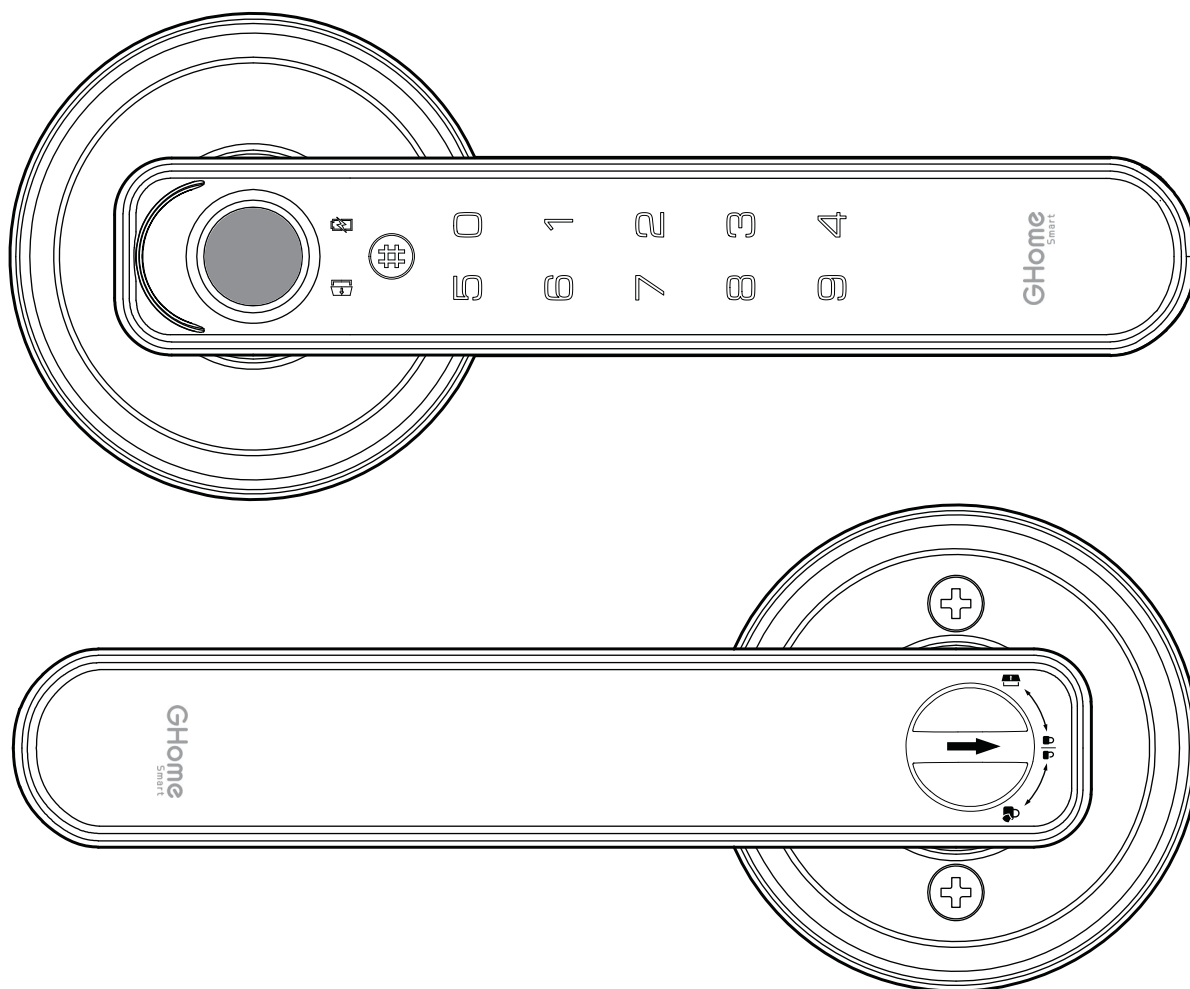
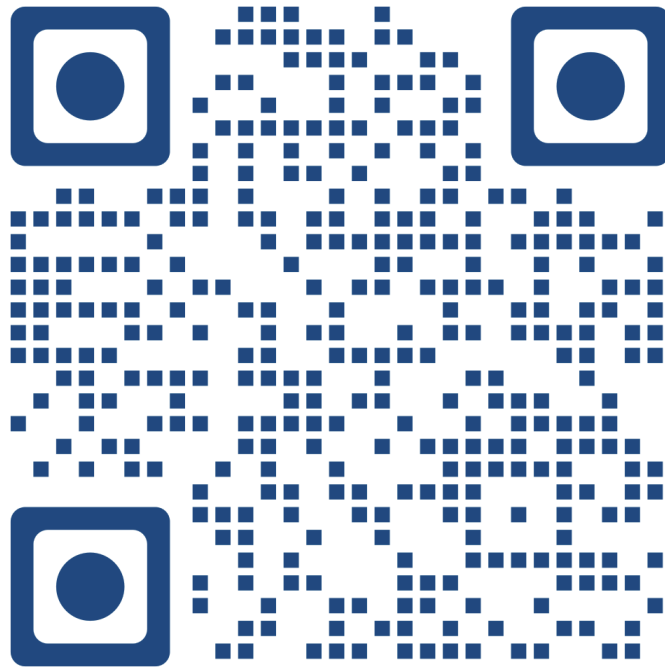




Smart Lever Lock User Manual

KH20

Online Instructions



Scan QR Code for Installation Video

Customer Service

Phone: 1-844-394-5218

Hours: 9:00 AM – 5:00 PM (PST), Monday – Friday

Email: service@ghomesmart.com

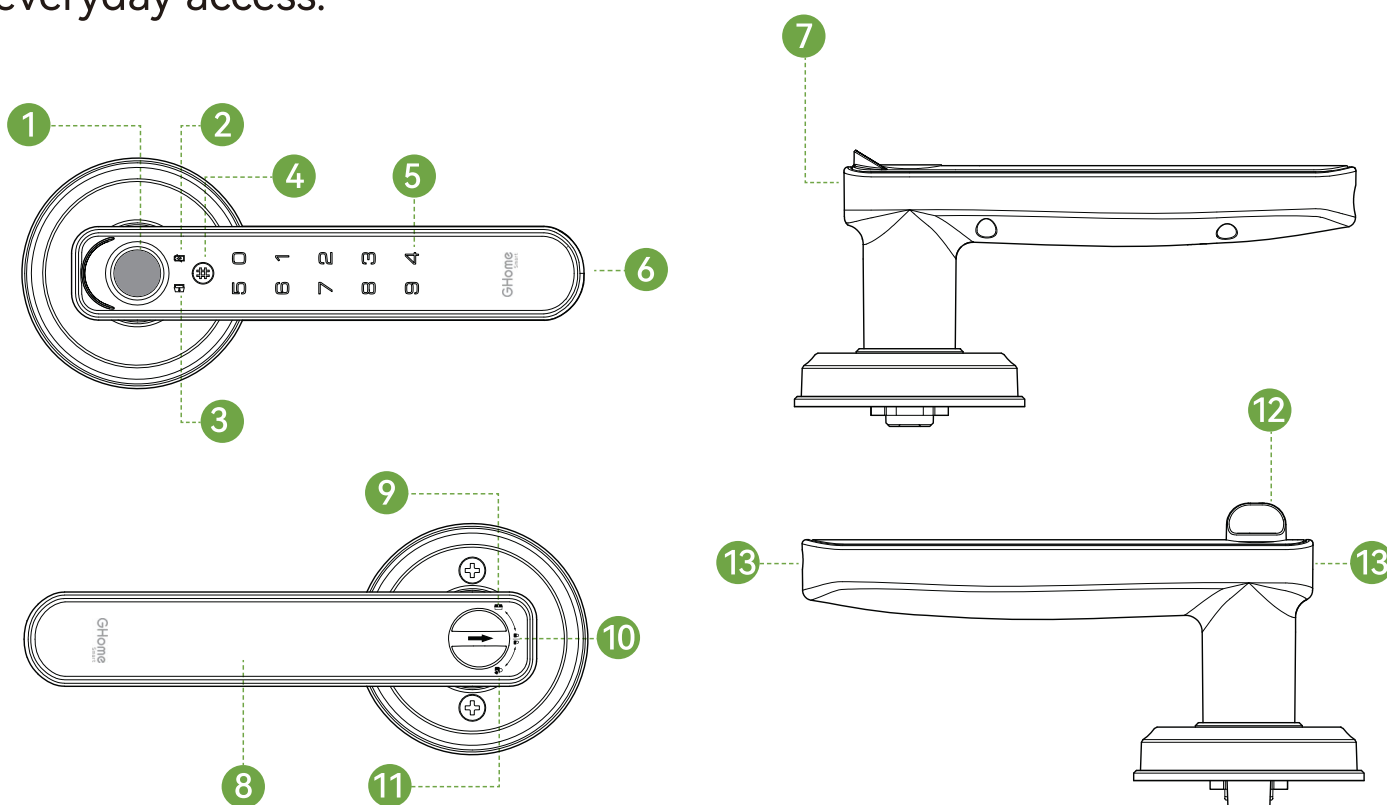
Website: <https://ghomesmart.com>

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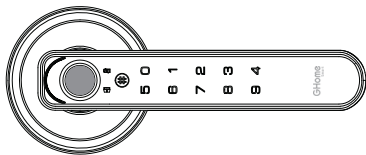
1 / About the Product

The GHome KH20 Smart Lever Lock provides convenient keyless entry for your home. Unlock with your fingerprint, passcode, GHome App via Bluetooth, or a mechanical key. Designed for interior and entry doors, the KH20 offers a simple and reliable way to manage everyday access.

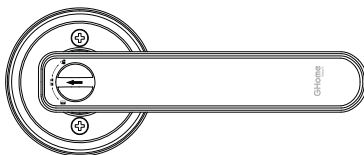


- | | |
|-------------------------|----------------------------------|
| 1 Fingerprint Reader | 8 Battery Compartment |
| 2 Low-Battery Indicator | 9 Passage Mode Indicator |
| 3 Unlock Indicator | 10 Normal Mode Indicator |
| 4 # Key | 11 Privacy Mode Indicator |
| 5 Keypad | 12 Thumb Turn |
| 6 Keyhole | 13 Battery Compartment Screw (C) |
| 7 USB-C Port | |

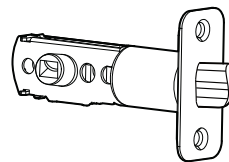
2 / What's in the Box



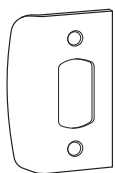
Exterior Handle Assembly*1



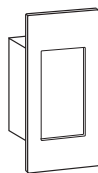
Interior Handle Assembly *1



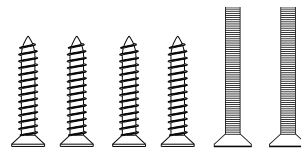
Adjustable Latch *1



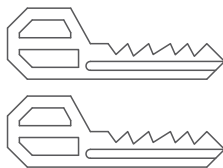
Strike Plate*1



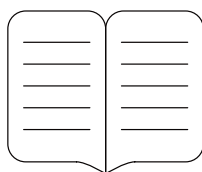
Strike Box*1



Mounting Screws *6
(4 short + 2 long)



Keys *2



User Manual *1

Note:

1. Make sure all parts are included and undamaged before installation. Contact customer support if anything is missing or damaged.
2. **A Phillips screwdriver** is required. A power screwdriver may be used for easier installation.

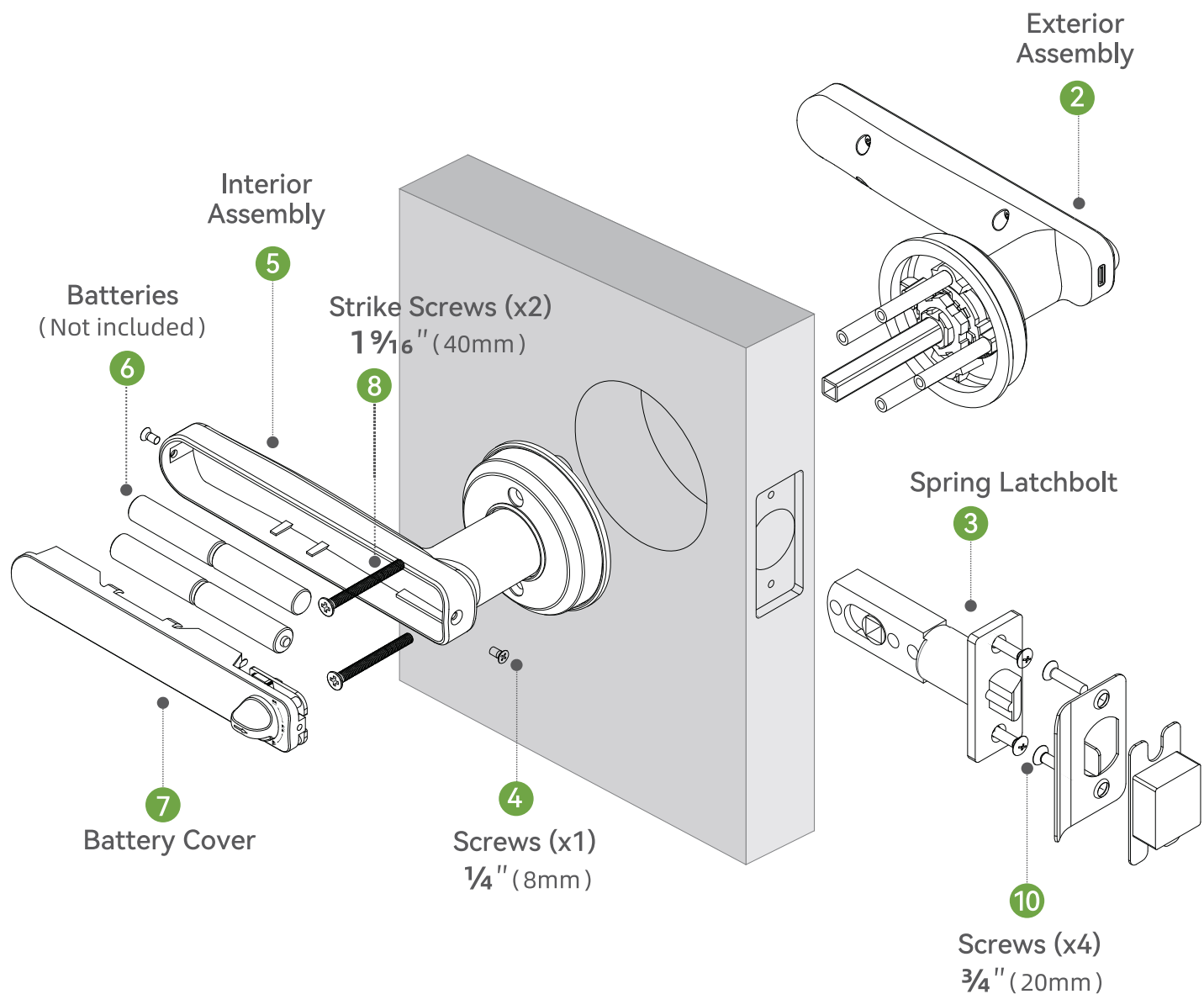


(Not Included)

3 / Specifications

Feature	Specification
Product / Model	Smart Lever Lock / KH20
Access Methods	Fingerprint, password, GHome App/BLE, key
Credential Capacity	50 fingerprints / 50 Passcodes / 2 keys
Password	4-8 digits; anti-peep entry up to 20 digits
Power Supply	4 AAA alkaline batteries (not included)
Emergency Power	USB-C port, 5 V / 2 A
Working Voltage	4.6-6.5 V
Standby / Active	<90 uA / ≤500 mA
Low-Battery Alert	4.8 ± 0.2 V
Operating Temperature	23-131°F (-5-55°C)
Door Thickness	1⅜" to 2⅜" (35-55 mm)
Backset	2⅜" or 2¾" (60/70 mm)
Cross / Edge Bore	2⅛" (55 mm) / 1" (25.4 mm)
Handle / Rosette	6⅝" (168 mm) / 2⅜" (69 mm)
Fingerprint Sensor	96 x 112; recognition ≤1 second
FRR / FAR	≤0.1% / ≤0.01%
Battery Life	Up to 8 months* *Based on 10 unlocks per day at 77°F (25°C). Actual battery life may vary.

4 / How It All Fits Together



 Note:

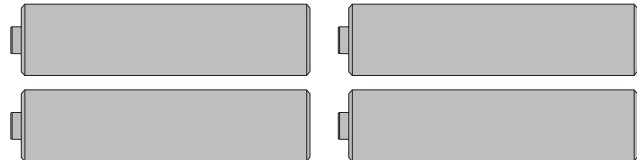
1. Prepare **4 AAA alkaline batteries (not included)**.
2. Do not insert the key into the lock before installation is complete.
3. Use only the supplied components. Do not use screws or fasteners with different lengths.

5 / Installation Instructions

(1) Prepare Batteries First

Prepare four AAA alkaline batteries (not included). For reliable performance and longer battery life, use high-quality batteries from a trusted brand.

4 AAA alkaline batteries
(not included)



(2) Prepare Door & Frame

Before installation, please double-check that your door size is suitable.

Edge Bore Diameter

1" (25.4mm)

Backset

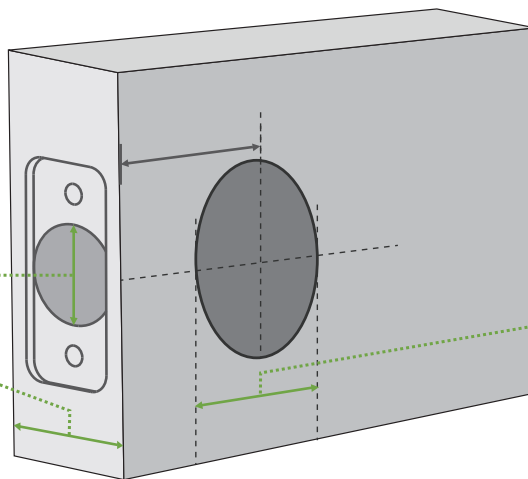
2³/₈" or 2³/₄"
(60mm or 70mm)

Door Thickness

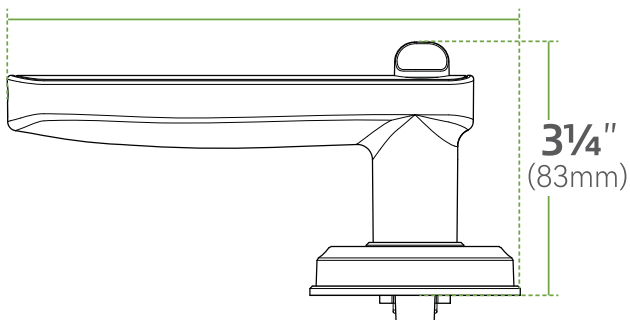
1³/₈" - 2³/₁₆"
(35mm-55mm)

Cross Bore Diameter

2¹/₈" (55mm)

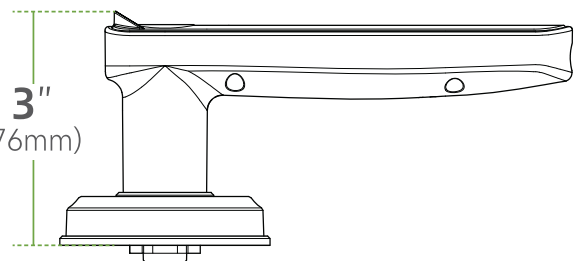


6⁵/₈" (168mm)



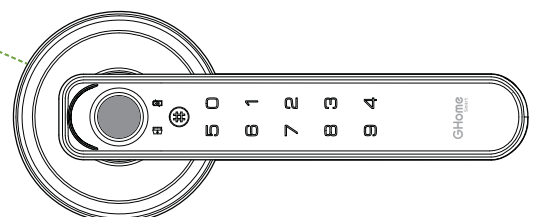
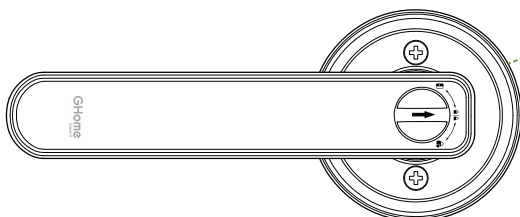
3¹/₄"
(83mm)

3"
(76mm)

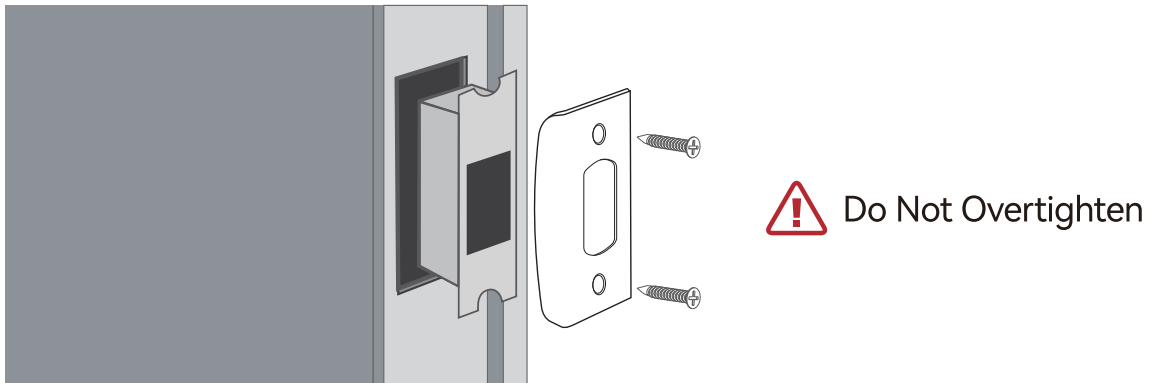


2²³/₃₂"
(69mm)

2²³/₃₂"
(69mm)

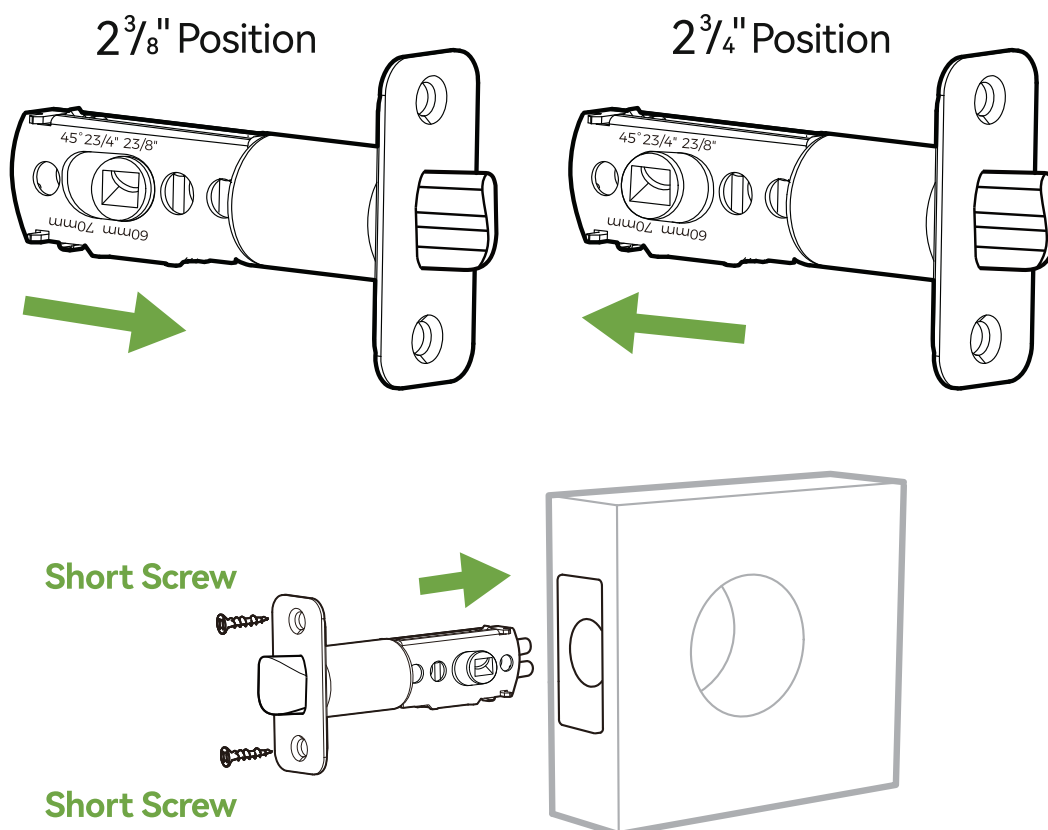


(3) Fix Strike Plate on the Door Frame



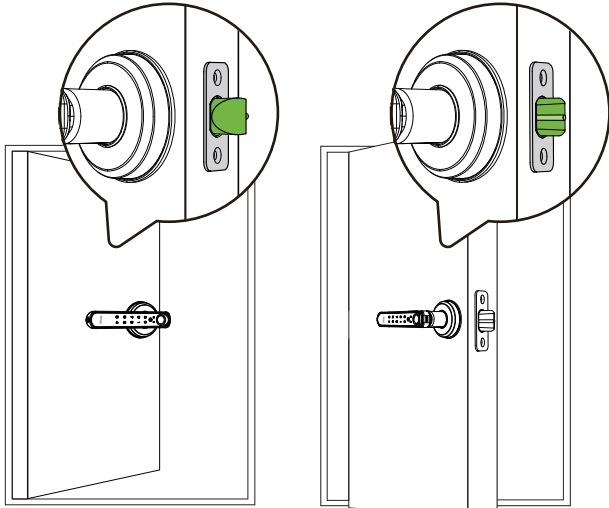
(4) Install Latch and Strike

Use $2\frac{3}{8}$ in (60 mm) or extend the latch to $2\frac{3}{4}$ in (70 mm). Make sure it clicks fully into position.



Make sure the latch is installed to match your door's swing.

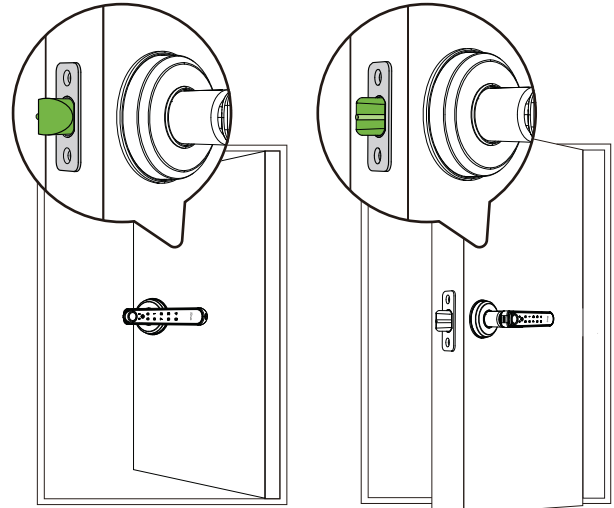
Left Hand



Inswing

Outswing

Right Hand



Inswing

Outswing

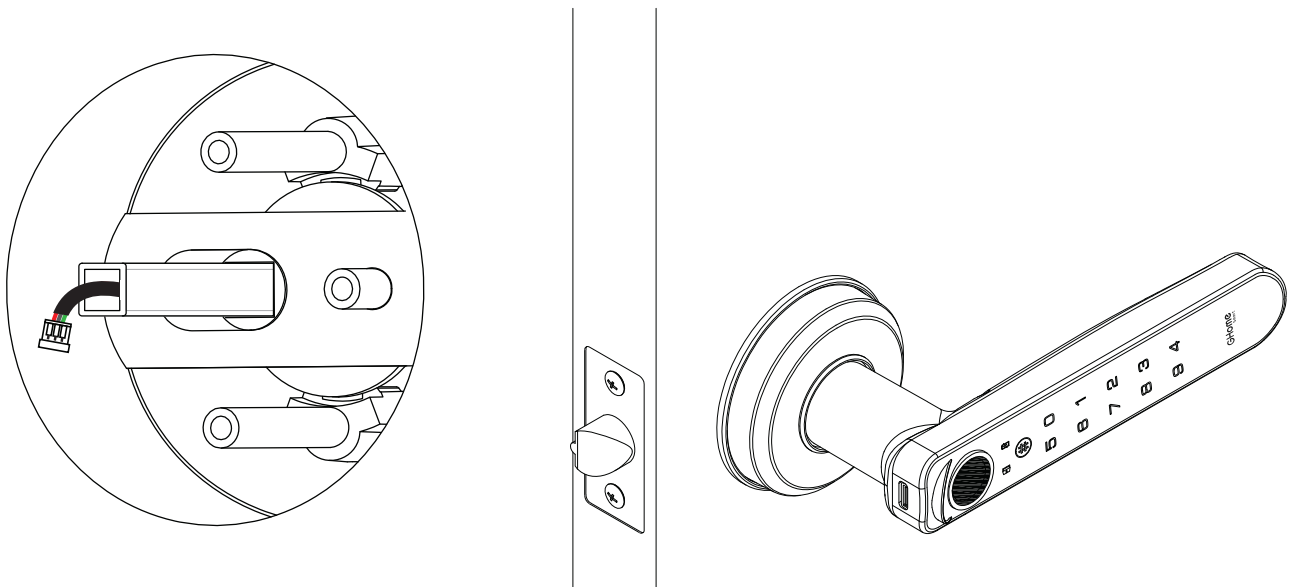
⚠ Make Sure:

- 1) The door and frame are secure and properly aligned.
- 2) The latch bolt is installed correctly, with the beveled side facing the door frame.
- 3) The door closes and locks smoothly without needing to push or pull.
- 4) Any oversized, loose, or misaligned holes are repaired before installation.

(5) Install Exterior Assembly

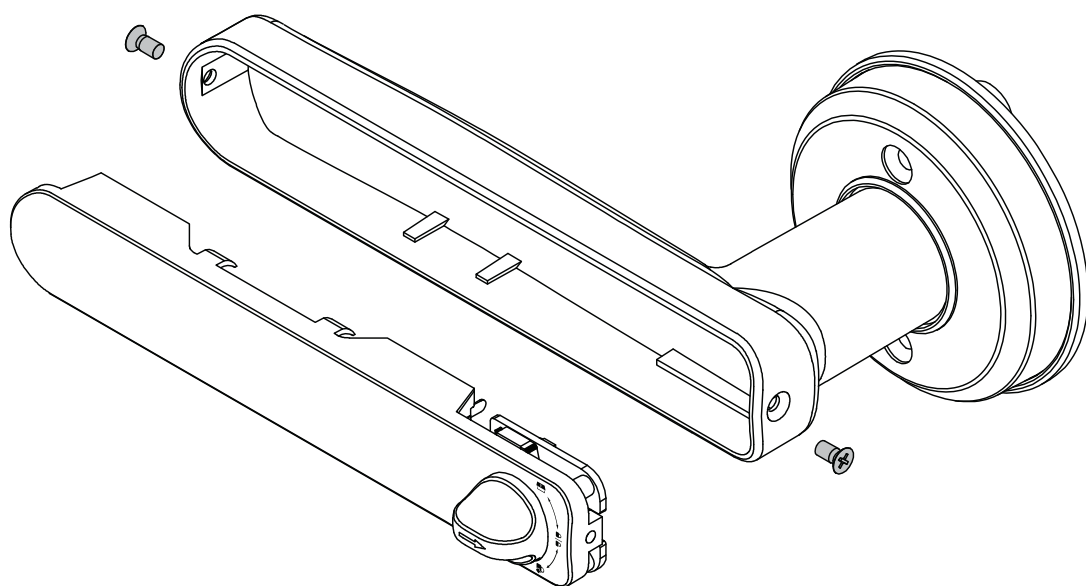
Insert the spindle into the square hole and align the standoffs with the latch holes.

Make sure the outside lever points toward the hinges when the door is closed.

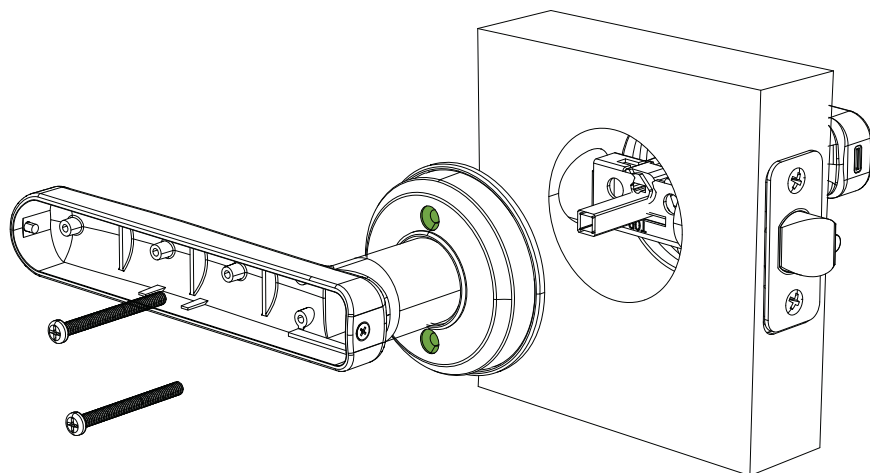


(6) Install Interior Assembly

1. Use a screwdriver to remove the battery cover.

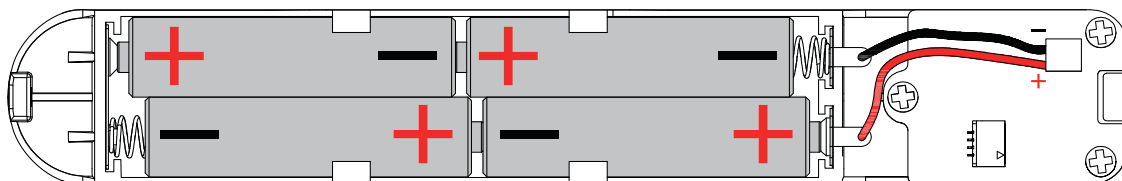


2. Align the upper and lower standoffs with the holes. Insert two long screws and tighten them with a screwdriver to secure the interior assembly.

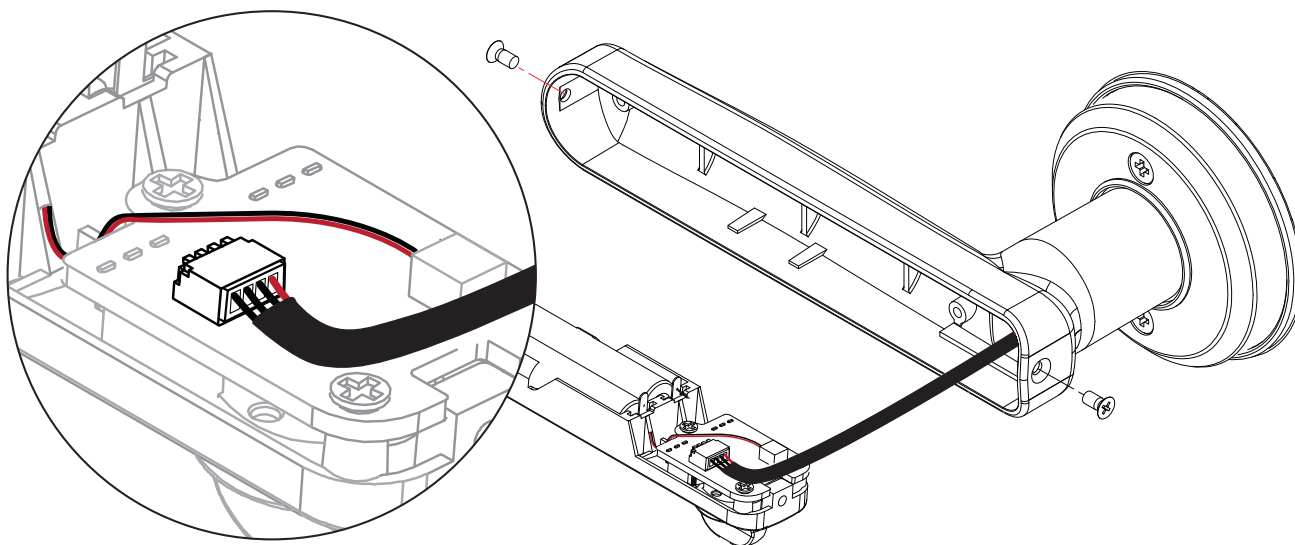


3. Insert four AAA batteries (not included) into the battery compartment, matching the (+) and (-) polarity marks. Do not use rechargeable or lithium batteries.

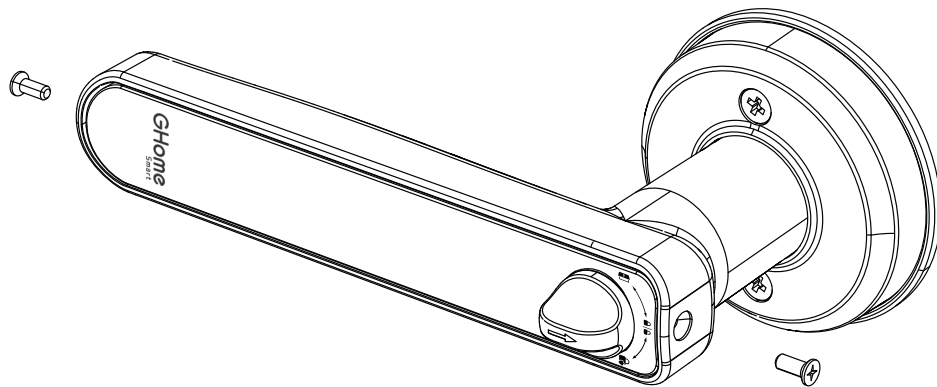
4 AAA Alkaline Batteries



4. Connect the cable plug to the socket.



5. Close the battery cover and tighten two screws to secure it.

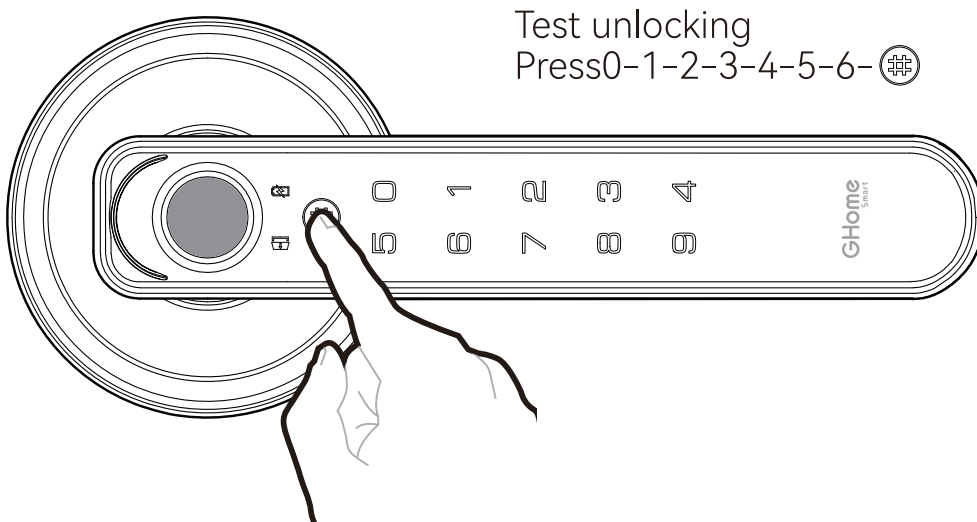


(7) Lock Test and Final Check

Before closing the door, complete the following checks:

1. With the door open, operate both levers and the interior thumb turn. Make sure they move smoothly.
2. Wake up the keypad and enter the default code: 0123456#. Confirm the lock unlocks successfully.
3. Test the mechanical keys. Keep the spare keys in a safe place outside the locked door.
4. Close the door only after the latch, levers, and access codes have passed all checks.

Note: If the lock does not operate smoothly, remove the batteries and check the installation alignment. If the problem continues, please contact customer support.



Test unlocking
Press 0-1-2-3-4-5-6-*

6 / App Setup & Configuration

(1) Reset Your Lock (Optional)

The lock is set to Reset Mode by default. If a reset is not required, skip this step.

1. Turn the knob left from Normal mode to Passage mode five times.
2. Then turn the knob right from Normal mode to Privacy mode five times.
3. A long beep and green indicator light confirm that the reset is complete.

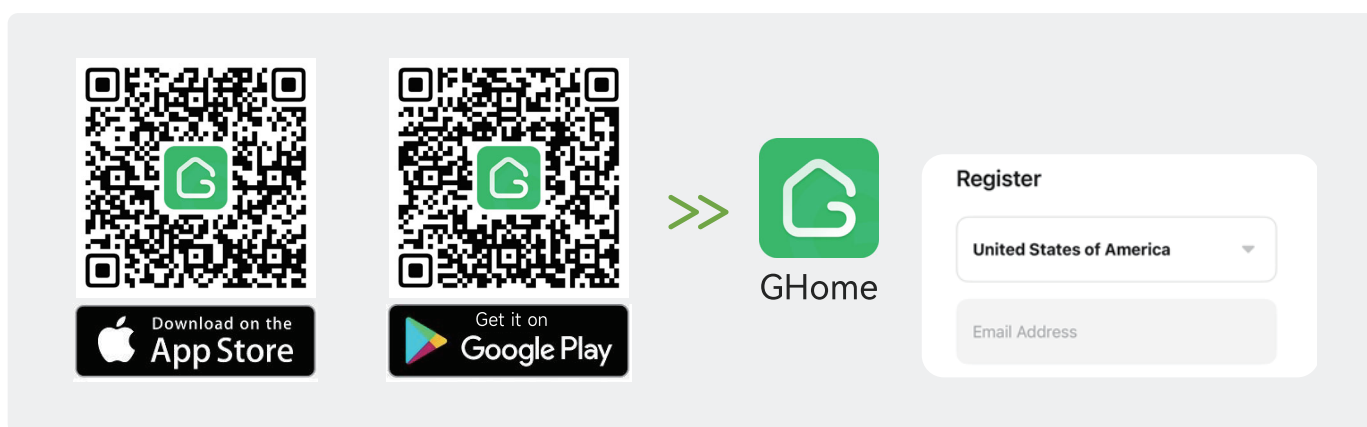


A long beep and indicate the reset is complete.

Note: Factory reset will erase all users, fingerprints, passwords, App pairing, and settings. The default password will be restored to 0123456#. Unregistered fingerprints will not unlock the door.

(2) App Download and Account Creation

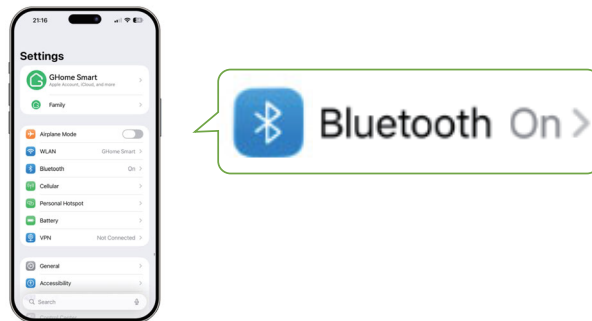
Scan the QR code below, or search **GHome** in the App Store (iOS) or Google Play (Android). Be sure to create an account after installation.



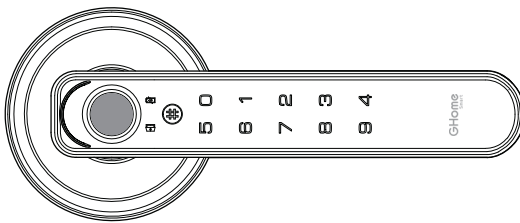
Note: Your phone must run iOS 11+ or Android 6.0+ for a smooth connection.

(3) Pair Your Lock with the GHome App

1 BLE ON: Before connecting, make sure **Bluetooth** is enabled on your phone.



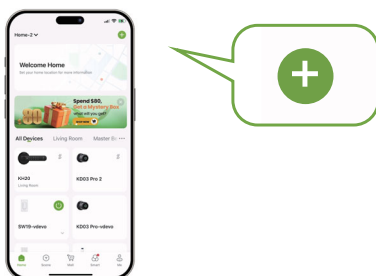
2 Factory Default Check: At this stage, the lock should be in factory default mode. It can only be unlocked with the key or by entering **0123456#** on the keypad.



Tap **0123456#** to unlock



3 Open the GHome App, then tap the [+] icon in the top-right corner to add a new device.



4 Tap your lock, and wait 3-5 seconds for it to pair automatically.



Lock & App Paired

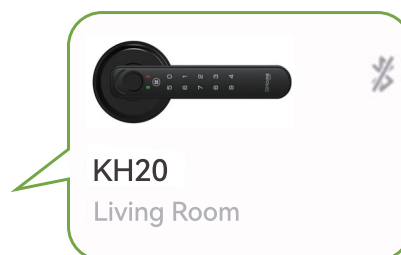
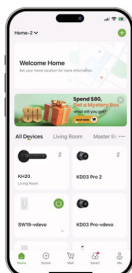
7 / Use Your Smart Lock

(1) Add a Fingerprint or Passcode

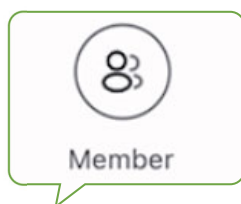
- 1 Open the **GHome** App, go to the Home screen, and tap your lock to enter the device management page.



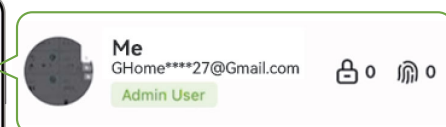
GHome



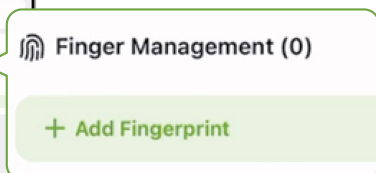
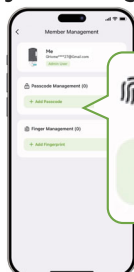
- 2 Tap **Member**



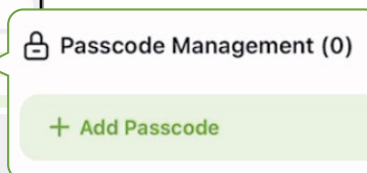
- 3 Tap **[Me]** to open the fingerprint and passcode settings.



- 4 Tap **[+ Add Fingerprint]** and follow the on-screen instructions to add your fingers.

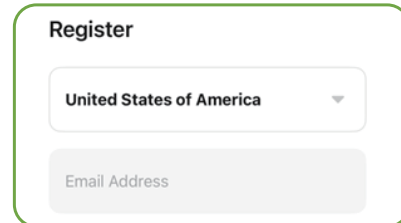


- 5 Tap **[+ Add Passcode]** and follow the prompts to set your passcode.

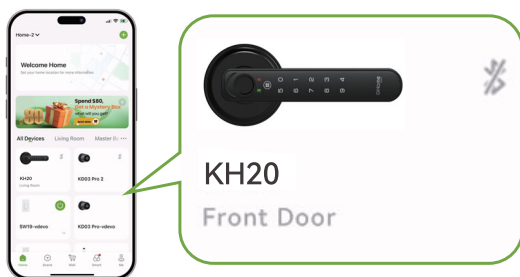


(2) Add a Family Member in the App

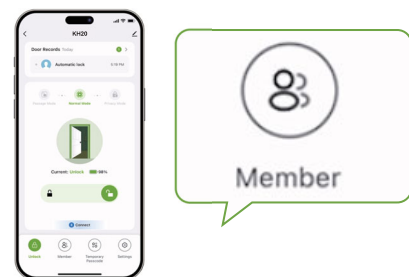
- 1 Ask your family member to **download the GHome App** and **create an account**.

A screenshot of the "Register" form in the GHome app. It includes a dropdown menu for "United States of America" and a text input field for "Email Address".

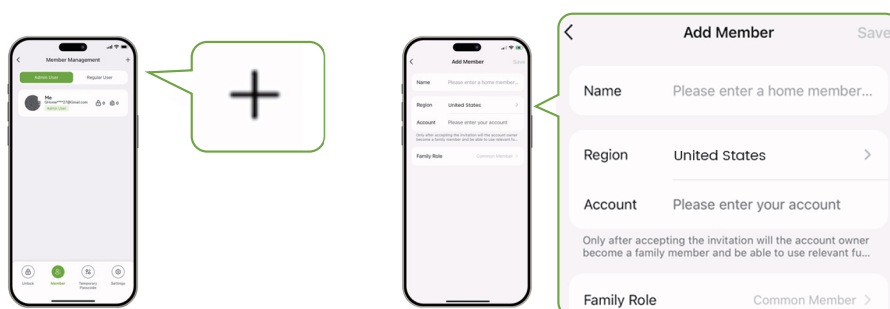
- 2 On your phone, **open the GHome App**, go to the **Home** screen, and **tap your lock** to enter the lock management page.



- 3 Tap **Member**, then select **Admin User** or **Regular User** to add.



- 4 Tap the **[+]** icon in the top right corner, enter the family member's information, and tap **Save**.

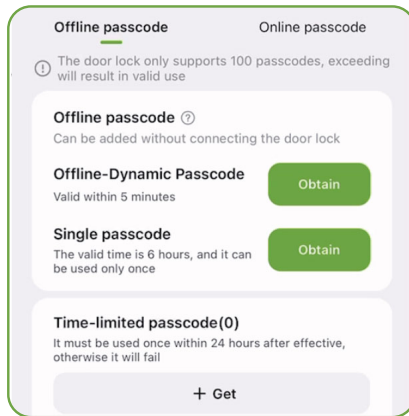


Note:

- 1) Once added, the family member will be able to see this lock and all other devices under the same home.
- 2) All members in the same Home must select the same Region.
- 3) If a member does not have an account, they cannot use the App.
They can only unlock the door with a passcode or fingerprint enrolled by the Admin.

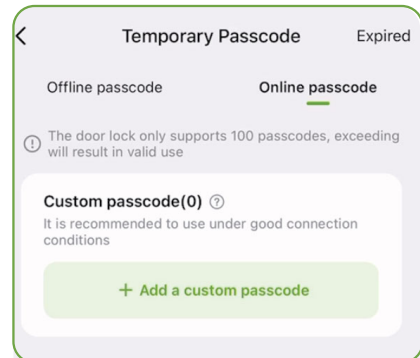
(3) Generate a Temporary Code

When you open the App, the **Temporary Code** screen appears with two options:



Offline Passcode

You can create and use a passcode even when the lock is offline.

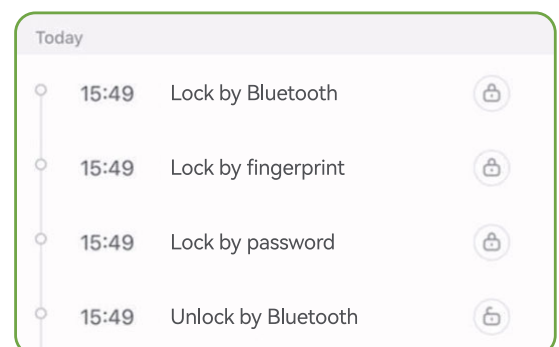
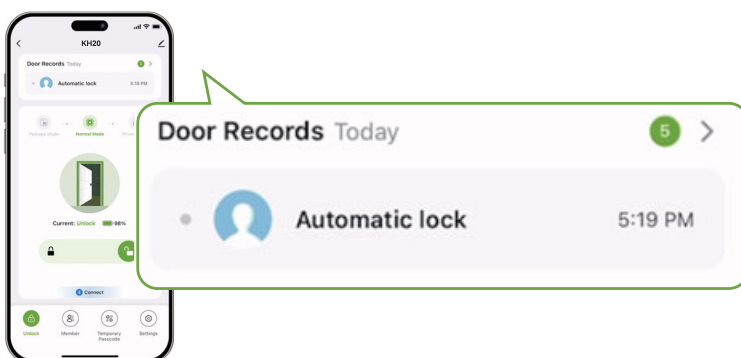


Online Passcode

You can create the code when the lock is connected, and it works both online and offline.

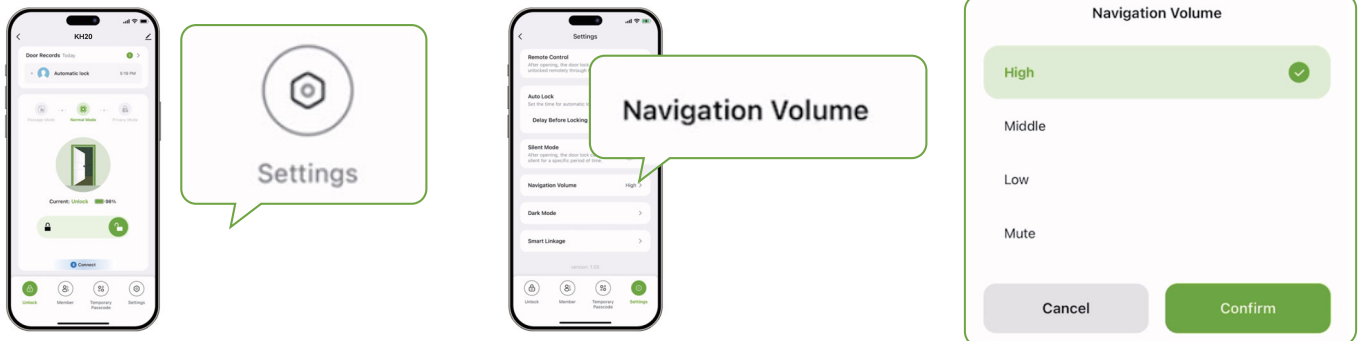
(4) Check Lock History

You can view a detailed log of all locking and unlocking events in the App, helping you keep track of who accessed your door and when.



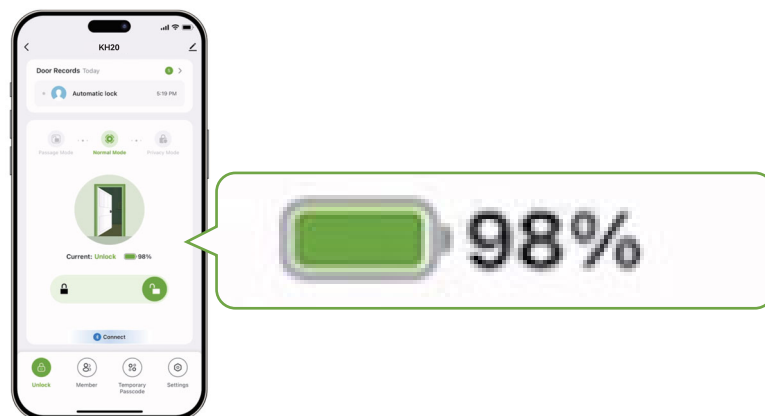
(5) Adjust Voice Volume

You can adjust the lock's voice prompt volume based on your environment or personal preference.



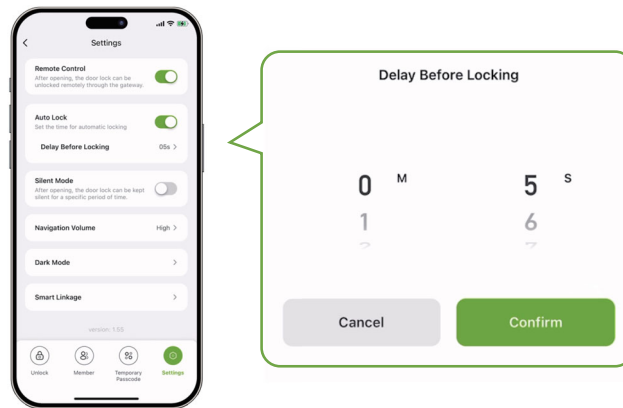
(6) Check Battery Level

Keep an eye on your lock's battery level to ensure smooth operation and avoid unexpected lockouts.



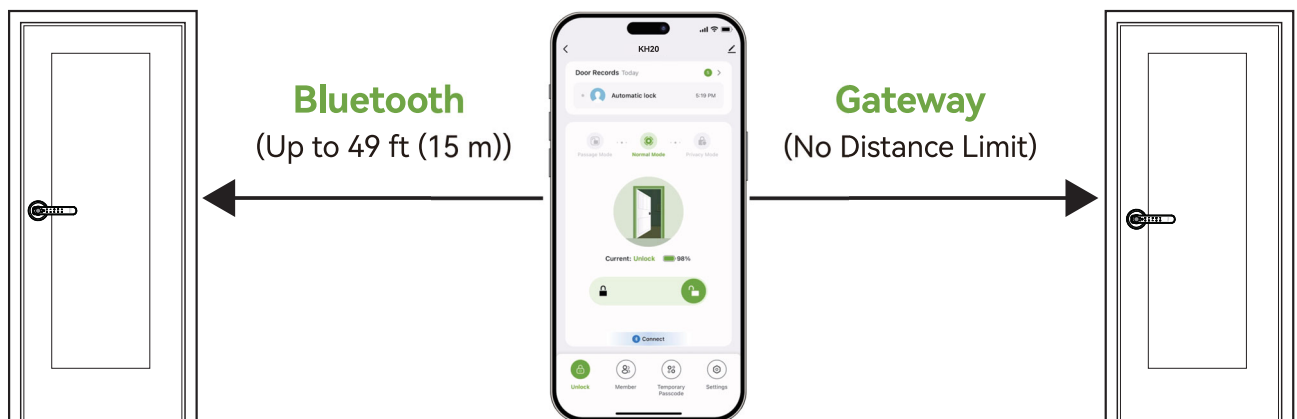
(7) Auto-Lock

By default, the lock will automatically re-lock **after 5 seconds**. And you can customize the auto lock time between **5–1800 seconds**.



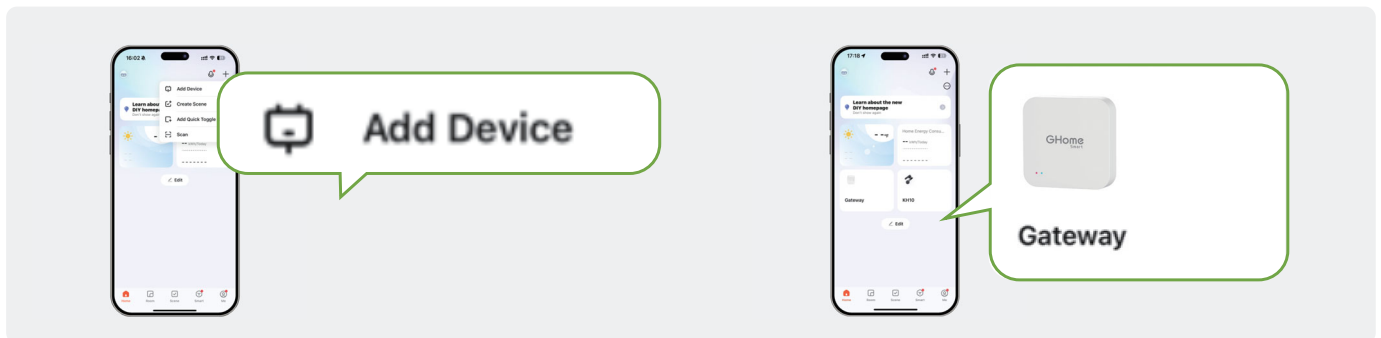
(8) App Unlock

Unlock your door using the mobile App via Bluetooth (up to 15 meters).
To unlock the door remotely beyond this range, a **gateway** is required.



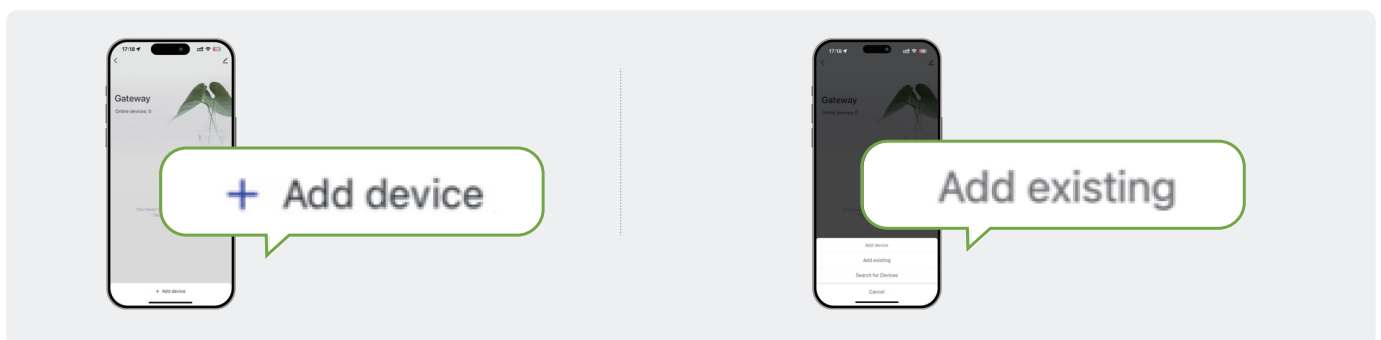
(9) Wi-Fi Bridge Pairing (if required)

If your smart lock requires a Wi-Fi bridge for remote access or third-party integrations (e.g., voice assistants), follow the steps below to pair it:



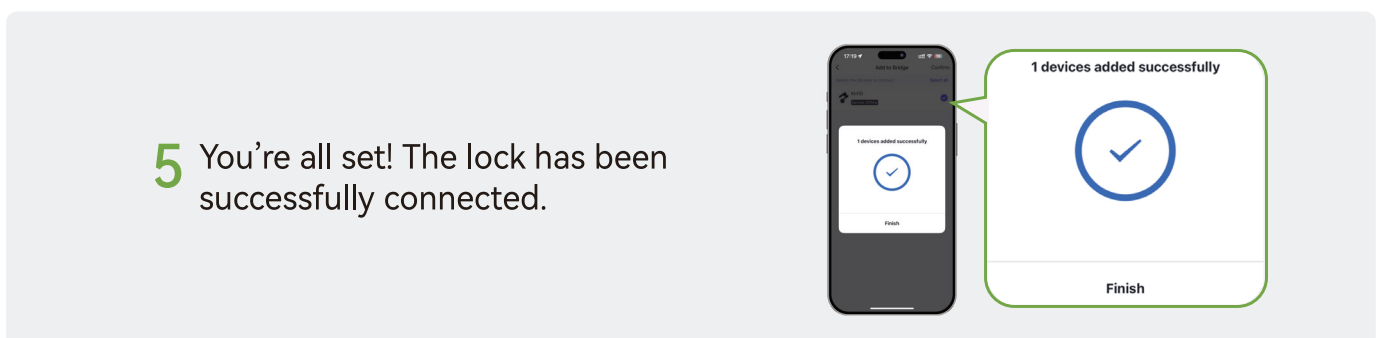
1 Open the App and tap **[Add]** to pair your Smart Lock.

2 Add your **Wi-Fi Gateway** to the App in the same way. (Support 2.4G Wi-Fi Only)



3 Tap on the Gateway and add it to your lock.

4 Tap **[Add existing]** and select your lock from the list.

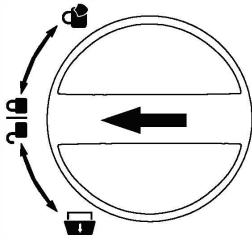


5 You're all set! The lock has been successfully connected.

Note: 1) Once connected, you can control your lock remotely from the App—anytime, anywhere.
2) GHome Smart gateways are available in our store.

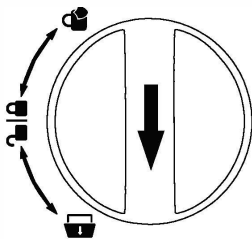
(10) Three Operating Modes

Turn the interior thumb turn to select a mode. Test the lock with the door open after changing modes.



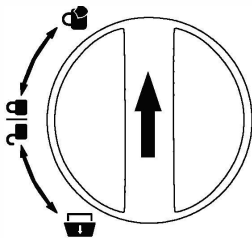
Normal Mode: For daily use

Unlock with fingerprint, password, App/Bluetooth, or key.
Auto-locks after 5 seconds.



Passage Mode: For free access.

No credential is required to open the door.
Auto-lock is disabled.



Privacy Mode: For restricted access.

Only administrator credentials can unlock.
Fingerprint and password access are limited.

Note: The mechanical key works in all modes as an emergency backup.

8 / Battery & Power Management

(1) Battery Type and Life Expectancy

- Please use **4 alkaline AAA batteries** (no rechargeables or carbon/zinc types).
- Battery life: **Up to 8 months** with average use (10 unlocks/day).
- Stick with reputable brands for the best performance.

(2) Low Battery Warning

- When power drops below 4.8V, the lock **beeps** and **flashes red**.
- You'll have about **50 more unlocks**—replace batteries ASAP.

(3) Replacing Batteries

- Use a **Phillips screwdriver** to open the inner cover.
- Check **correct polarity (+/-)** during replacement.
- Remove batteries if unused for **over a year** to prevent leakage.

(4) Emergency Power Options (USB Backup)

- If batteries die, connect a **5V / 2A power bank** to the **Type-C port** to unlock.

 **This is temporary power only — it does NOT charge the batteries.**
Use a **standard (non-fast charging) Type A to C cable**, no data transfer or smart charging.

9 / Maintenance & Safety

- (1) Use a dry, soft cloth to clean the lock surface.
- (2) Do not use water, solvents, or corrosive cleaning agents to avoid damage.
- (3) The device has an IP54 rating, protecting against dust and splashes. Do not install the lock outdoors or in locations exposed to direct rain or heavy moisture to prevent damage.
- (4) Ensure fingers are clean, dry, and free from dirt, oil, or peeling skin when unlocking with fingerprints for accurate recognition.
- (5) Always store the mechanical key outside the door area in a safe place. This is crucial for emergency access or device malfunction.
- (6) If the lock will be unused for an extended period, remove all batteries to prevent leakage and corrosion.
- (7) When new firmware versions are available, you can selectively update your device via the companion App using OTA (Over-the-Air) updates for improved performance and security.

10 / FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

***RF warning for Mobile device:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

11 / Warranty & Support

We offer a 30-day worry-free money-back guarantee and a one-year limited warranty.

If you encounter any issues, please don't hesitate to contact us—we're here to help!

Customer Support

Phone: 1-844-394-5218

Hours: 9:00 AM – 5:00 PM (PST), Monday – Friday

Email: service@ghomesmart.com

Website: <https://ghomesmart.com>

Smart Lever Lock User Manual

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