

HEI LIANG HL-2

HEI LIANG Fingerprint Smart Door Knob User Manual

Model: HL-2

INTRODUCTION

Thank you for choosing the HEI LIANG Fingerprint Smart Door Knob. This smart lock provides advanced security and convenient access through fingerprint recognition, app control, and traditional mechanical keys. Designed for ease of use and durability, it is suitable for various applications including bedrooms, utility rooms, apartments, offices, and hotels. Please read this manual carefully before installation and operation to ensure proper functionality and safety.

For additional support and detailed information, please refer to the official user guide PDF [Download User Guide \(PDF\)](#)

1. SETUP

1.1 What's Included

Before beginning installation, ensure all components are present:

- Smart Door Knob (Exterior and Interior Assemblies)
- Latch Mechanism
- Mounting Screws
- Mechanical Keys (2)
- Installation Template
- USB-A to Type-C Charging Cable
- User Manual

1.2 Tools Required

- Phillips Head Screwdriver
- Measuring Tape
- Pencil
- Drill (if modifying door for latch)

1.3 Installation Steps

The HEI LIANG Smart Door Knob is designed for easy installation on US standard doors (1.18"-2.17" thick). Follow these steps:

1. **Prepare the Door:** Ensure your door's bore hole and backset are compatible. The lock fits 2-3/8" or 2-3/4" (60mm or 70mm) backsets and 1-1/2" or 2-1/8" (38mm or 55mm) cross bore holes. Refer to the installation template for precise measurements.
2. **Install the Latch:** Insert the latch mechanism into the door edge, ensuring the bevel faces the door frame. Secure it with screws.
3. **Install Exterior Assembly:** Feed the cable from the exterior knob through the bore hole and align the spindle with the latch. Ensure the 'UP' sign on the exterior knob is facing upwards.
4. **Install Interior Assembly:** Connect the cable from the exterior assembly to the interior assembly. Align the interior knob with the spindle and secure both assemblies with the provided mounting screws.
5. **Test Operation:** Before closing the door, test the mechanical operation of the knob.
6. **Initial Charging:** The lock has a built-in 400mAh rechargeable battery. Fully charge the device for 3-4 hours using the provided USB-A to Type-C cable before first use. A low battery warning activates at 15% capacity.

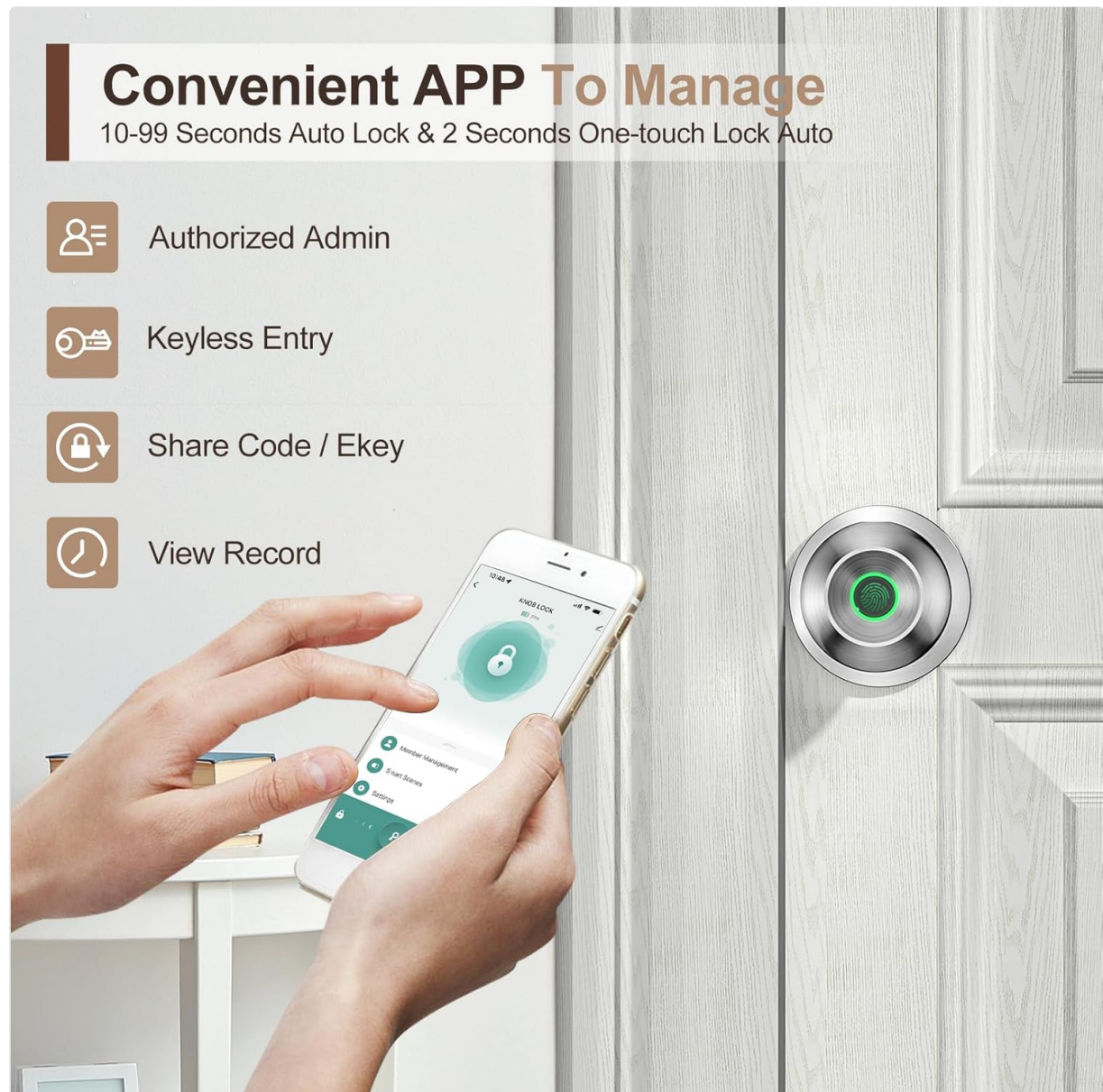


Figure 1.1: Door compatibility and dimensions for installation.



Figure 1.2: Easy installation process and charging the smart door knob.

1.4 App Download and Pairing

Download the companion app (e.g., Tuya Smart or Smart Life app) from your device's app store. Follow the in-app instructions to pair your smart door knob via Bluetooth. Wi-Fi settings and remote access features may require an additional gateway (sold separately).

Function & Security



Figure 1.3: The smart lock app interface for control and management.

2. OPERATING INSTRUCTIONS

2.1 Unlocking Methods

- **Fingerprint Recognition:** Place your registered finger on the fingerprint sensor on the exterior knob. The lock will unlock in approximately 0.5 seconds if the fingerprint is recognized. The LED indicator will confirm successful unlock. The lock can store up to 20 fingerprints.
- **App Control:** Use the paired mobile app to remotely lock or unlock the door. This method provides convenience and allows for remote access management.
- **Mechanical Key:** In case of battery depletion or other issues, a hidden mechanical keyhole provides a backup entry method. Insert and turn the key to unlock.



Figure 2.1: The HEI LIANG Smart Door Knob, showcasing its fingerprint sensor, app control, and mechanical key backup.

Upgraded Biometric Fingerprint Reader

Fingerprint door lock is equipped with advanced fingerprint sensor,



360°
Recognition



20 Sets
Fingerprints



0.3S
Recognition speed



99%
Recognition Rate

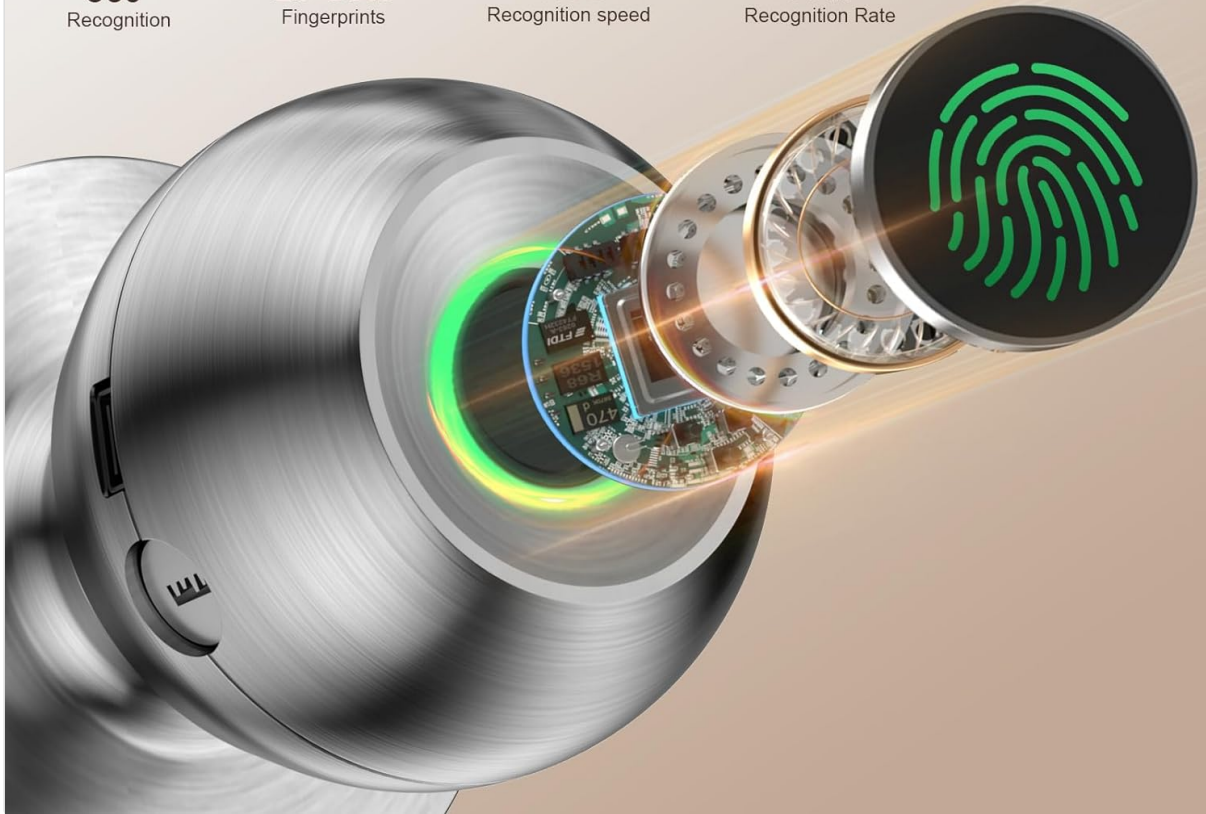


Figure 2.2: Detailed view of the advanced biometric fingerprint reader, highlighting its quick recognition speed and high accuracy.

2.2 App Features and Management

The mobile app provides comprehensive control and monitoring capabilities:

- **User Management:** Add or delete fingerprints for authorized users. Up to 20 fingerprints can be stored.
- **Access Logs:** View real-time unlock records and traffic patterns, providing a history of who accessed the door and when.
- **Automatic Locking:** Configure the lock to automatically lock within 5 seconds after being opened, enhancing security.
- **Temporary Access Codes:** Create time-limited access codes for guests or service providers (e.g., 12 hours, 3 days, 1 week options).
- **Intrusion Alerts:** Receive notifications on your smartphone for any attempted unauthorized access.
- **Passage Mode:** Enable passage mode for continuous unlocked access, useful for events or when frequent entry/exit is needed.

UP TO 21 PIN CODES

20+1 Up to 21 different PIN Codes & 2 Physical keys Unlock

20 Fingerprints

20 User Codes

One-time Pin Code

2 Physical keys

The image shows a silver smart lock on a light-colored wooden door. The lock features a circular fingerprint scanner with a green light. To the right of the lock, a white panel displays six user profile photos in a 3x2 grid. Below this panel, a vertical list of icons and text specifies the lock's capabilities: 20 Fingerprints (fingerprint icon), 20 User Codes (person icon), One-time Pin Code (lock icon), and 2 Physical keys (key icon).

Figure 2.3: The smart lock supports multiple user profiles, allowing easy management of access for various individuals.

Auto-lock & One-touch Locking

10-99 Seconds Auto Lock & 2 Seconds One-touch Lock Auto

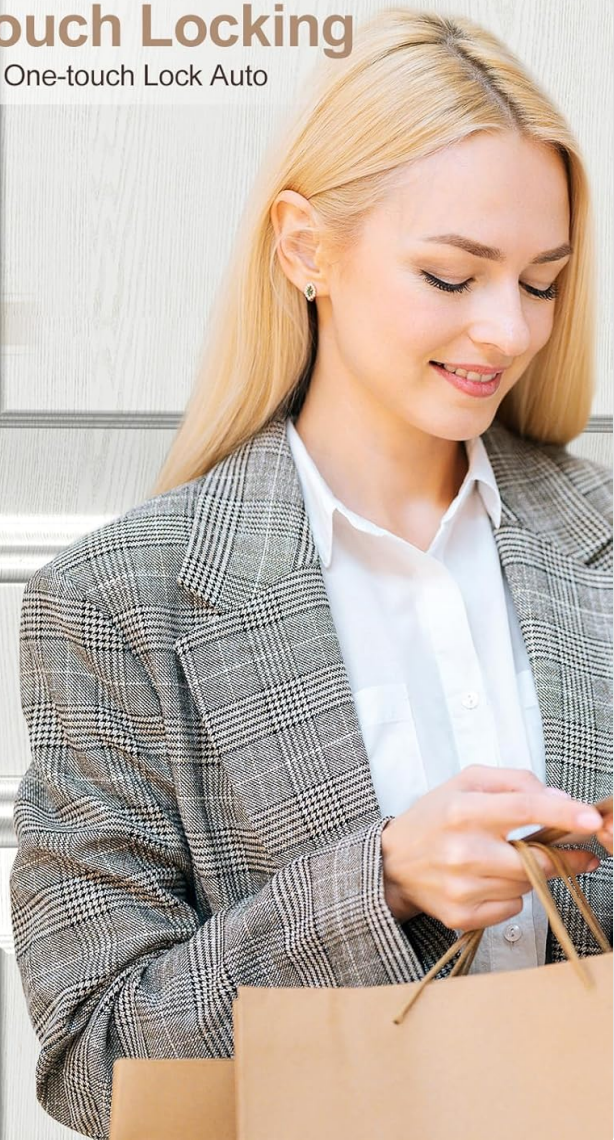


Figure 2.4: The auto-lock feature ensures the door is secured automatically after a set period.

2.3 Official Product Videos

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Video 2.1: Smart door knob display. This video demonstrates the various features and functions of the smart door knob in a practical setting.

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Video 2.2: Stylish and convenient way to lock your door. This video highlights the aesthetic appeal and user-friendly aspects of the smart lock.

3. MAINTENANCE

3.1 Cleaning

To maintain the appearance and functionality of your smart door knob, wipe it regularly with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.

3.2 Battery Management

The smart door knob is powered by a built-in 400mAh rechargeable battery. A full charge typically lasts approximately 8 months, depending on usage frequency.

- **Charging:** When the battery level is low (at 15% capacity), the lock will provide a visual battery display and an audible low battery alarm. Connect the provided USB-A to Type-C cable to the charging port on the knob and a power source (e.g., USB charger, power bank) for 3-4 hours to fully recharge.
- **Battery Life:** Regular charging ensures uninterrupted operation.



Figure 3.1: Charging interface and battery indicator on the smart door knob.

4. TROUBLESHOOTING

If you encounter issues with your HEI LIANG Smart Door Knob, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Fingerprint not recognized.	Ensure your finger is clean and dry. Try re-registering your fingerprint in the app. Ensure proper placement on the sensor.

Problem	Possible Cause / Solution
Lock does not respond.	Check battery level and recharge if necessary. Use the mechanical key as a backup.
App cannot connect to the lock.	Ensure Bluetooth is enabled on your phone and the lock is within range. Restart the app and/or your phone. Try re-pairing the device in the app.
Auto-lock not functioning.	Verify that the auto-lock feature is enabled and configured correctly in the mobile app.
Lock feels loose after installation.	Ensure all mounting screws are tightened securely. Re-check the installation steps.

For more detailed troubleshooting or issues not listed here, please consult the full user guide PDF or contact customer support.

5. SPECIFICATIONS

Feature	Detail
Brand	HEI LIANG
Model Name	HL Knob Lock 2 (HL-2)
Lock Type	Biometric
Material	Zinc, Stainless Steel
Color	Silver
Dimensions (L x W x H)	9.29 x 2.99 x 2.99 inches
Item Weight	1.49 Pounds
Door Thickness Compatibility	1.18"-2.17" (30mm-55mm)
Fingerprint Capacity	Up to 20 fingerprints
Battery Type	Built-in 400mAh Rechargeable Lithium Ion
Connectivity	Bluetooth (Wi-Fi with optional gateway)
UPC	758984224423

6. WARRANTY & SUPPORT

HEI LIANG products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Please refer to the product packaging or the official user guide PDF for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact HEI LIANG customer service through the contact information provided on the product packaging or the official brand website.

When contacting support, please have your product model (HL-2) and purchase details ready.

Official User Guide:

<https://manuals.plus/m/bdf976f401819034d57756d1da35231e8c98026debbd4ba4b0181b55efad4998>

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