

YHV CA-01

YHV Keyless Entry Smart Door Lock with Camera

Model: CA-01

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your YHV Keyless Entry Smart Door Lock with Camera. This smart lock integrates multiple access methods, including fingerprint, keypad, app control, and traditional key, along with a built-in camera for enhanced security and convenience. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

2.1 Components

The YHV Smart Door Lock system includes the following main components:

- Deadbolt Front Lock (Exterior Unit with Keypad and Camera)
- Deadbolt Rear Lock (Interior Unit with Thumb Turn)
- Doorbell (Integrated into Exterior Unit)
- Keys (Physical backup keys)
- Lock Cylinder
- Mounting Hardware (Screws, plates, etc.)

2.2 Key Features

- **Multi-Access Convenience:** Unlock via remote WiFi, fingerprint, password, key, or temporary password.
- **WiFi Remote Control:** Lock and unlock from anywhere using the TUYA APP via 2.4GHz Wi-Fi.
- **Integrated Camera & Two-Way Audio:** View live video, capture photos/videos, and communicate with visitors via the app when the doorbell is pressed.
- **One-Touch Lock/Unlock:** Simple touch activation for locking/unlocking.
- **Auto-Lock Feature:** Customizable auto-lock timer from 10 to 90 seconds.
- **High Capacity:** Stores up to 50 unique fingerprints and 50 passwords.

- **Anti-Peep Password:** Enter random digits before or after your actual code to prevent unauthorized viewing.
- **Emergency Power Supply:** Type-C port for temporary power in case of battery depletion.
- **Weather Resistance:** IP54 rated for protection against dust and splashing water.



Figure 1: Overview of the YHV Smart Door Lock components, showing the exterior keypad with camera, interior thumb turn unit, and a separate speaker unit.

3. INSTALLATION GUIDE

3.1 Pre-Installation Checks

Before beginning installation, ensure your door meets the following specifications:

- **Door Thickness:** Compatible with standard door thicknesses.
- **Door Hole Diameter:** Fits door holes from 1.5 inches (38mm) to 2.21 inches (54mm).
- **Backset:** Adjustable for 2-3/8 inches (60mm) or 2-3/4 inches (70mm).
- **Door Handing:** Works with both left-handed and right-handed doors.

Figure 2: Door compatibility and dimensions for the YHV Smart Door Lock, illustrating backset, door hole size, and handing.

3.2 Step-by-Step Installation

Installation typically requires a screwdriver and a drilling machine if new holes are needed. Follow the detailed instructions provided in the physical installation guide included with your product. The process generally involves:

1. Prepare the door by ensuring existing holes are correctly sized or drilling new ones according to the template.
2. Install the deadbolt latch into the door edge.
3. Mount the exterior keypad unit, feeding cables through the door.
4. Install the interior unit, connecting the cables and securing it to the exterior unit.
5. Insert batteries (4 AA batteries, not included) into the interior unit.
6. Test the lock's basic functionality with the physical key.

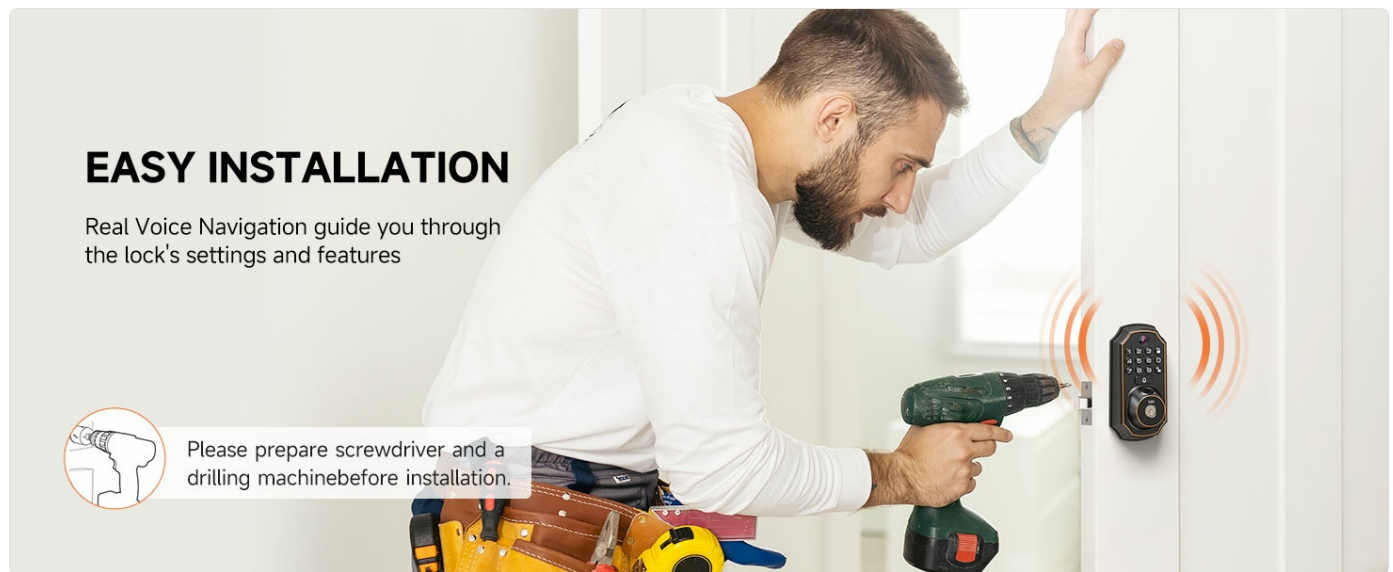


Figure 3: Illustration of the installation process for the YHV Smart Door Lock, showing a person using tools to mount the lock.

3.3 App Connection

To utilize smart features, download the TUYA APP from your smartphone's app store. Enable Bluetooth and ensure your phone is connected to a 2.4GHz Wi-Fi network. Follow the in-app instructions to pair your smart lock. This will allow remote control, user management, and real-time notifications.

4. OPERATING INSTRUCTIONS

4.1 Multiple Unlock Methods

The YHV Smart Door Lock offers several ways to unlock:

- **Fingerprint:** Place your registered finger on the sensor for quick access. The lock supports up to 50 unique fingerprints with a recognition rate of over 99% in 0.3 seconds.
- **Password:** Enter your registered 6-digit password on the keypad.
- **Anti-Peep Password:** To enhance security, you can enter random digits before or after your actual password. For example, if your password is '123456', you can enter '987123456098' and the lock will still recognize the correct sequence.
- **Physical Key:** Use the provided physical keys as a traditional backup method.
- **App Control:** Use the TUYA APP on your smartphone to remotely unlock the door.

- **Temporary Password:** Generate one-time or time-limited passwords via the app for guests or service providers, even when offline.



Figure 4: Various methods available to unlock the YHV Smart Door Lock, including app, fingerprint, password, key, and temporary password.

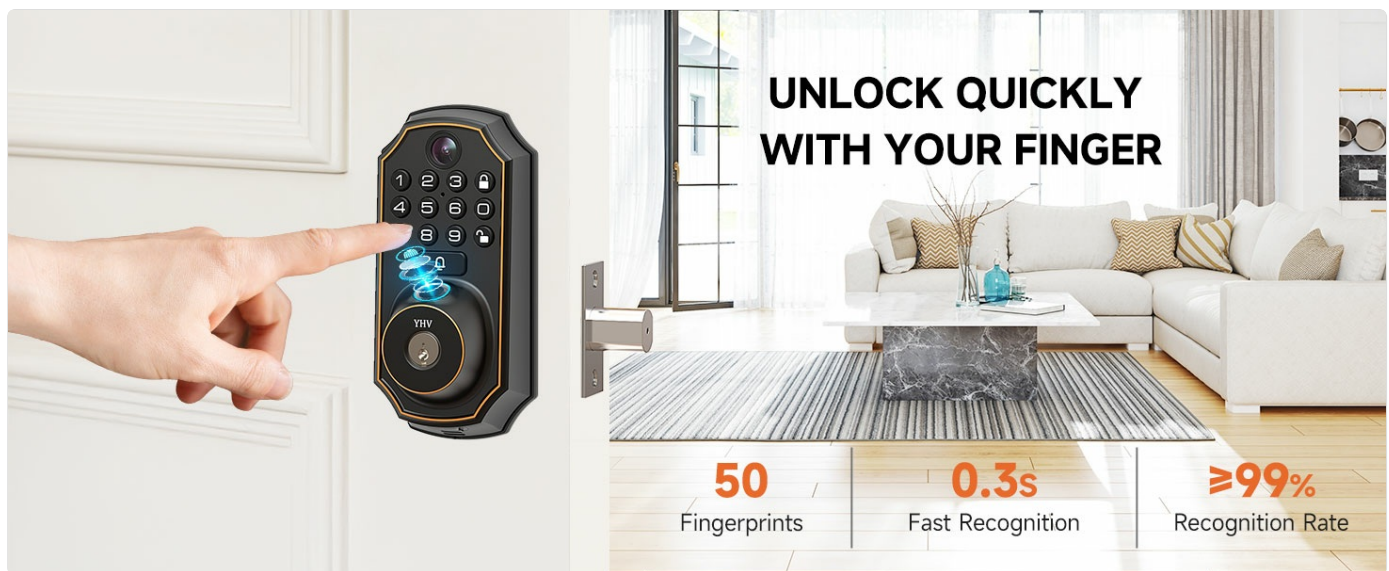


Figure 5: Demonstrates the quick and accurate fingerprint recognition feature of the YHV Smart Door Lock.



Figure 6: Explanation of the anti-peeking password feature, allowing random digits to be entered before or after the correct code.

4.2 App Control & Remote Access

The TUYA APP provides comprehensive control over your smart lock:

- **Remote Lock/Unlock:** Control your door from anywhere with an internet connection.
- **Real-time Notifications:** Receive alerts when the doorbell is pressed or the lock status changes.
- **Live Video & Two-Way Audio:** When a visitor presses the doorbell, you can view live video, capture images or recordings, and engage in two-way communication directly from your smartphone.

2-WAY AUDIO REMOTE CONTROL

View or Talk to Visitors

Hey, we're here, please open the door.

Okay, the door has been unlocked.



Built-in Wi-Fi

Figure 7: Demonstrates the two-way audio remote control feature, allowing communication with visitors via a smartphone app.

4.3 Auto-Lock Feature

The auto-lock feature automatically secures your door after a set period. You can configure the auto-lock timer from 10 to 90 seconds via the app settings. This ensures your door is always locked, providing peace of mind.

SMART AUTO LOCK

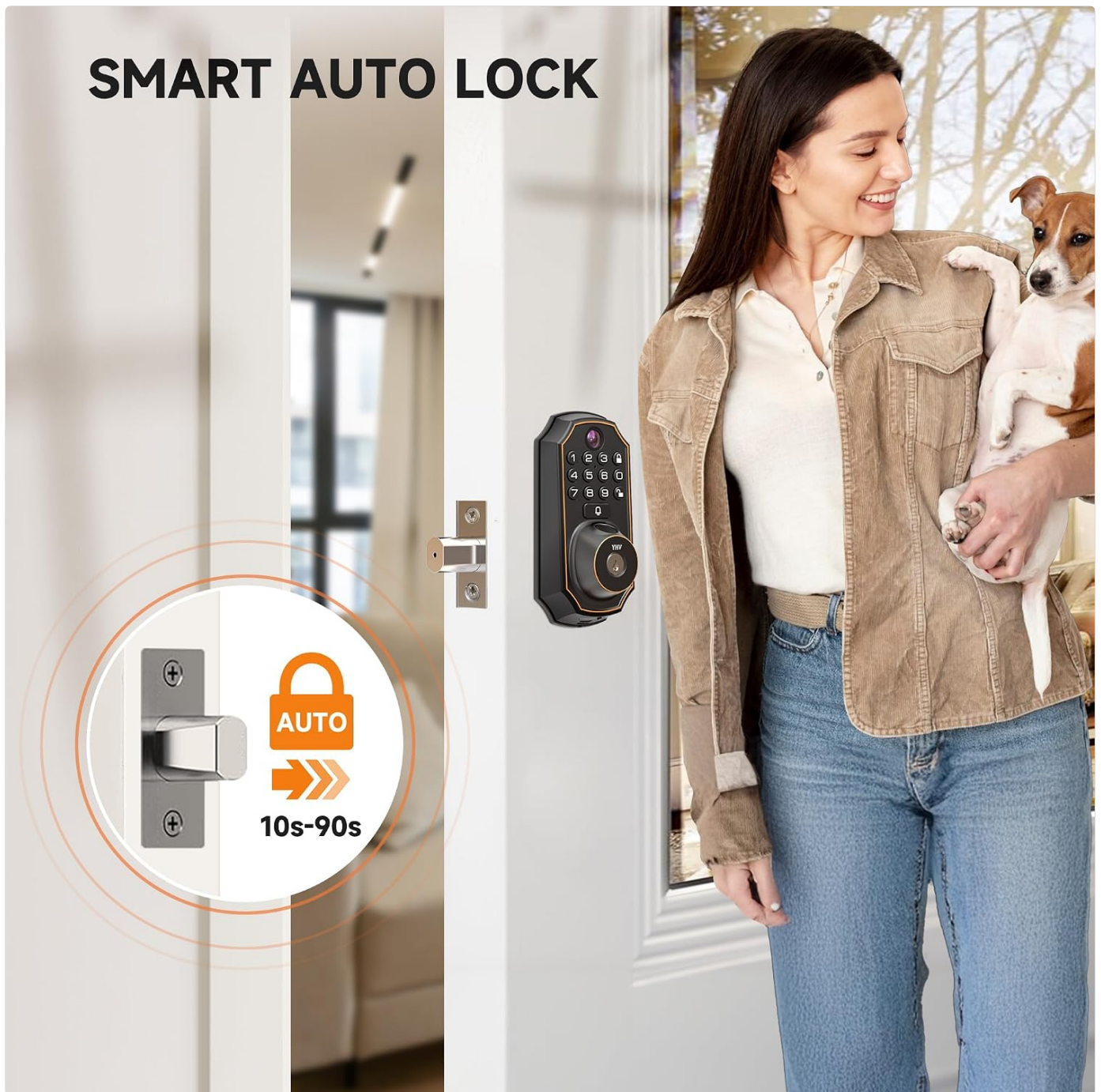


Figure 8: Visual representation of the Smart Auto Lock feature, which automatically locks the door after a user-defined period (10-90 seconds).

4.4 Mute Mode

The YHV Smart Door Lock includes a mute mode feature, allowing you to adjust the volume of the lock's sounds or set it to silent. This is useful for maintaining a quiet environment, especially during specific hours or if you prefer discreet operation.

MUTE MODE

YHV door lock can adjust the volume, and you can set it to mute mode when you need a quiet environment.

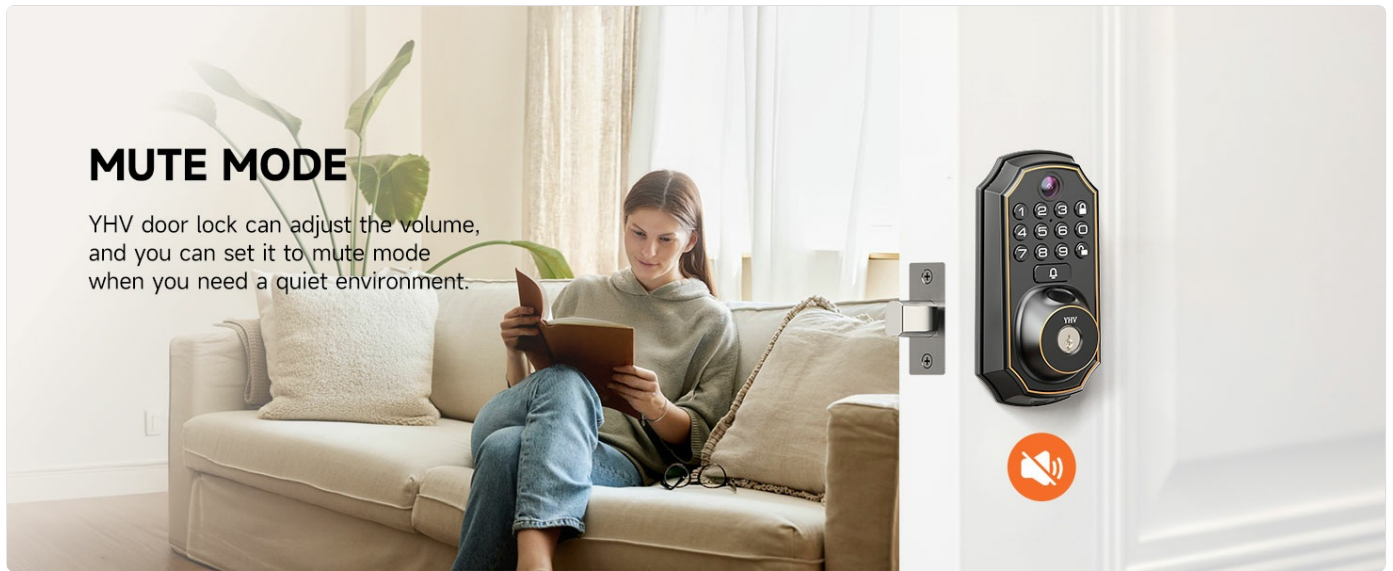


Figure 9: The Mute Mode feature allows users to adjust or silence the lock's sounds for a quiet environment.

5. MAINTENANCE

5.1 Battery Management

The smart lock operates on 4 AA batteries (not included). It is recommended to use high-quality alkaline batteries for optimal performance. The lock features a low battery alert system:

- You will hear audible beeps when the battery level is low.
- The unlock button on the keypad will turn red, indicating it's time to replace the batteries.

In case of complete battery depletion, an emergency power supply is available via a Type-C port located on the exterior unit. Connect a portable power bank to temporarily power the lock and gain access.

LOW BATTERY ALERT

The smart lock runs on 4 AA batteries (not included). You will hear the beeps and the unlock button turns red when it's time to change the batteries.



Figure 10: Details on the low battery alert system and the Type-C port for emergency power supply.

5.2 Weather Resistance

The front lock (exterior unit) is IP54 rated, providing protection against dust ingress and splashing water from any direction. It is designed to operate in temperatures ranging from -31°F to 158°F (-35°C to 70°C). While robust, avoid direct high-pressure water

exposure or prolonged submersion.

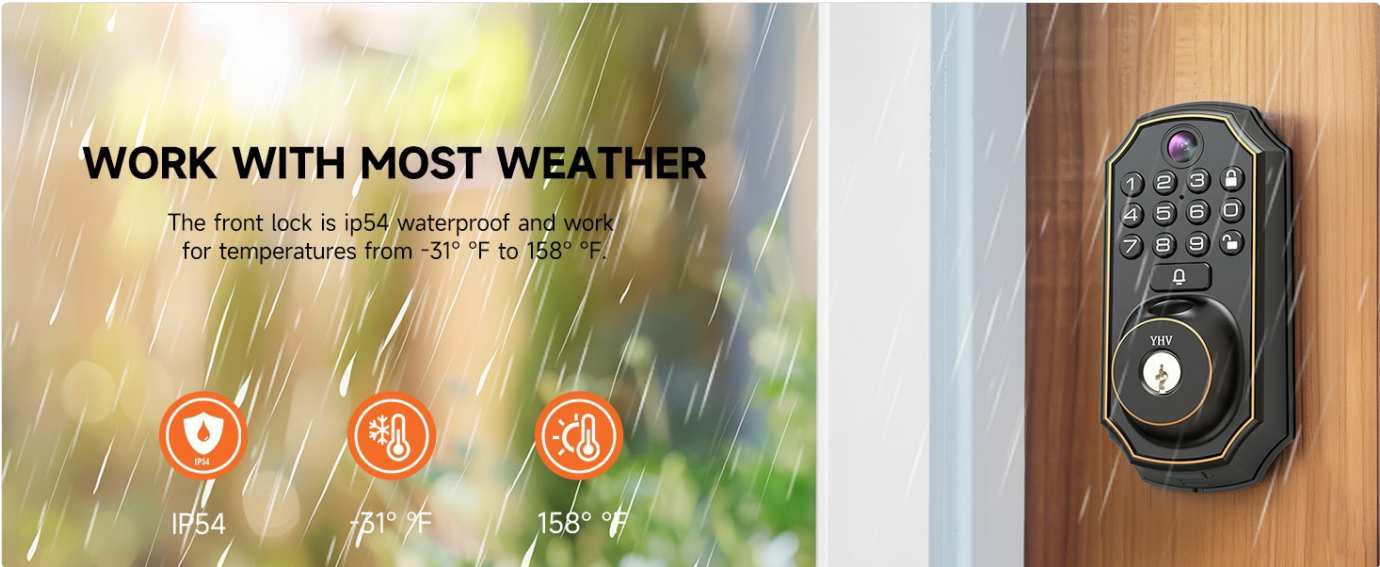


Figure 11: The YHV Smart Door Lock's weather resistance, indicating IP54 rating and operational temperature range.

6. TROUBLESHOOTING

If you encounter issues with your YHV Smart Door Lock, please refer to the following common troubleshooting steps:

- **Lock Not Responding:** Check battery levels. If low, replace batteries or use the emergency Type-C power port.
- **Fingerprint Not Recognized:** Ensure your finger is clean and dry. Re-register your fingerprint if issues persist.
- **Keypad Not Working:** Verify batteries are correctly installed. Try a different unlock method (e.g., key).
- **App Connectivity Issues:** Ensure your phone's Bluetooth is on and connected to a 2.4GHz Wi-Fi network. Restart the app and the lock (by removing and reinserting batteries).
- **Doorbell Not Notifying:** Check app notification settings and ensure the lock is properly connected to Wi-Fi.
- **Auto-Lock Malfunction:** Verify the auto-lock timer settings in the app. Ensure there are no obstructions preventing the deadbolt from extending fully.

For more complex issues, consult the detailed troubleshooting section in the full product manual or contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	YHV
Model Name	CA-01
Lock Type	Biometric, Combination Lock, Deadbolt, Keypad
Material	Stainless Steel, Zinc

Feature	Specification
Color	Black
Item Dimensions (L x W x H)	2.78 x 1.6 x 5.8 inches
Item Weight	2.95 pounds
Special Feature	Auto-Lock
Controller Type	Push Button, SmartThings, Touch
Control Method	Touch
Connectivity Protocol	Bluetooth, Wi-Fi (2.4GHz)
Power Source	4 AA Batteries (not included)
Emergency Power	Type-C Port
Fingerprint Capacity	Up to 50
Password Capacity	Up to 50
Weather Resistance	IP54 (Exterior Unit)
Operating Temperature	-31°F to 158°F (-35°C to 70°C)
UPC	850066337479

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official YHV website. If you require technical assistance, have questions about installation, or need support with product features, please contact YHV customer service through the contact details provided on the product packaging or the official website. Please have your model number (CA-01) and purchase information ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why do the batteries in my YHV L600 smart door lock only last a week?

The YHV CA-01 (which appears to be the model associated with the YHV L600 based on the provided ASIN) smart door lock operates on 4 AA batteries. If your batteries are only lasting a...

[Read full answer](#)

How do I troubleshoot connection issues between my phone and the YHV CA-01 Smart Door Lock using the Tuya app?

To resolve connection issues between your YHV CA-01 Smart Door Lock and your smartphone, please follow these troubleshooting steps based on the manual: Check Wi-Fi Frequency: Ensure your phone is connected to a 2.4GHz Wi-Fi...

[Read full answer](#)