

GEKRON T190-Black

GEKRON Fingerprint Smart Lever Lock User Manual

Model: T190-Black

1. PRODUCT OVERVIEW

The GEKRON T190-Black Fingerprint Smart Lever Lock offers advanced keyless entry solutions for various indoor environments. This intelligent lock integrates multiple unlocking methods including TUYA APP control, fingerprint recognition, digital password, IC card, and traditional mechanical key access, providing flexibility and convenience. It features a robust zinc alloy construction for durability and high security.

Equipped with a high-tech semiconductor biometric recognition sensor, the lock can identify fingerprints within 0.3 seconds, supporting up to 100 unique fingerprints. Its design incorporates an anti-peeping function for digital password entry and an automatic locking feature for enhanced security. The lock is suitable for a wide range of applications, including homes, hotels, offices, apartments, and bedrooms.



Figure 1: GEKRONE Fingerprint Smart Lever Lock showcasing its sleek design and app control capability.

2. WHAT'S INCLUDED

The GEKRONE T190-Black Smart Lever Lock package includes all necessary components for installation and operation. Please verify all items are present upon unboxing.

- Smart Lever Handle (Front and Rear Assemblies)
- Adjustable Latch Bolt
- Strike Plate
- Strike Box
- IC Cards (2 included)
- Mechanical Keys (2 included)
- Mounting Screws and Screwdriver
- User Manual (this document)



Figure 2: All components provided in the GEKRONE Smart Lever Lock package, including the handle, latch, strike plate, IC cards, and mechanical keys.

3. SETUP AND INSTALLATION

Installation of the GEKRONE Smart Lever Lock is designed to be straightforward and typically takes about 15 minutes, requiring no complex wiring. Ensure your door meets the following specifications:

- Adjustable lock buckle: 2-3/8 inches (60mm) to 2-1/8 inches (70mm).
- Door thickness range: 1-3/8 inches to 2-1/8 inches (35mm-54mm).

The door handle is reversible, allowing it to be adjusted for both left and right-hand doors, ensuring compatibility with most standard door setups.



GEKRONE intelligent door lock upgrades your traditional door handle

seamless replacement of traditional handles. easy to install

Door Lock Size

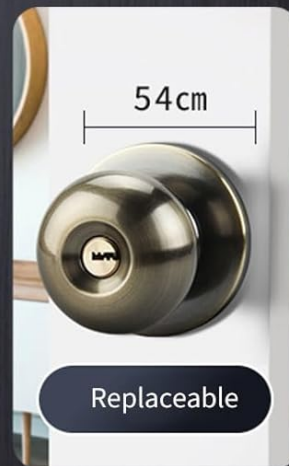
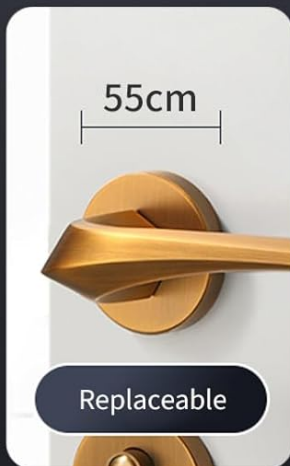


Figure 3: Detailed dimensions for proper installation, showing compatibility with various door thicknesses and backsets.

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



Left Hand Door



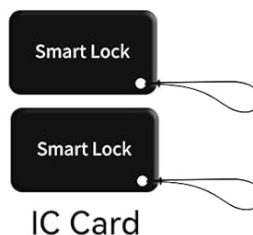
Latch Bolt



Strike Plate



Strike Box



IC Card



Screwdriver And screws kit

Figure 4: The convenient reversible design of the door handle, suitable for both left and right-hand door configurations.

Your browser does not support the video tag.

Video 1: A demonstration of the T190 Smart Door Lock's functions, including installation and various unlocking methods.

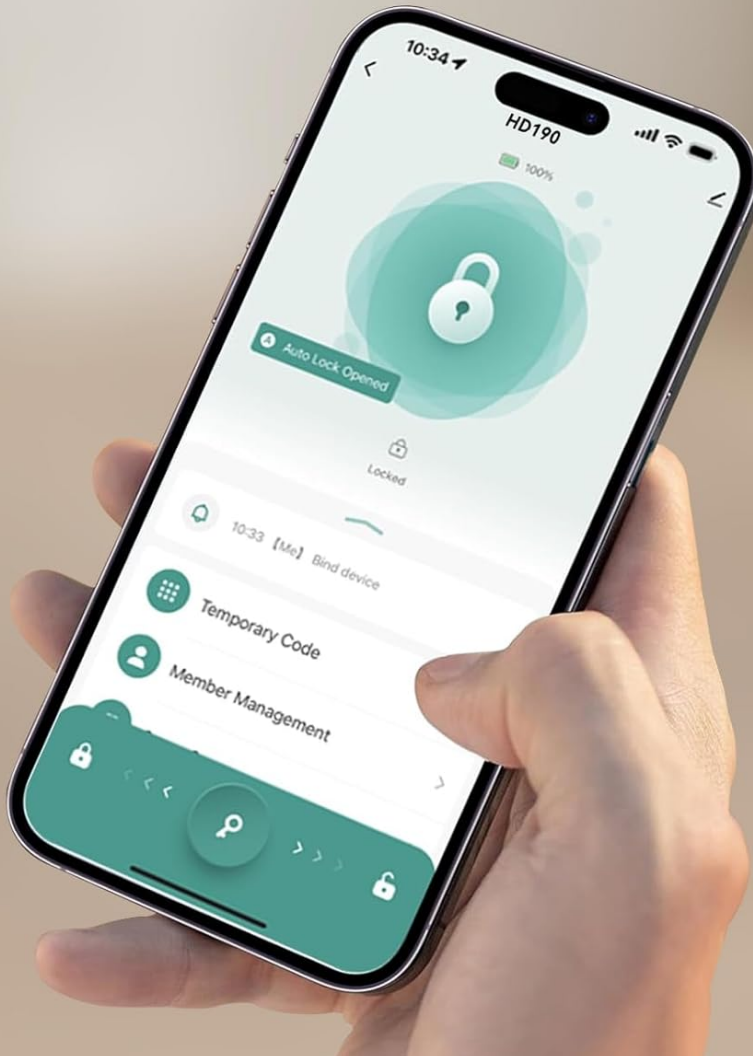
4. OPERATING INSTRUCTIONS

The GEKRONE Smart Lever Lock offers multiple convenient ways to unlock your door:

4.1 Fingerprint Unlocking

Utilize the advanced semiconductor biometric recognition technology for quick access. The lock can read your fingerprint within 0.3 seconds. It supports up to 100 different fingerprints, allowing multiple authorized users.

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: The fingerprint unlock feature, highlighting its high recognition rate and quick access.

4.2 Digital Password Unlocking

Enter your digital password on the touchscreen keypad. The lock supports an anti-peeping function, allowing you to input random numbers before or after your actual password to prevent others from guessing it.



In emergency situations, USB power banks can be used to power the smart lock and unlock it



Attention: The 5V Type-C port is only used for emergency power supply and cannot charge the battery



Provide two machine keys for traditional unlocking

Emergency Unlock

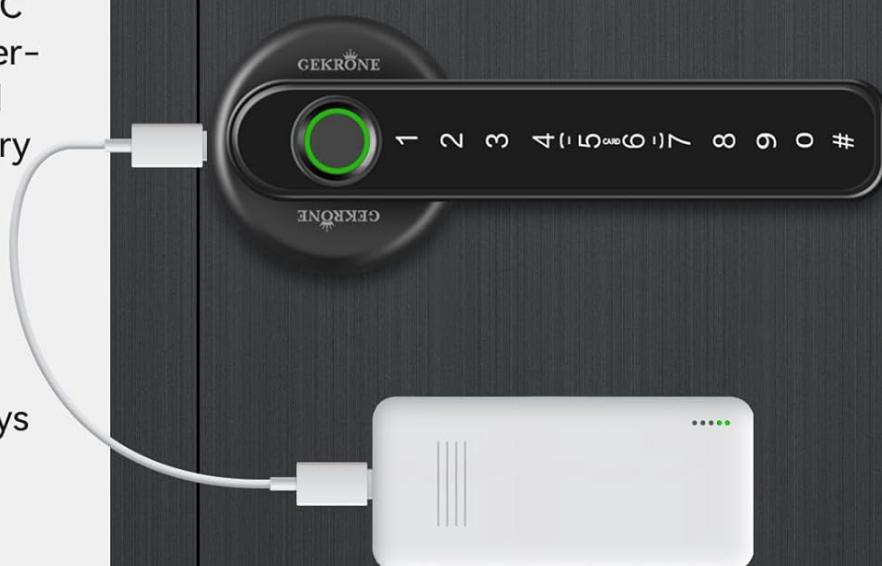


Figure 6: Illustration of the anti-peeping unlock feature, allowing virtual numbers to be entered around the correct password for security.

4.3 IC Card Unlocking

Simply tap the provided IC card on the designated area of the lock for quick and convenient entry. This method is particularly useful for guests or those who prefer not to use fingerprints or passwords.



Figure 7: Overview of the various unlocking methods available, including Smart Keycard, Fingerprint, Mechanical Key, Digital Password, and Multi-Functional APP Control.

4.4 Mechanical Key Unlocking

For emergency situations or as a traditional backup, mechanical keys are provided. Insert the key into the hidden keyhole and turn to unlock.

5. APP CONTROL (TUYA APP)

The smart lock can be controlled via the TUYA APP, compatible with both iOS and Android devices. This allows for advanced management and monitoring of your lock:

- View unlock records and access logs.
- Set and adjust door lock volume.
- Receive low battery reminders.
- Set temporary passwords for guests or service providers.

- Manage IC cards and sub-user fingerprint authorizations.
- One-click unlock functionality.
- Automatic lock closing settings.

For ultra-long distance control and remote unlocking functionality, the door lock can be connected to a gateway (sold separately).

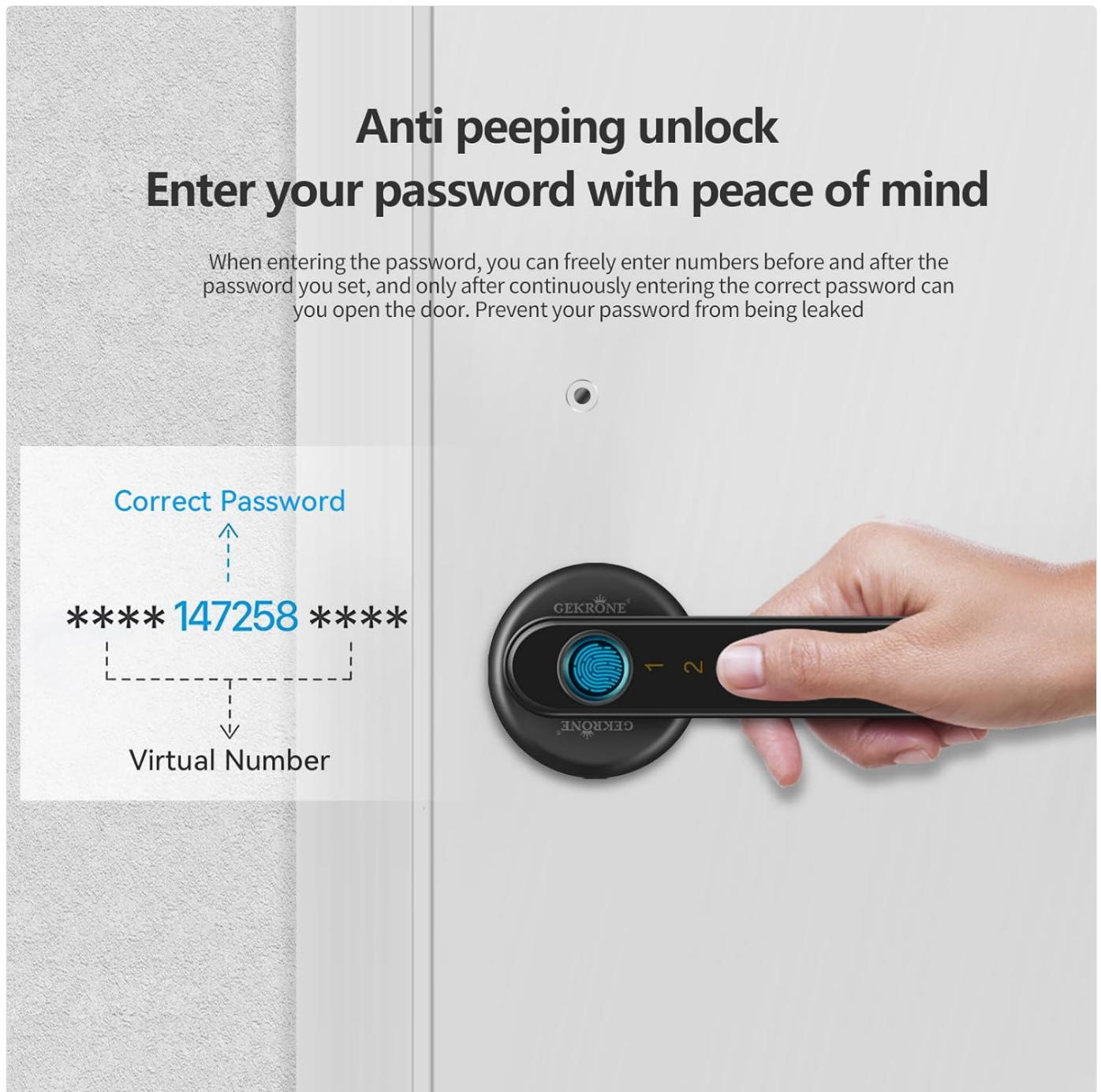


Figure 8: The TUYA APP interface, illustrating various control options such as viewing unlock records, setting temporary codes, and managing members.



Figure 9: Demonstrates the remote unlocking function when the smart lock is connected to a gateway via the app.

6. SECURITY FEATURES

The GEKRONE Smart Lever Lock is designed with multiple security enhancements:

- **Anti-Peeping Function:** When entering a digital password, you can input random numbers before and after the correct password. The lock will only recognize the continuous correct sequence, preventing others from observing your actual code.
- **Automatic Locking:** The lock can be configured to automatically lock within 5-10 seconds after the door is closed, ensuring your property remains secure even if you forget to manually lock it.
- **Durable Construction:** Made from zinc alloy, the lock is corrosion-resistant, sturdy, and designed for long-term reliability.



Figure 10: The auto-lock feature, which automatically secures the door after a set period, and options for adjusting the lock's volume.

7. POWER MANAGEMENT

The GEKRON Smart Lever Lock operates on 4 AAA batteries (not included). For optimal performance and longevity, it is crucial to use alkaline dry batteries (LR3/LR03). Carbon batteries can cause unstable internal voltage and lead to malfunctions.

- **Battery Life:** Battery life can extend from 10 to 12 months, depending on usage frequency.
- **Low Battery Reminder:** The lock is equipped with a low battery reminder function to alert you when batteries need replacement.
- **Emergency Power:** A USB port is available for emergency power supply using a power bank. Please note, this port is for emergency use only and does not recharge the internal batteries.

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

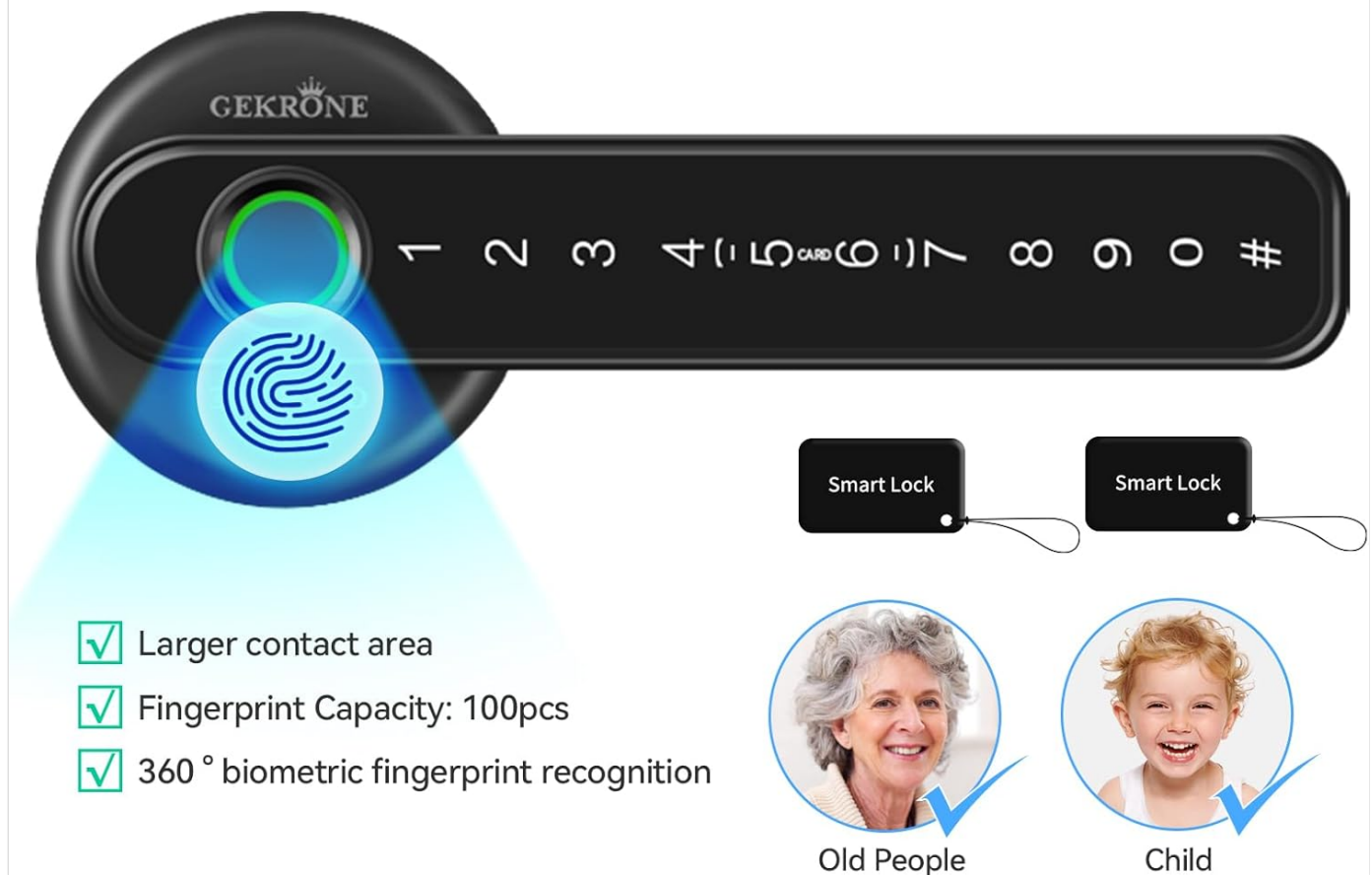


Figure 11: The emergency unlock feature, showing how a USB power bank can be used to temporarily power the lock.

8. MAINTENANCE

To ensure the longevity and optimal performance of your GEKRONE Smart Lever Lock, follow these maintenance guidelines:

- **Battery Replacement:** Replace batteries promptly when the low battery reminder activates. Always use LR3/LR03 alkaline dry batteries.
- **Cleaning:** Wipe the lock surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Environmental Conditions:** Avoid installing the lock in locations exposed to prolonged direct sunlight or excessive moisture, as high temperatures or water exposure can damage internal components.

9. TROUBLESHOOTING

If you encounter issues with your GEKRONE Smart Lever Lock, consider the following common solutions:

- **Lock Not Responding:** Check battery levels. If low, replace with new alkaline batteries or use the emergency USB power.

- **Fingerprint Recognition Issues:** Ensure your finger is clean and dry. Try re-registering your fingerprint if issues persist. Ensure proper placement on the sensor.
- **Digital Password Not Working:** Verify the correct password sequence. Remember the anti-peeping function allows extra digits before and after the actual code.
- **App Connectivity Problems:** Ensure Bluetooth is enabled on your device and the lock is within range. If using a gateway for remote access, verify its connection and power status.
- **Lock Malfunctions:** Ensure you are using alkaline batteries. Carbon batteries can cause unstable voltage and lead to erratic behavior.

10. SPECIFICATIONS

Feature	Detail
Brand	GEKRONE
Model Name	T190-Black
Lock Type	Biometric, Combination Lock, Keypad
Special Feature	Fingerprint
Material	Aluminum
Color	Black
Item Dimensions (L x W x H)	10 x 7 x 3 inches
Item Weight	1 pounds (16 ounces)
Power Source	4 x AAA Alkaline Batteries (not included)
Connectivity Protocol	Bluetooth
Controller Type	SmartThings, iOS, Android (via TUYA APP)
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)
Fingerprint Capacity	Up to 100 fingerprints
UPC	795261374327

11. WARRANTY AND SUPPORT

For warranty information or technical support regarding your GEKRONE Smart Lever Lock, please contact the seller directly through your purchase platform. Ensure you have your product model number (T190-Black) and purchase details ready for faster assistance.

