

2025

X Gen 1 Smart Lock Tastemanual



FEOLEY

Version number V1.0.3

Suzhou Fanxi Technology Co., Ltd.

Table of contents

one.	Basic Information.....	1
1.1	Product Introduction.....	1
1.2	Scene Illustration.....	1
1.3	Structural Introduction.....	2
two.	Specifications Description.....	3
2.1	Basic Parameters.....	3
2.2	Hardware Parameters.....	3
2.3	Environmental Parameters.....	4
three.	Installation and configuration.....	4
3.1	Preparatory Work.....	5
3.2	Door Lock Installation.....	5
3.3	Battery Installation.....	7
3.4	Application Installation.....	8
3.5	Basic Operations.....	9
Four.	Function Description.....	9
4.1	Firmware Matrix.....	10
4.2	Application of Matrices.....	10
five.	Manufacturer Information.....	11
six.	Warranty Policy.....	11

I. Basic Information

1.1 Product Introduction

The FEOCEY X smart lock is designed specifically for American DeadBolt door locks. It does not require dismantling the original structure; simply replace the indoor thumb wheel and connect the adapter to achieve a smart upgrade. It supports near-field Bluetooth and Wi-Fi remote control. **With Magic** The series of keyboards can be unlocked with passwords and touch.

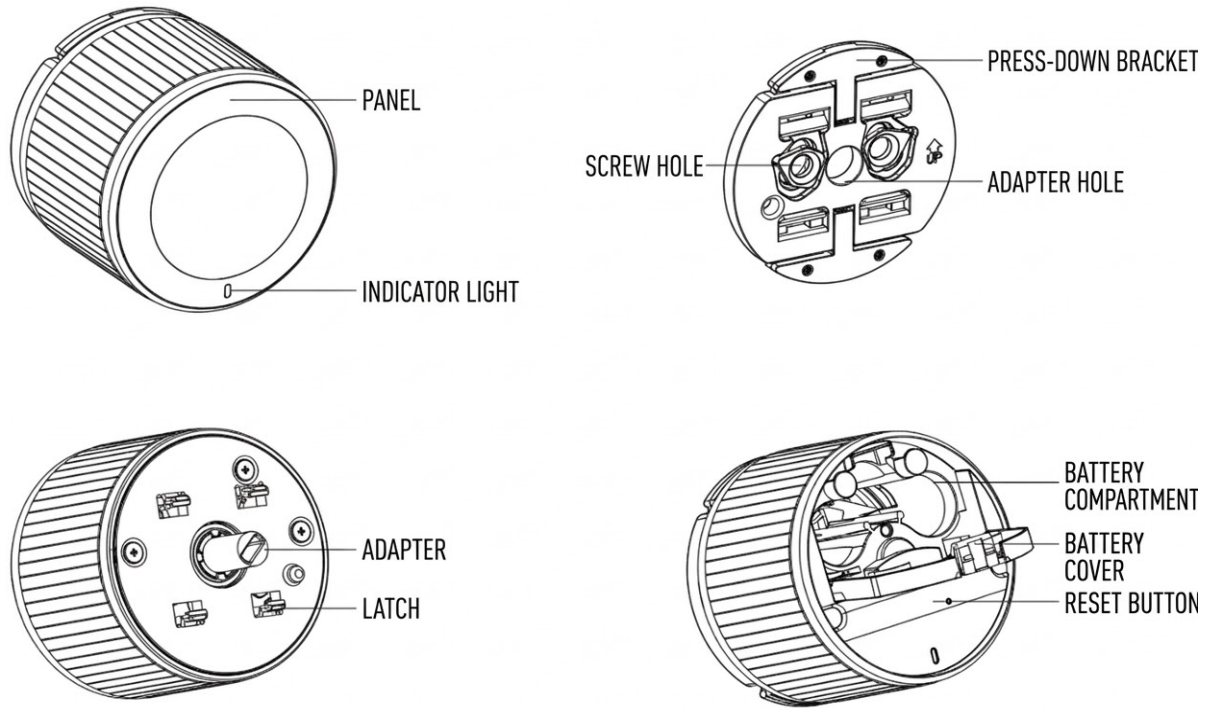
The product's built-in gyroscope system monitors the door's position in real time and sends alarm notifications in case of abnormalities. Its unique mechanical structure ensures smooth operation even during power outages, guaranteeing safety. Combined with a lightweight design and intelligent sleep technology, it boasts a battery life of over six months. Furthermore, the product seamlessly integrates with Amazon Alexa, providing a safe, convenient, and stable user experience.

1.2 Scene Illustration



1.3 Structural Introduction

As shown in the upper left front view, it includes a green indicator light and a magnetic top cover. With the cover open, as shown in the lower right image, the internal battery compartment and reset button slot are visible. The battery compartment can hold three CR123A lithium batteries. As shown in the lower left bottom view, the bottom of the lock body contains four mounting latches and an adapter connector for securing it to the mounting backplate shown in the upper right image.



II. Specifications

2.1 Basic Parameters

project	describe	Remark
Installation method	Replacement of the inner thumb wheel	Disassembly and replacement completed within minutes
Target audience	Individual users such as families and apartments	none
indicator lights	1 green LED bead	none
Unlocking methods	Password (requires keyboardBluetooth, Wi-Fi	The key can also be used in an emergency. unlock
Adaptor lock body	DEADBOLT	Standard American Standard Door Lock
Color scheme	Available in silver or black	Color customization is supported.
size	70 * 50.25 MM	Diameter * Height
Material	Aluminum alloys and engineering plastics	Lightweight, high strength, and corrosion resistant
Product weight	The bare unit weighs approximately 230 grams.	none
Surface treatment	Anodizing process	Corrosion resistant, wear resistant, and colorfast
Service life	motor	≥ 100,000 times
Secure encryption	External authentication, SSL, AES-128	Financial-grade encryption
Ecological cooperation	Work with Alexa	Cross-ecosystem collaboration, supporting API opening Open, supports third-party interface and integration.
Number of whitelisted items	300 password whitelist	
Structural design	Anti-jamming design	When an abnormal state or malfunction occurs, i.e. Even the elderly and children can easily twist it. Unlock the door to reduce security risks

2.2 Hardware Parameters

project	describe	Remark
---------	----------	--------

processor	low power processor	-
sensor	Gyroscope, phototube, etc.	Supports angle memory, partial cover alarm, Low battery alarm, etc., and continuous monitoring. No additional information is needed regarding the door's open/closed status. Door magnetic stickers make door frames simpler. clean
Real-time clock	support	Record the unlock time and generate accurate Passage data
Power supply method	3 CR123A batteries	Achieve an ultra-long battery life of 6-8 months.
Bluetooth	Bluetooth LE 5.3, Bluetooth LE 1Mbps, 2Mbps, Long Range S2 (500Kbps), S8 (125Kbps), 2.4Ghz	Supports Bluetooth credentials and can also achieve Offline unlocking in environments without internet access is possible. To connect three devices simultaneously
WI-FI	Wi-Fi 2.4GHz, IEEE 802.11b/g/n, 20 MHz channel	Ultra-low power chip with powerful performance Connection security, network coverage Increase by 20%-30%
motor	Hollow cup	none
Torque	3.5 kg·cm or above	High driving force to prevent false locks
Operating voltage	9V	none
speaker	1W speaker	Supports custom voice

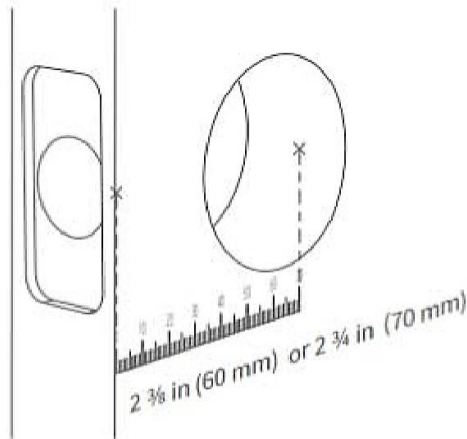
2.3 Environmental Parameters

project	describe	Remark
Operating temperature	- 20°C-60°C	Supports wide temperature range operation
Storage temperature	- 30°C-70°C	none
Dustproof and waterproof	IP54	It prevents most dust and is able to resist.. Protects against splashes from any direction and reduces the risk of water damage. Lock body malfunction caused by environmental factors risk
Electrostatic protection	Contact voltage 4KV, air voltage 15KV	Prevent static electricity and damage from high-intensity magnets. This equipment.
Salt spray	≥ 96 hours	Good corrosion resistance, long-lasting use Shiny as new
Environmental certification	RoHS Reach CP65	Compliance with mainstream international environmental regulations Seeking safety, non-toxicity, and harmlessness to the human body. Environmentally friendly
Electrical certification	FCC	none
Protocol Authentication	BQB	none

III. Installation and Configuration

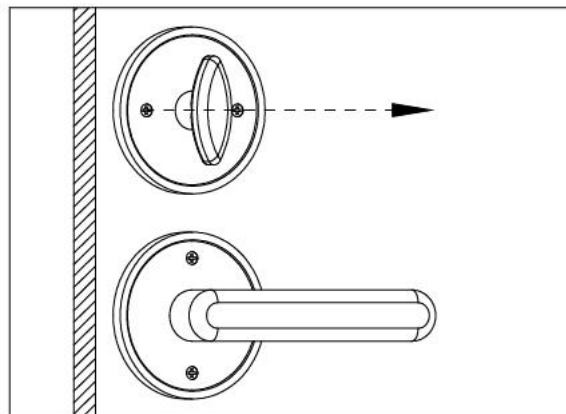
3.1 Preparatory work

This smart lock supports standard deadbolt installation, meaning users must manually unlock or lock the latch using a key or by turning a thumbwheel mechanism on the inside of the door. This type of lock is commonly installed at building entrances to ensure building security. Before proceeding, the relevant installation dimensions of the door need to be measured to ensure it meets the product's installation requirements. Specifically, the distance from the edge of the door to the center of the latch hole should be within 2...¾ in or 2 ¾ in. In addition, you will need to prepare a standard flathead screwdriver.

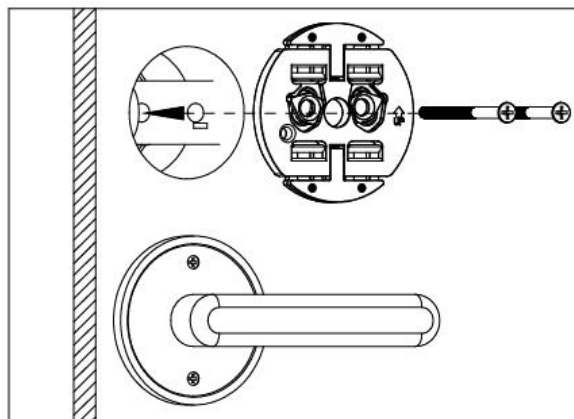


3.2 Door lock installation

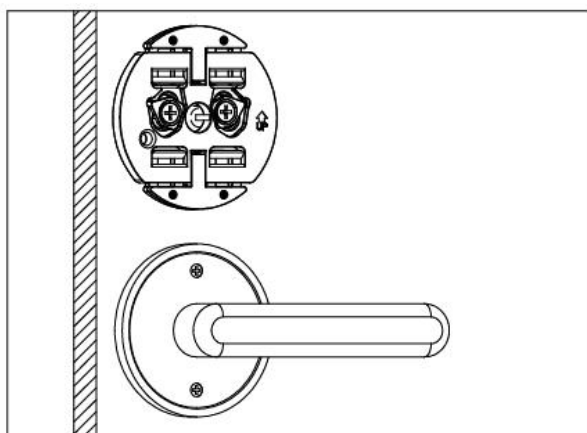
(1) First, turn the thumb wheel mechanism to put the latch in the unlocked position. Then, remove the screws from the existing thumb wheel and remove the original thumb wheel mechanism. If there is an additional backplate, please remove it as well.



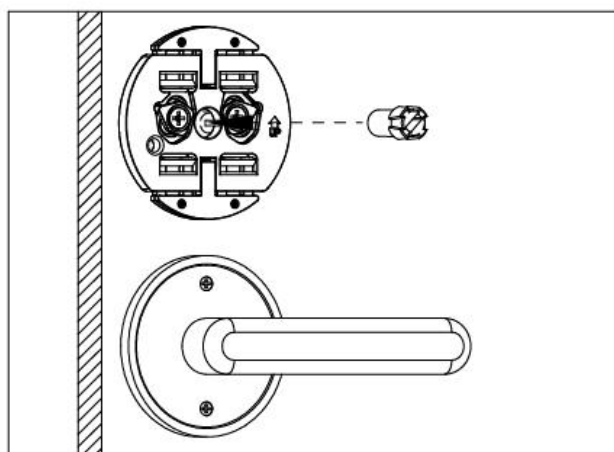
(2) Take out the attached mounting bracket and fix it in place as shown by the arrow UP in the diagram.



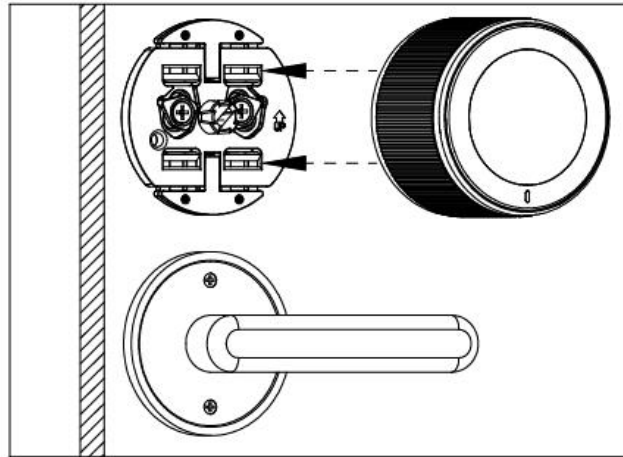
(3) Tighten two M5X65 screws until the back panel is firmly fixed to the door. The bracket installation is complete.



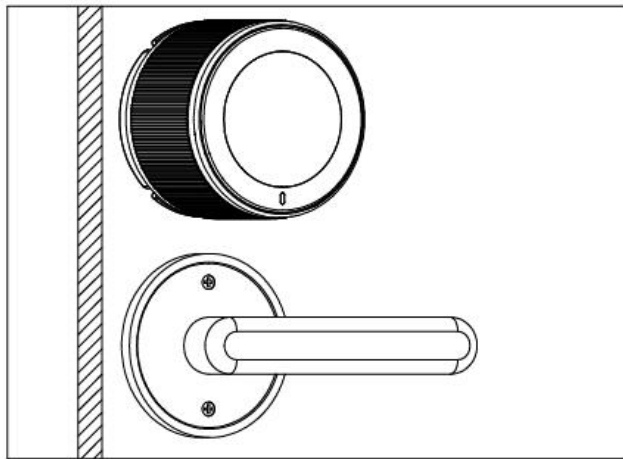
(4) Select a suitable adapter and install it at the end of the lock cylinder. The end with the cross protrusion should face upwards and be inserted into the lock cylinder position as shown in the diagram.



(5) With the lock body indicator light at the bottom, align the bottom slot of the lock body with the adapter and slowly press it onto the back plate.

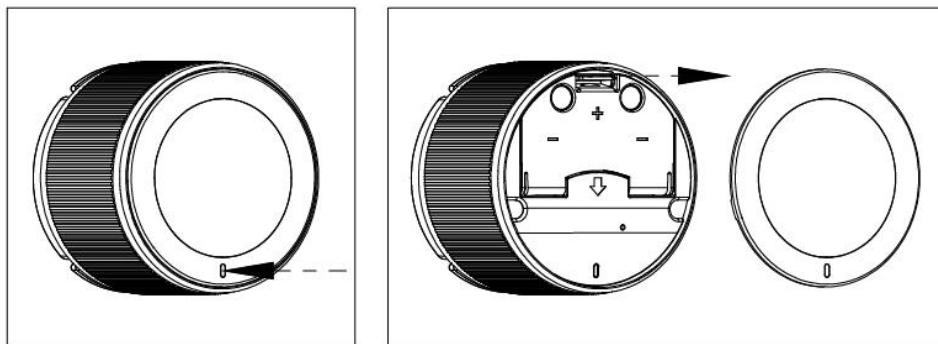


(5) At this point, the lock body is installed. Please try turning it clockwise or counterclockwise to see if it works properly.

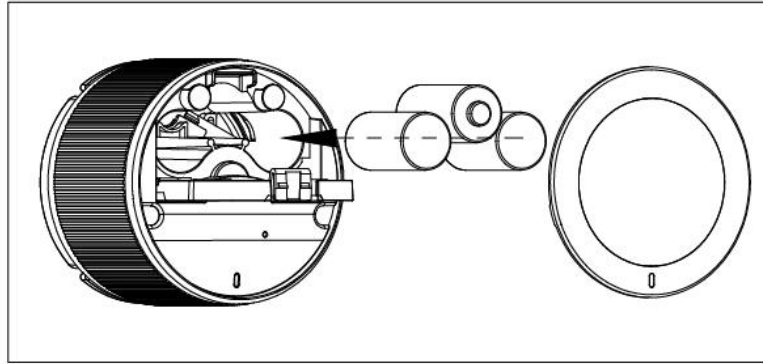


3.3 Battery Installation

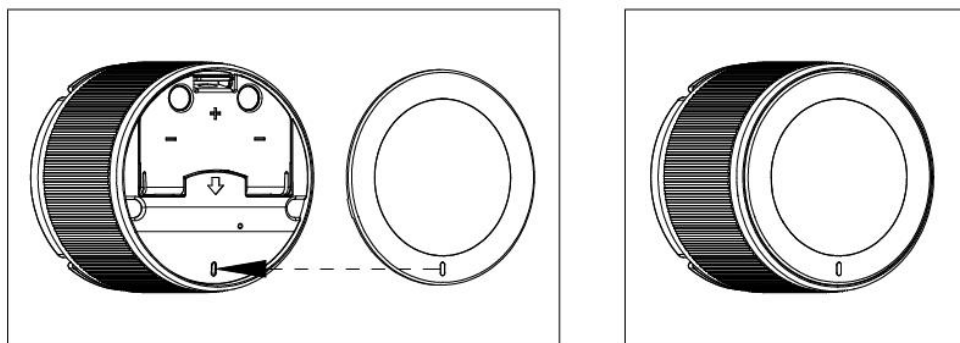
(1) Press the indicator light position gently with your finger. The magnetic lock cover above will pop up. Take off the lock cover and open the battery cover according to the position indicated by the arrow.



(2) Install 3 CR123A batteries according to the diagram for positive and negative terminals.



(3) After the battery is installed, press to close the battery compartment cover and place the indicator light into the magnetic cover by aligning it with the light-transmitting hole at the bottom.



3.4 Application Installation

Before using the product, you will need a smartphone or tablet that supports Wi-Fi networks, specifically iOS and Android operating systems. Please ensure that your smart device can connect via Bluetooth and that the connected wireless network is stable and reliable. Finally, please check that the smart lock is properly installed and the batteries are correctly installed.

Note: It is recommended to use original batteries or other reliable brand 3V CR123A lithium manganese batteries to avoid battery leakage or damage to the product. Also, please replace the batteries promptly when the power is low; otherwise, the FEOCEY app will not be able to control the door lock or automatically unlock it after the power is depleted.

You can scan the following QR code. Alternatively, search for and download FEOCEY Home on Google Play or the iPhone App Store. app.



Apple Store



Google Play

3.5 Basic Operations

After downloading and installing the FEOCEY application, you can follow the steps below to complete account registration, family creation or joining, device binding, initial calibration, and network configuration. (For detailed steps, please refer to the Feocey home APP user guide.)

(1) Account registration and login:

- Open the FEOCEY HOME APP, click the "CREATE AN ACCOUNT" button, and check the relevant privacy agreement to enter the account creation interface. You will need to fill in your name, email address, and password. The password must contain uppercase and lowercase letters, numbers, and special characters, and must be at least 8 characters long.
- After you have entered the information, the system will send a verification email to your registered email address containing a six-digit verification code. You will need to enter this code into the designated field in the email verification window and click Continue.

(2) Family registration or joining:

- If you are the head of a household, you can directly click the "SET UP A NEW DEVICE" button to bind the device. If you are a family member, you can click the "Join in" button to join a household already created by someone else. If someone sends you an invitation via your email address, you should see the invitation information in the message icon in the upper left corner, and you can choose to accept or decline. You can also manually enter the invitation code sent to your email address in the "Join in" interface to join a designated household.

(3) Device pairing:

- In the previous step, if you are the homeowner, you can click the "SET UP A NEW DEVICE" button to bind the device and create a new home. Before doing so, you need to turn on your phone's Bluetooth.
- You can add a device by scanning the product's QR code or manually entering the device's serial number. If the serial number is verified, your application will automatically scan the device and attempt to bind it.
- Next, you can set the name of your house and give the added device an alias, such as FRONT Door. If everything goes smoothly, you will find that the lock has been successfully linked to your account.

(4) Initial calibration:

- Upon first use, the door lock needs to be calibrated to record the opening, closing, and unlocking positions. The app includes corresponding diagrams to guide your operation.
- Broadly speaking, the process can be divided into four steps. First, close the door and click Continue. Second, lock the door completely. Third, manually unlock the door. Fourth, open the door. You have now completed the calibration process.

(5) Equipment network distribution:

- To meet your needs for remote operation and viewing of your smart lock, you can configure a wireless network for your smart lock in the settings interface to enable remote unlocking/locking, access log viewing, and password issuance. Open the settings interface, locate the smart lock you added in the Device Settings section, and click to enter the detailed settings menu.
- Select the "Connect To Wi-Fi Network" option and enter the Wi-Fi name and password for your door lock. Note that you need to connect to a 2.4 GHz network. Click the "Save" button, and the device will attempt to connect to the network.

IV. Functional Description

4.1 Firmware Matrix

Module	describe	Remark
Running status	Power on/off	-
	Load/Work	-
	hibernation	-
WI-FI	Network configuration	MQTTS
	Command reception	
	Data reporting and firmware upgrade	
Bluetooth	Broadcast and Connection	-
	Firmware upgrade	
	Command reception and data reporting	
Device Interaction	Voice and indicator light	-
storage	Door lock status	-
	latch angle	
	Door opening angle	
	certificate	
	Logs and peripheral information	
clock	Regular calibration	-
Device reset	Supports both hardware and software reset	-
Security Mechanism	Transmission security	Key negotiation mechanism
	Authentication Security	
	Content Encryption	
	Blocking prevention	
	A half-closed alarm	
Function control	Holiday mode, silent mode, alarm switch	-
	Automatic unlocking switch, automatic locking switch	

4.2 Application Matrix

Module	describe	Remark
core	Registration and Login	support
	Home maintenance and creation	support
	Equipment addition and management	support
	User Management	Multiple roles
	Voucher Management	support
	Passage Log	support
	Function panel	support
Safety	Content protection	AES-128
	Transmission protection	SSL or TLS
	Authentication protection	External certification
Personalization	widgets	support
	Work with	Alexa
	Guided and interactive animations	support

V. Manufacturer Information

Suzhou Fanxi Technology Co., Ltd.

Address: Room 101-3, Building 40, No. 666 Jianlin Road, Suzhou High-tech

Zone. Support Email: feocey@gmail.com

Website: lock.feocey.com

VI. Warranty Policy

FEOCEY smart lock products are covered by the following warranty period from the date of purchase:

electronic components	18 months
mechanical parts	36 months

1. The return and warranty policy outlined on this page applies only to purchases made directly through stores operated by FEOCEY. If you purchased our products through a third party, the return and warranty terms may differ. This policy may also vary by country of purchase due to different legal requirements and other considerations.

Products in good condition can be returned for a full refund within 30 days of purchase, regardless of the reason, except for company purchases/bulk orders, which may not be refundable. (Note: Orders of more than 10 items will be subject to penalties.)

This is considered a bulk order. The refund process will begin once the returned items arrive at FEOCEY's warehouse for inspection.

Specifically:

- Returns must include all accessories.
- The item must be in its original packaging.
- For warranty claims unrelated to quality, the buyer is responsible for shipping costs.
- If the above policies are not met, the return request may be rejected.

2. Refund requests under the 30-day money-back guarantee expire 30 days after a warranty claim is filed. For items past the 30-day expiration date, we cannot process refund requests for non-quality issues. For purchases not made directly through a FEOCEY store, please contact the retailer for a refund.

3. For warranty claims related to quality, FEOCEY will, at its sole discretion, provide one or more of the following solutions:

- Replacement parts provided
- Repair products
- Replace the product with factory-refurbished equipment (if available).
- Offer brand new products

For products that are out of warranty, you are also eligible for paid repair services. You can contact support@feocey.com for relevant information.