

GEKrone T190

GEKrone T190 Fingerprint Smart Lever Lock User Manual

Model: T190 | Brand: GEKrone

1. Product Overview

The GEKrone T190 Fingerprint Smart Lever Lock offers advanced security and convenience for various indoor settings. This keyless smart lock provides multiple unlocking methods including fingerprint, digital password, IC card, mechanical key, and TUYA APP control. Designed for easy installation and robust performance, it's an ideal choice for homes, hotels, offices, and apartments.



Figure 1.1: GEKRONE T190 Fingerprints Smart Lever Lock

Key Features:

- **Multiple Unlocking Methods:** TUYA APP, Fingerprint, Digital Password, IC Card, Mechanical Key.
- **High Security:** Zinc alloy material, anti-peeping password function.
- **Quick Identification:** Advanced semiconductor biometric recognition (0.3 seconds).
- **App Control:** View unlock records, set volume, temporary passwords, remote unlocking (with gateway, sold separately).
- **Emergency Power:** USB port for emergency power (not for charging).
- **Easy Installation:** Adjustable lock buckle, reversible handle, no wiring required.

2. SAFETY INFORMATION

Please read and understand all safety precautions before installation and use to prevent damage or injury.

Environmental Considerations:

- Avoid installing the smart lock in locations exposed to direct sunlight or excessive moisture for prolonged periods. High temperatures or rainwater can damage internal components.

Battery Usage:

- The lock requires 4 AAA batteries (not included).
- **Only use alkaline dry batteries (LR3/LR03).** Do not use carbon batteries, as they can cause unstable internal voltage and lead to malfunctions.
- The USB port is for emergency power supply only and cannot be used to recharge the batteries.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition before beginning installation.



Figure 3.1: Included Components

- Front Lock Assembly
- Rear Lock Assembly
- Lock Body (Latch)
- Square Rod
- Screwdriver
- Buckle/Buckle Gasket
- Rear Lock Fixing Screw
- Lock Tongue/Buckle Gasket Screw
- Mechanical Keys (2)
- IC Cards (2)
- Strike Plate
- Strike Box
- Screws Kit

4. INSTALLATION GUIDE

The GEKRONE T190 lock is designed for straightforward installation, typically completed within 15 minutes without complex wiring. Ensure your door thickness is between 1-3/8 inches (35mm) to 2-1/8 inches (54mm) and the adjustable lock buckle is set correctly (2-3/8 inches (60mm) to 2-1/8 inches (70mm)).

Installation Steps:

1. **Prepare the Lock Body:** Adjust the lock tongue door thickness. If your door thickness is 60mm, no adjustment is needed. If it is 70mm, rotate the lock body to 70mm.
2. **Install the Lock Cylinder:** Insert the lock cylinder into the door edge and tighten its fixing screws.
3. **Prepare Front Lock:** Install the front lock screw tube and tighten with pliers.
4. **Thread Cables:** Thread the square rod and power cord through the middle hole of the locking tongue. Ensure the square rod is correctly inserted and locked into the front lock hole.
5. **Install Rear Lock:** Install the rear lock, threading the power cord from the front lock into the rear lock hole. Align the square rod and fasten it.
6. **Secure Rear Lock:** Tighten the rear lock fixing screws.
7. **Connect Power:** Connect the power cord of the front and rear locks.
8. **Insert Batteries:** Insert 4 AAA alkaline batteries into the rear lock assembly. Arrange the power cord neatly and cover the back cover.
9. **Final Secure:** Tighten the screws that secure the back cover.

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Video 4.1: Detailed Installation Tutorial for Fingerprint Door Lock

GEKRONE

GEKRONE intelligent door lock upgrades your traditional door handle

seamless replacement of traditional handles. easy to install

Door Lock Size



55cm



Replaceable

65cm



Replaceable

54cm



Replaceable

Figure 4.1: Door Lock Size Compatibility

Convenient Reversible Door Handle

No need to set screw like other door locks on the market

Suitable for both left and right hand door



Left Hand Door



Right Hand Door

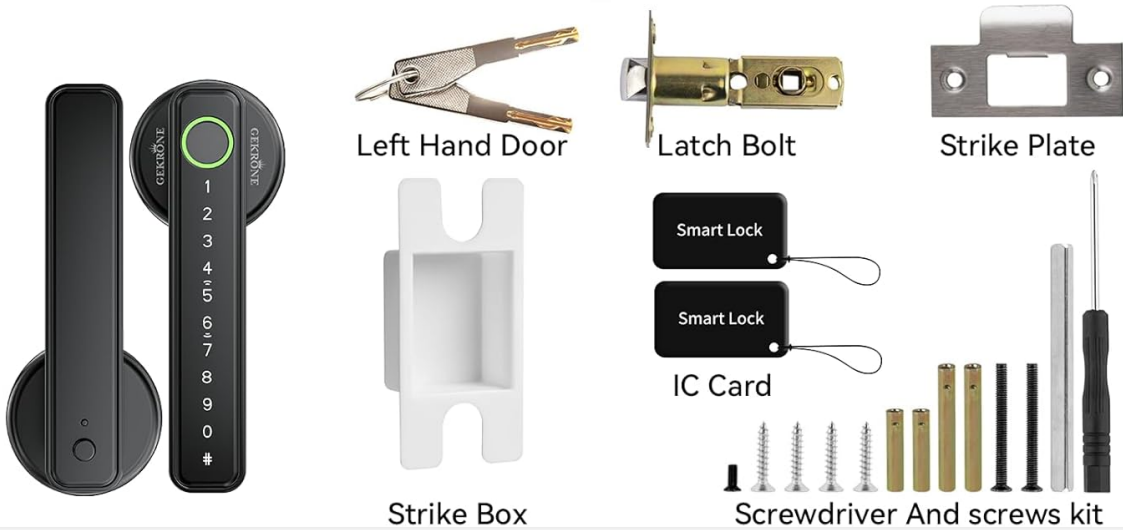


Figure 4.2: Convenient Reversible Door Handle

5. OPERATING INSTRUCTIONS

The GEKRONE T190 offers multiple ways to unlock and manage access.

Unlocking Methods:

- **Fingerprint:** Place your registered finger on the sensor for quick access. The advanced semiconductor biometric recognition technology allows for unlocking in 0.3 seconds.
- **Digital Password:** Enter your digital password on the touchscreen keypad. The anti-peeping function allows you to enter random numbers before and after your actual password to prevent it from being leaked.
- **IC Card:** Tap the provided IC card on the designated area of the lock.
- **Mechanical Key:** Use the physical key for traditional unlocking, especially useful in emergencies or if batteries are depleted.

- **TUYA APP Control:** Connect the lock to the TUYA APP via Bluetooth for local control, or connect to a gateway (sold separately) for remote control.



Figure 5.1: Overview of Unlocking Methods

Anti peeping unlock

Enter your password with peace of mind

When entering the password, you can freely enter numbers before and after the password you set, and only after continuously entering the correct password can you open the door. Prevent your password from being leaked

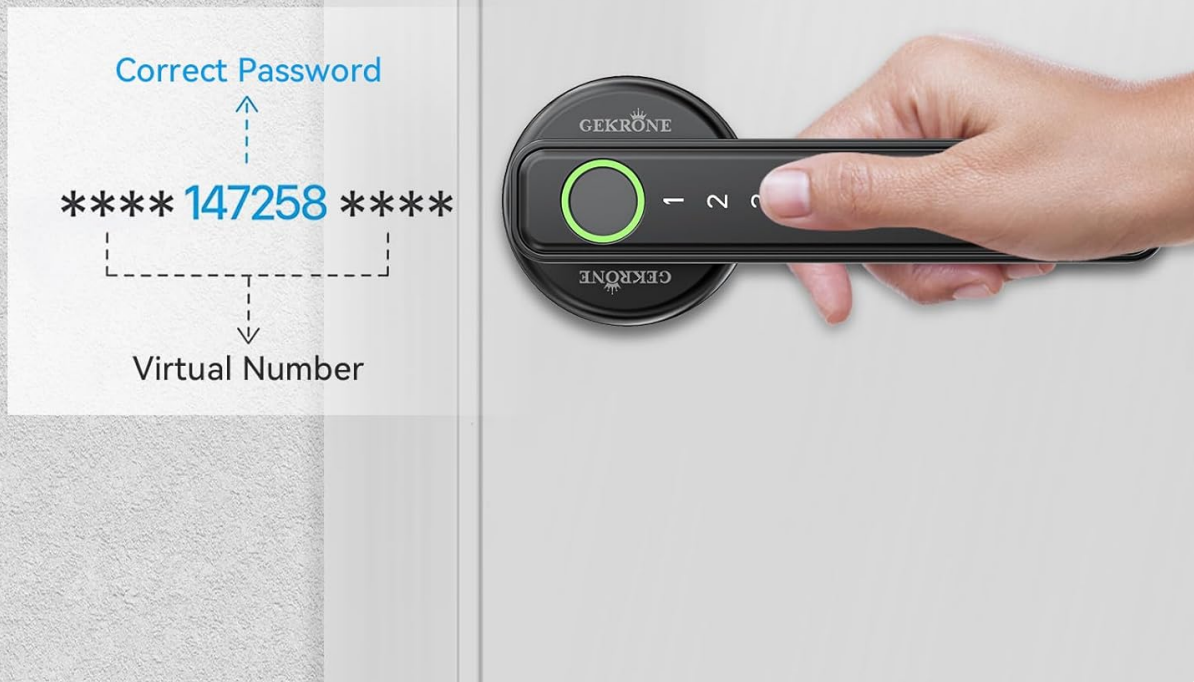


Figure 5.2: Anti-Peeping Password Entry

High Tech Semiconductor Intelligent Sensors

The fingerprint recognition button in the hand of the door handle can be lightly pressed to unlock. We have also prepared two IC cards, suitable for the elderly and children to use

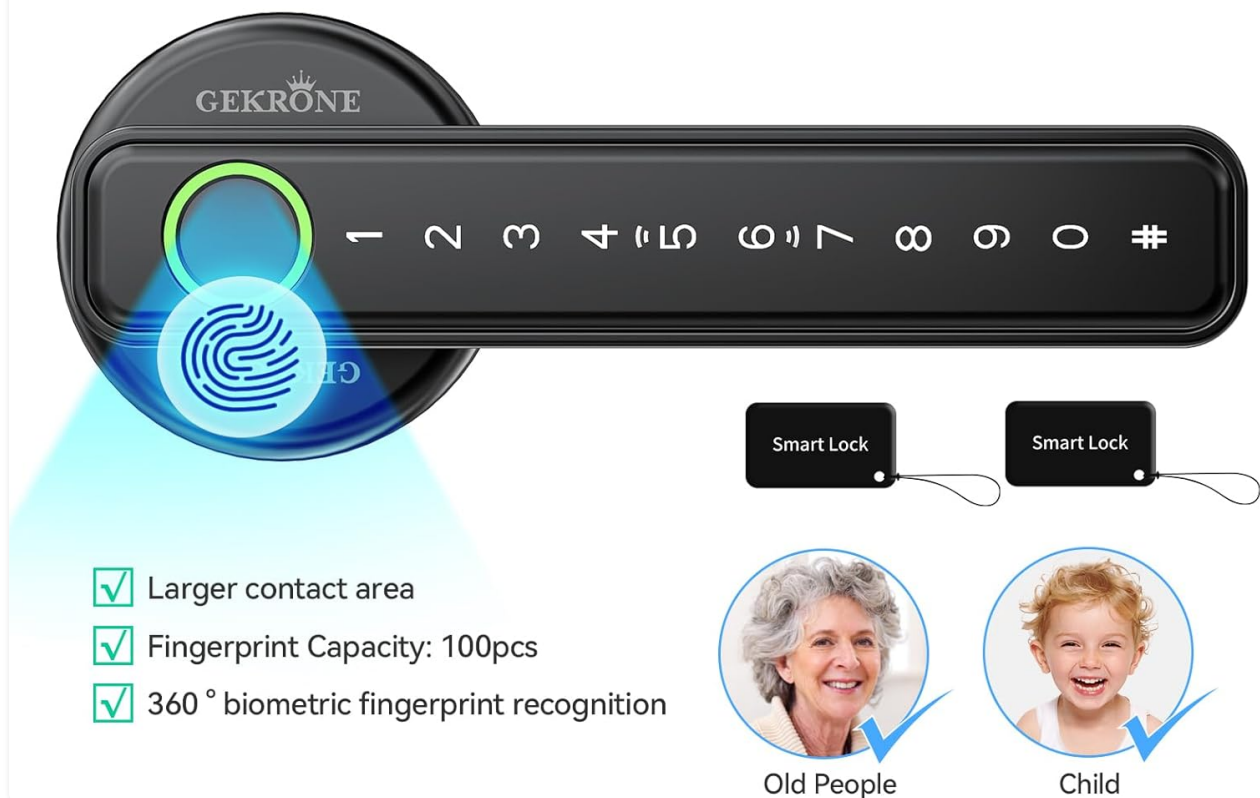


Figure 5.3: Fingerprint Sensor Details

TUYA APP Control:

The TUYA APP supports both iOS and Android devices, providing comprehensive control over your smart lock.

- **View Unlock Records:** Monitor who enters and exits, and when.
- **Set Door Lock Volume:** Adjust the sound level of the lock's operations.
- **Temporary Passwords:** Generate and send temporary passwords to guests, visitors, or service providers.
- **Remote Unlocking:** With an optional gateway (sold separately), you can unlock the door from anywhere.
- **IC Card Management:** Easily add or remove IC cards.
- **Automatic Locking:** The lock can be set to automatically lock within 5-10 seconds after closing the door.
- **Normally Open Function:** Allows the lock to remain unlocked for continuous access when needed.

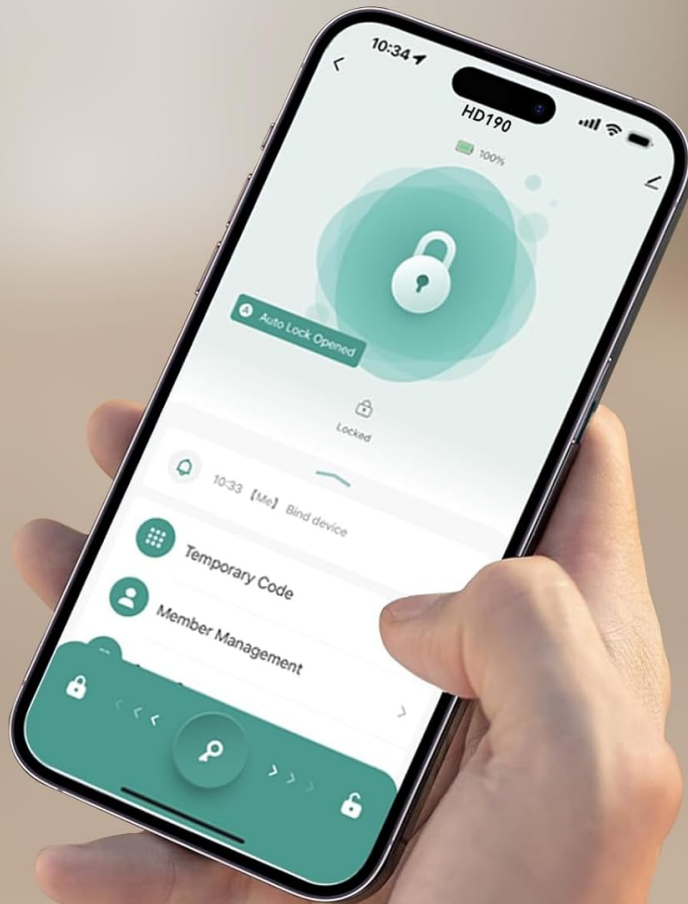
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Video 5.1: Intelligent Network Tutorial (TUYA APP Setup)

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Video 5.2: T190 Smart Door Lock Function Demonstration

Control Through APP











-  Sub user fingerprint authorization
-  View unlock records
-  Volume adjusting
-  Low battery reminder
-  Digital password setting
-  One click unlock
-  IC card management
-  Automatic lock closing

Figure 5.4: Comprehensive App Control Features

6. MAINTENANCE

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

Battery Replacement:

- The lock's battery life is approximately 10 to 12 months, depending on usage frequency.
- The lock features a low battery reminder function. Replace batteries promptly when indicated.
- Always use 4 new AAA alkaline batteries (LR3/LR03).
- To replace, remove the back cover, carefully replace the batteries, arrange the power cord, and re-secure the cover.



Figure 6.1: Battery Type and Life

General Care:

- Keep the fingerprint sensor and keypad clean and dry for optimal performance.
- Avoid using abrasive cleaners or solvents on the lock's surface.
- Ensure the lock is not exposed to extreme temperatures or direct water spray.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your GEKRONE T190 smart lock.

Common Issues and Solutions:

- **Fingerprint Scanner Not Recognizing:**

- Ensure your finger is clean and dry.
- When registering fingerprints, ensure your thumb/finger is always in the exact same position with consistent pressure. Register multiple readings of the same finger from slightly different angles for improved recognition.
- Clean the fingerprint sensor regularly with a soft, dry cloth.

- **Lock Malfunctions or Unstable Voltage:**

- **Crucial:** Verify that you are using **alkaline dry batteries (LR3/LR03)**. Carbon batteries can cause unstable internal voltage and lead to malfunctions. Replace immediately if incorrect batteries are used.

- **Difficulty Entering Passcode:**

- After setting a passcode via the TUYA APP, the correct format for entry on the lock's keypad is **# + passcode + #**.
- Ensure the keypad is clean and free from debris.

- **Lock Not Responding (No Power):**

- Check battery levels and replace if low.
- If batteries are completely dead, use a USB power bank to connect to the emergency USB port for temporary power to unlock the door.
- Use the mechanical key as an alternative unlocking method.

8. SPECIFICATIONS

| Feature | Specification |
|-----------------------------|--|
| Brand | GEKRONE |
| Model Name | T190 |
| Color | Black 2 |
| Material | Aluminum |
| Lock Type | Biometric, Combination Lock, Keypad |
| Special Features | Touchscreen, Fingerprint, Anti-Peeping Password, Passcode Unlock, One-Touch Lock |
| Item Dimensions (L x W x H) | 10 x 7 x 7 inches |
| Item Weight | 2.2 Pounds |
| Control Method | App, Touch |
| Door Thickness Range | 1-3/8 inches to 2-1/8 inches (35mm-54mm) |
| Adjustable Lock Buckle | 2-3/8 inches (60mm) to 2-1/8 inches (70mm) |

| | |
|--------------------|------------------------|
| Batteries Required | Yes (4 x AAA Alkaline) |
| Country of Origin | China |

9. WARRANTY AND SUPPORT

GEKRONE is committed to providing reliable products and excellent customer service. For any warranty claims, technical support, or inquiries regarding your T190 Fingerprint Smart Lever Lock, please contact the manufacturer directly through their official channels or the retailer where the product was purchased.

GEKRONE has over 40 years of experience in the door and window hardware industry, ensuring quality and continuous improvement in their products.