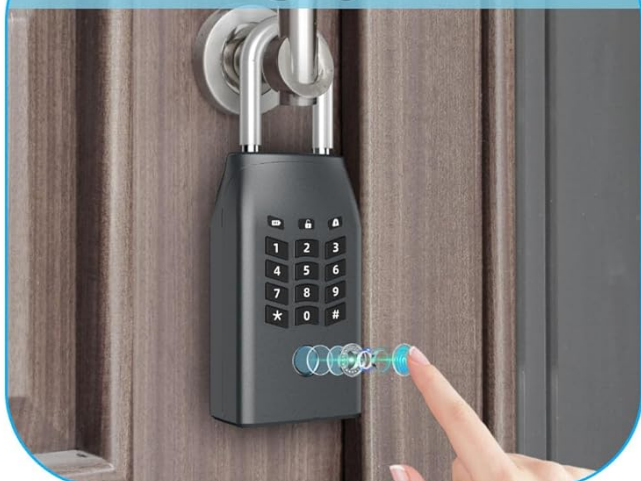
TUYA APP



Password



Fingerprint



Electronic key



Image: Illustration of the four unlocking methods: TUYA APP, password, fingerprint, and electronic key.

Sturdy and Durable



7mm diameter locking hook, effectively preventing external shear force



Zinc alloy construction, resistant to drops and smashes



Anti-corrosion coating for effective protection against corrosion

Image: Details highlighting the sturdy and durable construction, including the 7mm locking arm, zinc alloy material, and anti-corrosion coating.

4. SETUP AND INSTALLATION

4.1 Initial Charging

Before first use, fully charge the key lock box using the provided Type-C USB cable. Connect the cable to the Type-C port on the device and a standard USB power adapter (not included). The blue light will blink during charging and turn solid when fully charged.

Low Power Alarm

When the battery power $\leq 3.6V$, the blue light blinks after unlocking, which means the power is insufficient, please charge it in time.



- Built-in 1200mAh lithium battery power supply, normal standby time up to 12 months
- No need to replace the battery when it runs out of power, just charge it directly with the Type-C port power supply.

Image: Diagram showing the Type-C charging port and explaining the low power alarm indicator (blue light blinking when battery is below 3.6V).

4.2 App Download and Setup (TUYA APP)

1. Download the "TUYA Smart" or "Smart Life" app from your smartphone's app store (iOS App Store or Google Play Store).
2. Register for a new account or log in if you already have one.
3. Follow the in-app instructions to add a new device. Ensure Bluetooth is enabled on your phone.
4. The app will guide you through pairing the lock box.

4.3 Physical Installation

The KENRONE Key Lock Box features a removable latch for flexible installation. It can be hung on door handles, fences, or other suitable fixtures without the need for permanent mounting or special tools.

1. Open the lock box using one of the unlocking methods (e.g., default password or app).
2. Place your keys or other small items inside the compartment.
3. Close the lock box securely.

4. Hang the lock box on the desired location using its shackle.

Solid & Security Key Box



Image: Detailed view of the lock box dimensions and its internal key storage compartment.

5. OPERATING INSTRUCTIONS

5.1 Unlocking Methods

- **Fingerprint Unlock:** Place a registered finger on the fingerprint sensor. The lock will open if the fingerprint is recognized.
- **Password Unlock:** Enter a registered password on the keypad, then press the '#' key. The lock will open if the password is correct.
- **TUYA APP Unlock:** Open the TUYA Smart app on your smartphone. Select the lock box and tap the unlock icon. Ensure your phone is within Bluetooth range or connected via a gateway for remote unlocking.
- **Electronic Key Unlock (Emergency):** In case of battery depletion or other issues, insert the electronic key into the designated port to provide emergency power and unlock the device.

5.2 Remote Unlocking (Requires Gateway)

To enable remote unlocking functionality via the TUYA APP, an additional gateway device (sold separately) is required. The gateway connects the lock box to your home Wi-Fi network, allowing you to control it from anywhere with an internet connection.

1. Purchase and set up the KENRONE gateway device according to its instructions.
2. Ensure the gateway is powered on and connected to your Wi-Fi network.
3. Pair the lock box with the gateway through the TUYA Smart app.
4. Once paired, you can remotely unlock the key box from the app, generate temporary passwords, and view access logs.



Image: Diagram illustrating how the lock box connects to a gateway for remote unlocking via a smartphone app.

5.3 Virtual Passcode Function

The virtual passcode feature enhances security by allowing you to enter random digits before or after your actual password. This prevents others from guessing your password by observing your finger movements on the keypad. *Example: If your correct password is "123456", you can enter "456123456321" and the lock will still recognize the*

correct sequence.

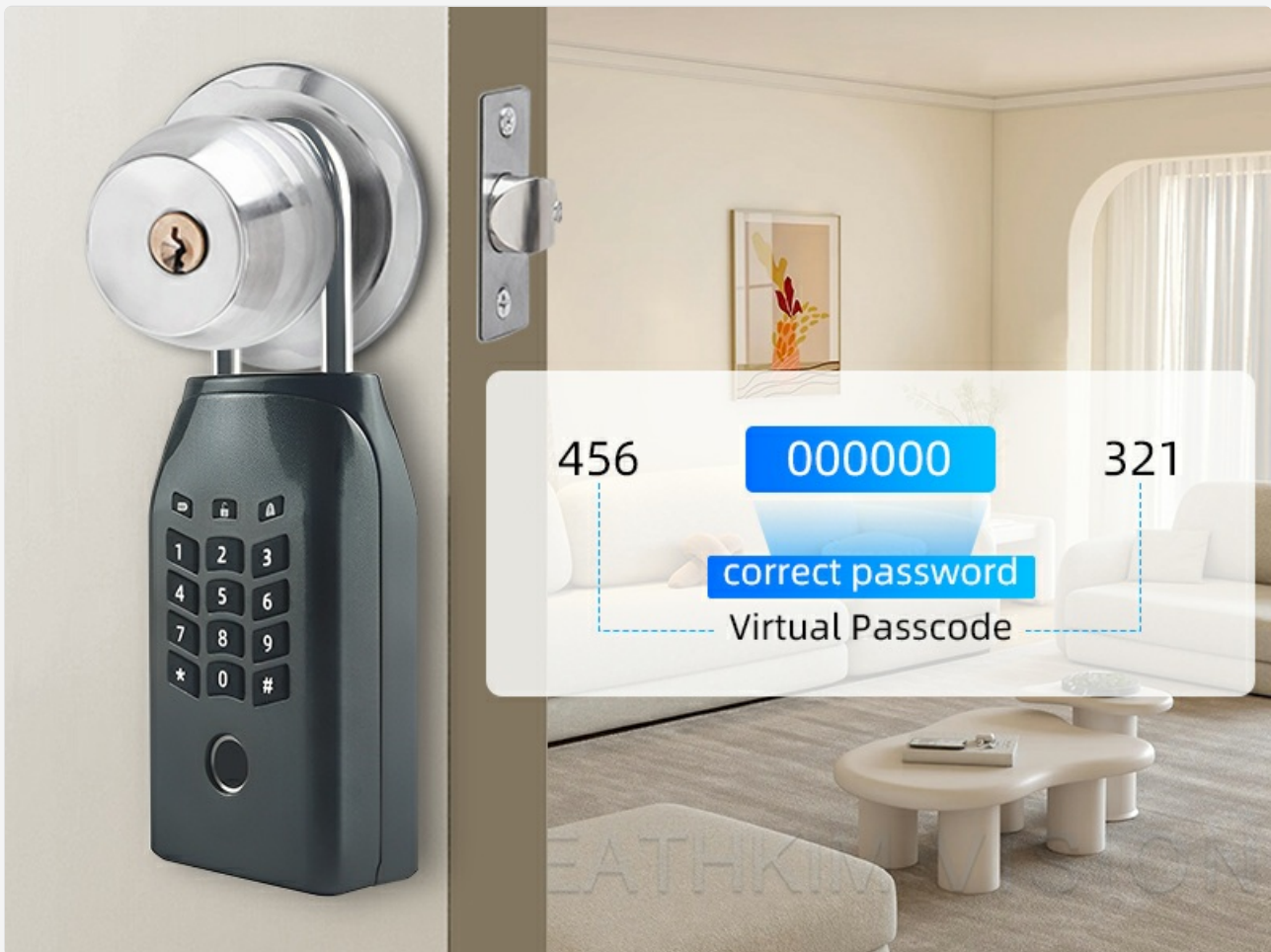


Image: Visual explanation of the virtual passcode feature, showing how random numbers can be added before and after the correct password.

6. MAINTENANCE

- **Cleaning:** Wipe the lock box with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Battery Management:** Recharge the built-in lithium battery promptly when the low power alarm (blinking blue light after unlocking) is activated. Regular charging ensures optimal performance and longevity.
- **Environmental Protection:** While the lock box is IP66 rated for water and dust resistance, avoid prolonged submersion or exposure to extreme conditions beyond its specified operating temperature range (-20°C to 60°C).

Incredibly Durable



IP66 waterproof and dustproof



-20°C~60°C (-4°F~140°F)
still can be used normally

Image: Illustration highlighting the IP66 waterproof and dustproof rating and the wide operating temperature range of the lock box.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock box does not respond.	Battery is completely depleted.	Use the electronic key for emergency power to unlock, then charge the device immediately using the Type-C USB cable.
Fingerprint not recognized.	Finger is dirty or wet; Fingerprint not properly registered; Sensor is dirty.	Ensure your finger is clean and dry. Try re-registering your fingerprint. Clean the fingerprint sensor with a soft, dry cloth.
Password not working.	Incorrect password entered; Virtual passcode used incorrectly.	Double-check the password. Ensure you are entering the correct sequence, especially if using the virtual passcode feature. Try unlocking via the app or fingerprint.

Problem	Possible Cause	Solution
App cannot connect to the lock box.	Bluetooth is off; Lock box is out of range; App issue.	Ensure Bluetooth is enabled on your phone. Move closer to the lock box. Restart the app or your phone. If using a gateway, ensure it's powered and connected to Wi-Fi.
Remote unlock not working.	No gateway connected; Gateway offline; Poor Wi-Fi signal.	Ensure you have a KENRONE gateway and it is properly set up and online. Check your Wi-Fi connection.

8. SPECIFICATIONS

Feature	Detail
Model Number	KR-KB161
Dimensions (L x W x H)	31 x 60 x 166 mm (1.22 x 2.36 x 6.54 inches)
Weight	617 g (1.36 lbs)
Material	Zinc Alloy
Color	Gun Gray
Battery Type	Built-in 1200mAh Lithium Battery
Charging Port	Type-C USB
Standby Time	Up to 12 months
Unlocking Methods	Fingerprint, Password, TUYA APP, Electronic Key
Fingerprint Capacity	50 sets
Password Capacity	100 sets
Waterproof Rating	IP66
Operating Temperature	-20°C to 60°C (-4°F to 140°F)

9. WARRANTY AND SUPPORT

KENRONE products are designed for reliability and performance. For specific warranty details and terms, 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 KENRONE Fingerprint Key Lock Box, please contact our customer support team:

- **Customer Service:** Refer to your purchase platform or included documentation for contact information.
- **Online Resources:** Visit the KENRONE brand store on Amazon or the manufacturer's website for FAQs and additional support.

Note: Keep your purchase receipt as proof of purchase for warranty claims.

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