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## GHome Smart KD10

# GHome Smart Door Lock (Model KD10) Instruction Manual

Your comprehensive guide to setup, operation, and maintenance.

## 1. INTRODUCTION

The GHome Smart Door Lock (Model KD10) offers advanced security and convenience for your home. Featuring innovative palm vein recognition technology, this smart deadbolt provides multiple unlocking methods including app control, voice commands via Alexa, traditional passwords, and physical keys. Designed for ease of use and robust protection, the KD10 ensures your home remains secure and accessible.



Figure 1: GHome Smart Door Lock (Model KD10) with its primary features highlighted.

## 2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present in your package. Refer to the list below and the accompanying image for a visual guide.

- Manual
- Installation Template Card
- Strike Box
- Strike Plate
- Deadbolt
- Exterior Assembly
- Mounting Plate
- Battery (7800mAh rechargeable)
- Keys (x2)
- Mounting Plate Screws (A & D)
- Interior Assembly Screws (B & C)

- Strike Plate Screws
- Silicone Plug



Figure 2: All components included in the GHome Smart Door Lock package.

### 3. BEFORE INSTALLATION

Proper preparation ensures a smooth installation process. Please check your door dimensions and fully charge the battery before proceeding.

#### 3.1 Check Door Dimensions

Use the provided installation template card to verify your door's compatibility with the lock. Ensure the door hole diameter, latch hole diameter, backset distance, and door thickness match the requirements.

**Door Hole Diameter:** 1½" (38mm) or 2⅛" (55mm)

**Latch Hole Diameter:** 1" (25mm)

**Backset Distance:** 2⅜" (60mm) or 2¾" (70mm)

**Door Thickness:** 1⅜"–2⅛" (35mm–54mm)

# Double Check Before Your Purchase

Door Hole Diameter

**1½" or 2½"**  
(38mm or 55mm)

Latch Hole Diameter

**1"** (25mm)

Backset Distance

**2¾" or 2⅜"**  
(60mm or 70mm)

Door Thickness

**1⅜" - 2⅛"**  
(35mm - 54mm)

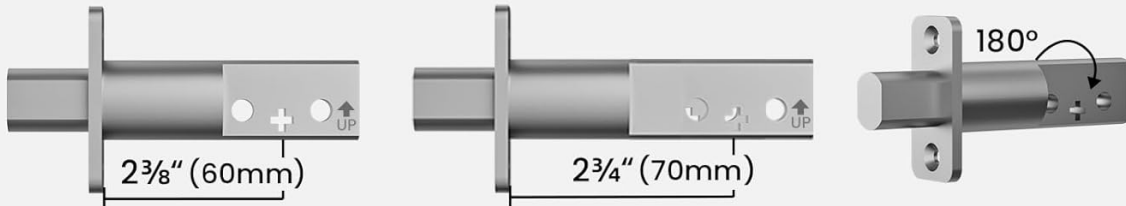
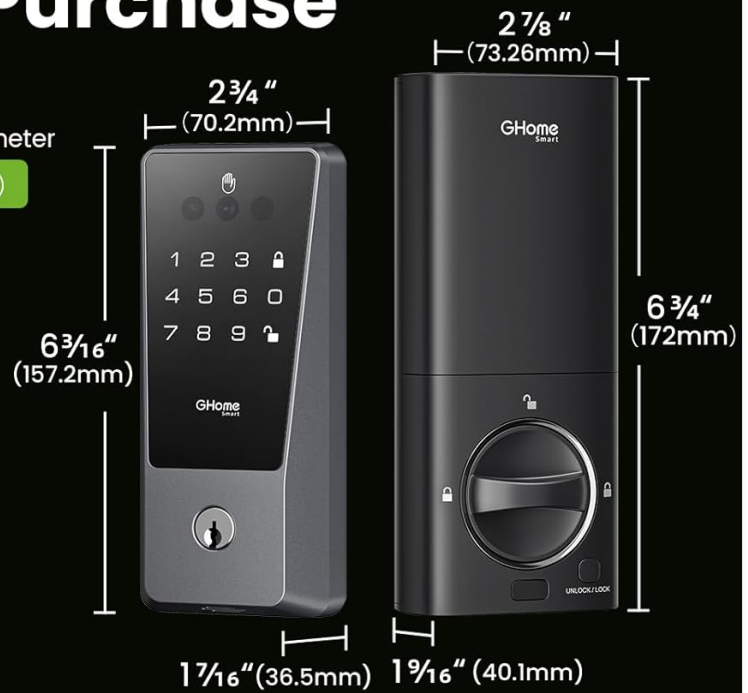


Figure 3: Detailed door measurement requirements for installation.

## 3.2 Fully Charge the Battery

The smart lock is equipped with a 7800mAh rechargeable battery. Fully charge the battery before installation to ensure optimal performance. A full charge typically takes 4-6 hours.

# 5 Unlocking Options

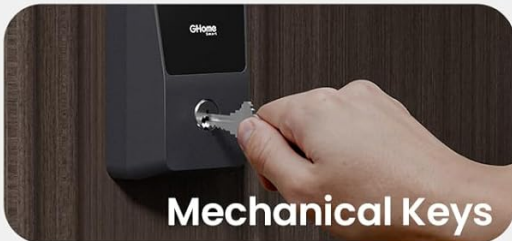
Unlock the Way You Want



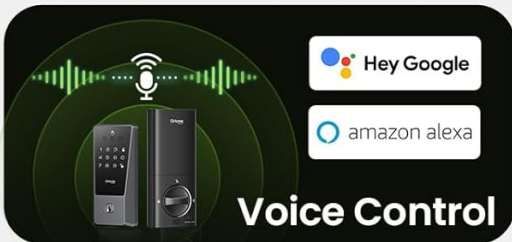
Palm Vein Recognition



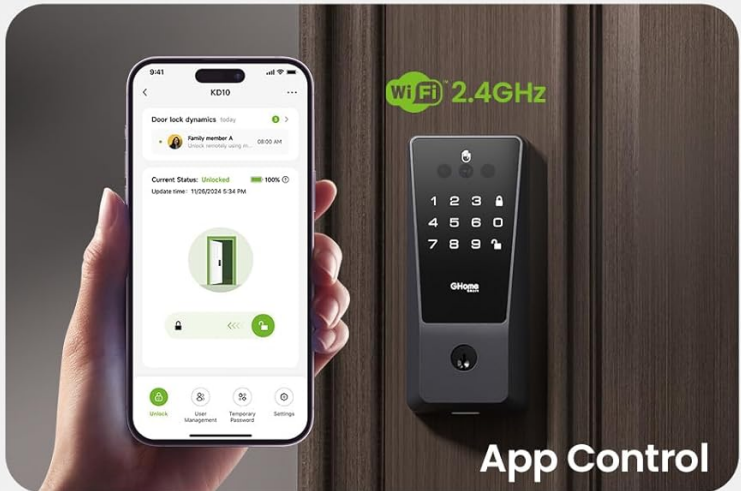
Password Unlock



Mechanical Keys



Voice Control



App Control

Figure 4: The rechargeable battery and its USB-C charging port.

## 4. INSTALLATION GUIDE

Follow these steps carefully to install your GHome Smart Door Lock. A Phillips screwdriver is required.

Your browser does not support the video tag.

Video 1: Detailed installation guide for the GHome Smart Door Lock (KD10).

### 4.1 Adjust Deadbolt Length (If Needed)

If your door's backset is 2 $\frac{3}{4}$ " (70mm), turn the faceplate of the deadbolt 180 degrees to extend its length. For a 2 $\frac{3}{8}$ " (60mm) backset, no adjustment is needed.

### 4.2 Install Deadbolt

Insert the deadbolt into the door. Ensure the torque blade hole is centered in the cross bore and the "UP" arrow is facing upwards. Secure with strike screws.

### 4.3 Install Exterior Assembly

Route the cable from the exterior assembly below the deadbolt. Ensure the deadbolt is in the unlock position and the torque blade is vertically oriented. Carefully align and press the exterior assembly onto the door.

### 4.4 Install Mounting Plate

Attach the mounting plate to the interior side of the door, connecting the cable from the exterior assembly. Secure the mounting plate using the appropriate screws (A or D) based on your door's thickness.

### 4.5 Install Interior Assembly

Connect the wire to the interior assembly. Ensure the thumb turn is in the unlock position. Carefully align and attach the interior assembly to the mounting plate. Secure with screws (B and C).

### 4.6 Check Deadbolt Function

Before installing the battery, turn the thumb turn several times to lock and unlock the deadbolt. Ensure it operates smoothly without any obstruction.

### 4.7 Install the Battery

Insert the fully charged 7800mAh battery into the interior assembly. Close the battery cover.

### 4.8 Restore Factory Settings

To restore factory settings, long press the "SET" button (located inside the battery compartment) until all 7 beep sounds finish. You will then hear a voice prompt: "Press the unlock button to confirm." Follow the voice prompt and press the unlock button on the keypad. The lock will announce "Factory reset succeeded!"

### 4.9 Check Installation Result

Verify that the lock operates correctly. Test the manual lock/unlock function and the unlock/lock button. The auto-lock function should engage after 10 seconds in a closed state.

## 5. SETUP & CONFIGURATION

Configure your GHome Smart Door Lock for optimal smart home integration and personalized access.

### 5.1 Connect to the App

Download the "Gosund" app from your device's app store (iOS 11+ or Android 6.0+). Ensure your phone's Bluetooth is on and connected to a 2.4G WiFi network (5G WiFi is not supported).

1. Search for "Gosund" in your app store to download and install.
2. Sign up for an account.
3. For Bluetooth Auto-Discover Mode: Open the app, tap the top right "+" icon, tap "Add Device". When the device pops up, tap "Add". Select the same 2.4G WiFi as your phone. The flashing red light on the lock indicates it's connecting. Keep the app open for at least 2 minutes.
4. For Wi-Fi Mode (if Bluetooth fails): Tap the top right "Bluetooth" and switch to "Wi-Fi Mode". Confirm the keyboard light is blinking and tap "Next". Select the same 2.4G WiFi as your phone. Tap "Go to connect" to connect your phone to the device's hotspot (starts with "SmartLife-"). Return to the app.

### 5.2 Set Administrator Password

Short press the "SET" button inside the battery compartment. The lock will prompt you to input the administrator

password. For security, this cannot be a simple code like "123456". Set your password and keep it confidential.

### 5.3 Add a Palm Vein ID

Go to the "Member Management" page in the Gosund app. Tap your account under "Admin User", then tap "Palm Vein Management", and finally "Start Adding". Hold your palm 2"-6" (10cm-15cm) away from the palm ID reader, keeping your posture steady. The lock will confirm when the palm vein ID is successfully added.

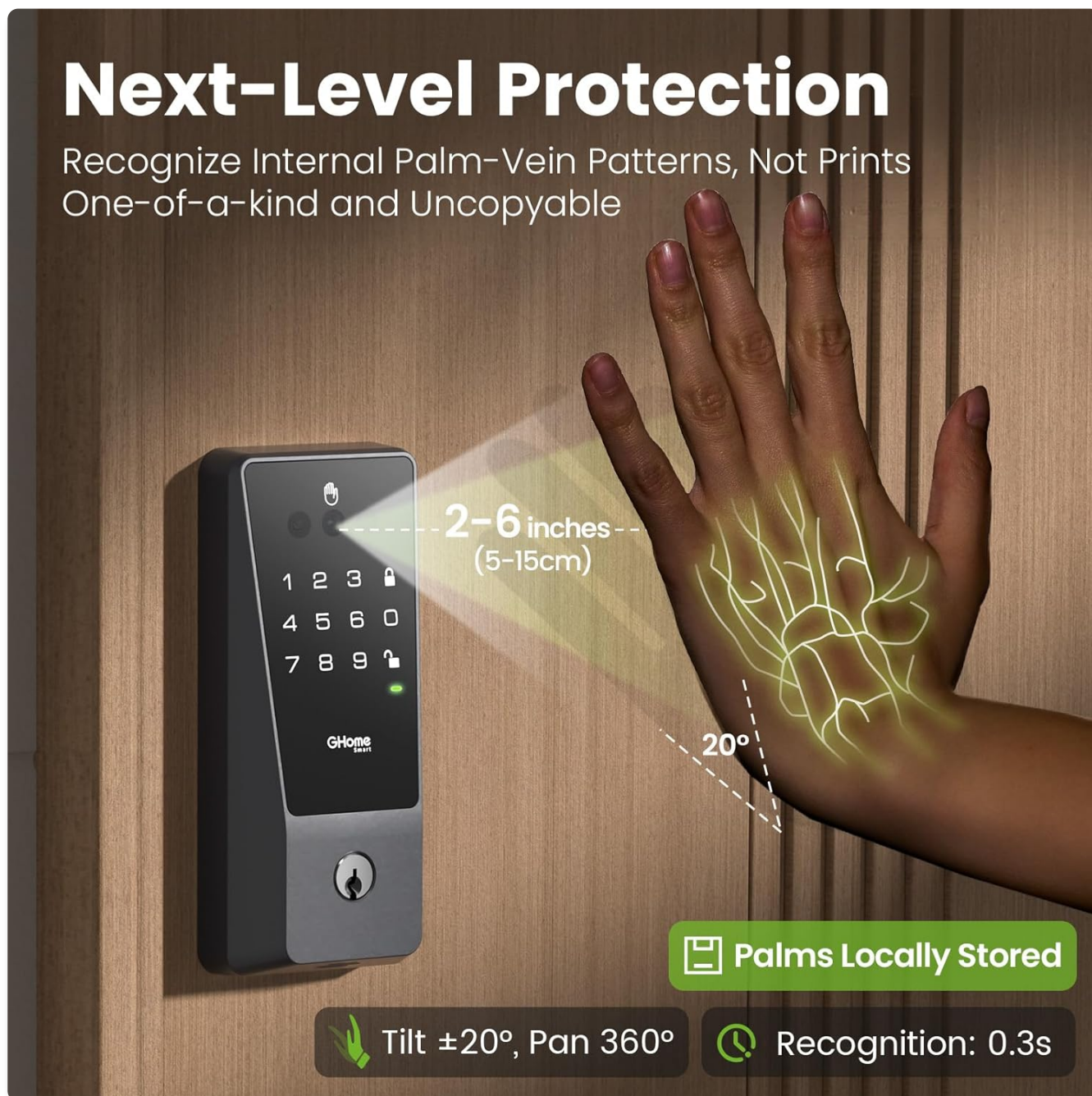


Figure 5: Palm vein recognition in action, offering contactless unlocking.

### 5.4 Add a Password

In the "Member Management" page, tap "Password Management" to add new passwords for users. You can set a 6-8 digit password. The lock also supports anti-peep password protection, allowing you to add random digits before or after your actual code to prevent others from guessing it.

### 5.5 APP Remote Unlock (Via Wi-Fi)

With built-in Wi-Fi, you can remotely control your lock via the Gosund app. This includes real-time notifications, temporary passcodes for guests, and virtual password defense. Simply tap the "Unlock" button in the app to open

your door from anywhere.

## 5.6 Voice Control (Optional Feature)

The GHome Smart Lock is compatible with Amazon Alexa and Google Assistant for convenient voice control.

- **Rename the smart lock:** For better recognition by your smart speaker, rename the smart lock in the Gosund app (e.g., "Front Door").
- **Connect the Gosund app with Alexa:** Open the Gosund App, go to the "Me" page, tap the Alexa icon, then "Link to Amazon Alexa", and finally "Link".
- **Set a voice code for the smart lock in Alexa:** Open the Alexa app, tap "Devices", find your smart lock (e.g., "Front Door"), and tap on it. Tap the settings gear icon in the top right corner. Turn on the "Enable Unlock" button under the "Unlock by Voice and Echo Hub" section, then enter your voice code.
- **Voice Unlock:** Once set up, you can simply say, "Alexa, unlock the Front Door" and provide your voice code when prompted.

### Weather-Ready Performance

Designed to operate from **-4°F (-20°C) to 140°F (60°C)** and humidity levels of **10%-85%**, non-condensing. The **IP54** rating protects the lock from dust and water splashes.



Figure 6: Voice control integration with Amazon Alexa.

## 6. OPERATING INSTRUCTIONS

Understand the various ways to operate your GHome Smart Door Lock for daily convenience and enhanced security.

### 6.1 Unlocking Methods

- **Palm Vein Recognition:** Simply wave your palm near the lock's sensor (2-6 inches away) for quick, contactless unlocking. This method is highly secure as it recognizes unique vein patterns, not surface prints, making it suitable for all ages and conditions (dry, wet, dirty hands).
- **Password Unlock:** Enter your preset 6-8 digit password on the keypad. Utilize the anti-peep feature by adding random digits before or after your actual code.
- **APP Remote Unlock:** Use the Gosund app to unlock your door remotely from anywhere with an internet connection.
- **Mechanical Key Unlock:** For traditional access or in case of power failure, use the physical backup keys provided.
- **Voice Control Unlock:** Use voice commands via Amazon Alexa or Google Assistant (requires prior setup and voice code).

# Anti-Hijacking Alerts

Alert Your Family in Case of a Break-In



Password Anti-Hijacking

Palm Vein Anti-Hijacking

eg.

-  **Right Palm:**  
Normal unlock
-  **Left Palm:**  
As a safety trigger

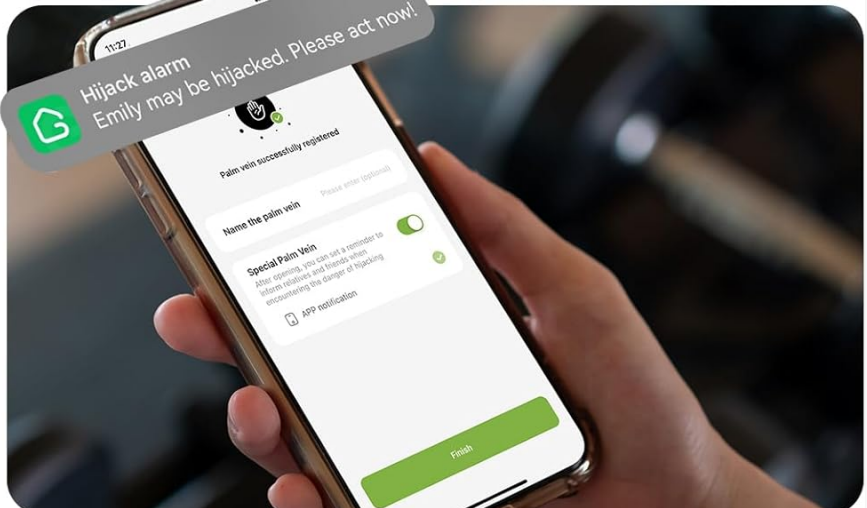


Figure 7: The five versatile unlocking options for the KD10 smart lock.

## 6.2 Auto-Lock Function

The lock features an adjustable auto-lock function, which can be set via the app to automatically lock the door after a specified delay (5-1800 seconds) once it's closed. This ensures your home is always secure.

## 6.3 Anti-Hijacking Alerts

For enhanced safety, the lock includes an anti-hijacking alarm. You can set a specific palm vein pattern or password as a safety trigger. In an emergency, using this designated unlock method will send an instant alert to your family members via the app, providing a discreet way to signal distress.

# 8 Months of Lasting Power

Our Battery Life:

 8Months

Others:

 6Months



\*Based on 10 unlocks per day and may vary depending on specific factors.

Figure 8: The anti-hijacking alert system for emergency situations.

## 6.4 Security Check with Logs

The Gosund app maintains a detailed log of all lock activity, including unlock events, alarm records, and ID adjustments. This allows you to quickly review entry logs to spot any unusual or unauthorized access, ensuring you're always in control of your home's security.

## 6.5 Personalized Access

Manage access for up to 50 palm vein IDs and 50 password users (1 admin + 49 regulars) through your app. This feature is ideal for families, guests, and service providers, allowing you to grant and revoke access as needed.

## 7. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your GHome Smart Door Lock.

### 7.1 Battery Life and Charging

The 7800mAh rechargeable battery provides approximately 8 months of power with an average of 10 unlocks per day. When the battery level drops below 20%, the lock will provide audio alerts, flash red lights, and send instant app notifications. Recharge the battery fully (4-6 hours) within 7 days of notification to keep your lock running smoothly. A USB-C port is available for emergency power if the battery is completely depleted.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter with your GHome Smart Door Lock.

### 8.1 Weather Performance

The KD10 smart lock is designed to operate reliably in various weather conditions, from -4°F (-20°C) to 140°F (60°C) and humidity levels of 10%-85% (non-condensing). Its IP54 rating protects against dust and water splashes, ensuring functionality even in challenging environments.

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Video 2: Low-temperature testing of the KD10 Palm Vein Smart Lock, demonstrating its durability in extreme cold.

### 8.2 Recognition Issues

- **Palm Vein Recognition Failure:** Ensure your palm is held within the recommended distance (2-6 inches) and angle. The technology recognizes vein patterns beneath the skin, so surface conditions (dryness, dirt) should not affect it. If issues persist, try re-registering your palm ID.
- **Keypad Unresponsive:** Check the battery level. If the battery is low, the keypad may become unresponsive. Recharge the battery.

### 8.3 Connectivity Problems

- **App Connection Failure:** Ensure your Wi-Fi network is 2.4G (5G is not supported). Verify your phone's Bluetooth is enabled. If initial connection fails, try the Wi-Fi networking mode as described in Section 5.1.
- **Remote Access Issues:** Confirm your home Wi-Fi network is stable and the lock is within range of your router.

## 9. SPECIFICATIONS

| Feature           | Detail   |
|-------------------|--|
| Brand             | GHome Smart  |
| Model Name        | KD10   |
| Lock Type         | Deadbolt   |
| Special Feature   | Palm Vein Recognition Smart Lock   |
| Unlocking Methods | Palm Vein, APP Control, Voice Control (Alexa/Google Assistant), Password, Keys |
| Connectivity      | Built-in Wi-Fi (2.4G only), Bluetooth  |
| Battery           | 7800mAh Rechargeable Lithium Battery   |
| Battery Life      | Approx. 8 months (based on 10 unlocks/day)                                     |

|                        |                               |
|------------------------|-------------------------------|
| Emergency Power        | USB-C Port                    |
| Material               | Zinc                          |
| Color                  | Black                         |
| Dimensions (L x W x H) | 8.74 x 8.46 x 4.41 inches     |
| Item Weight            | 3.61 pounds                   |
| Operating Temperature  | -4°F to 140°F (-20°C to 60°C) |
| Humidity               | 10%-85% (non-condensing)      |
| IP Rating              | IP54                          |

## 10. WARRANTY & SUPPORT

GHome Smart is committed to providing high-quality products and excellent customer service. For any issues encountered during installation, setup, or operation, please contact GHome Smart customer support. Refer to your product packaging or the official GHome Smart website for specific warranty details and contact information. For further assistance, visit the [GHome Smart Store on Amazon](#).