

Apartment Indoor Smart Lock

User manual **Smart lock**

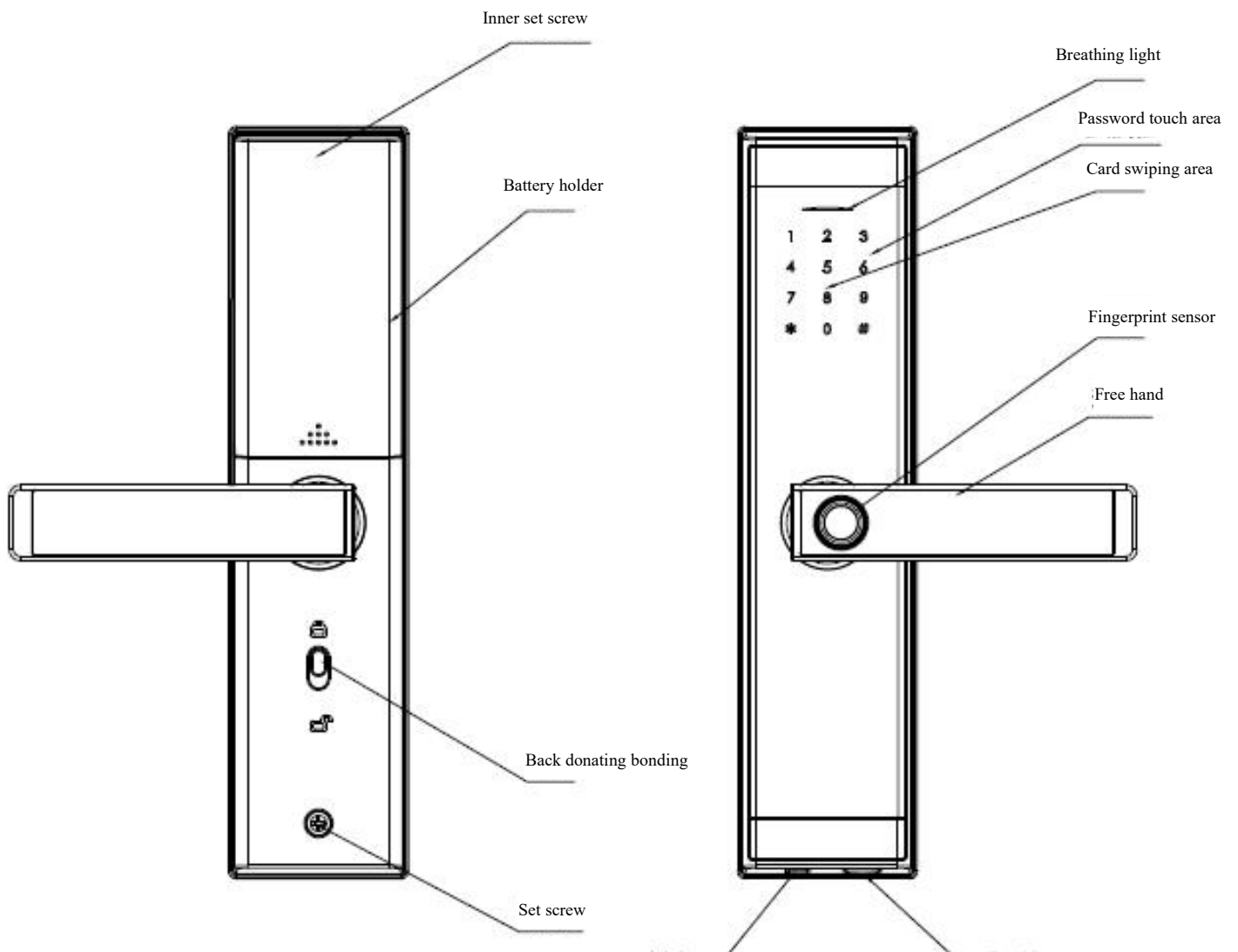
Please read this Manual carefully before installation

Please keep this Manual available for reference

- I. Preface
- II. Product Features
- III. Technical Parameters
- IV. Installation Guide
- V. Door Lock Setting
- VI. Product Warranty

Installation Instruction

The legend is for reference only, not a physical product, subject to the actual situation.



Foreword

To use the smart lock correctly, please read the Manual carefully before installing and using this product for the first time.

For the actual specifications and configurations of the product herein, please refer to the relevant agreements or consult the product vendor.

In case that you fail to operate according to the instructions in the Manual, or allow non company technicians to repair or change the product, we will not be responsible for any damage caused thereby.

The graphics and charts herein are only for explanation, which may differ from the actual product. In addition, the actual specifications and configurations of the product may be changed from time to time as needed, so there are differences from the contents of this Manual. The actual product shall prevail.

To provide better service, the products and contents herein will be updated, improved, or modified at any time without further notice.

In case of any inconsistency between the actual situation of this product and this Manual during use, or any need to obtain the latest information, or any questions or ideas, please contact our After-sales Service Department.

Product characteristics

Security and modern management of residences, offices and smart apartment communities. In response to the security and modern management needs of residential, office, and smart apartment communities, we have launched the smart door lock with the form of fingerprint + card swiping + password + APP + key. With advanced fingerprint identification, contactless card swiping and password as the door key, it also has a variety of door modes to choose, and is characterized by more flexible, convenient and secure!

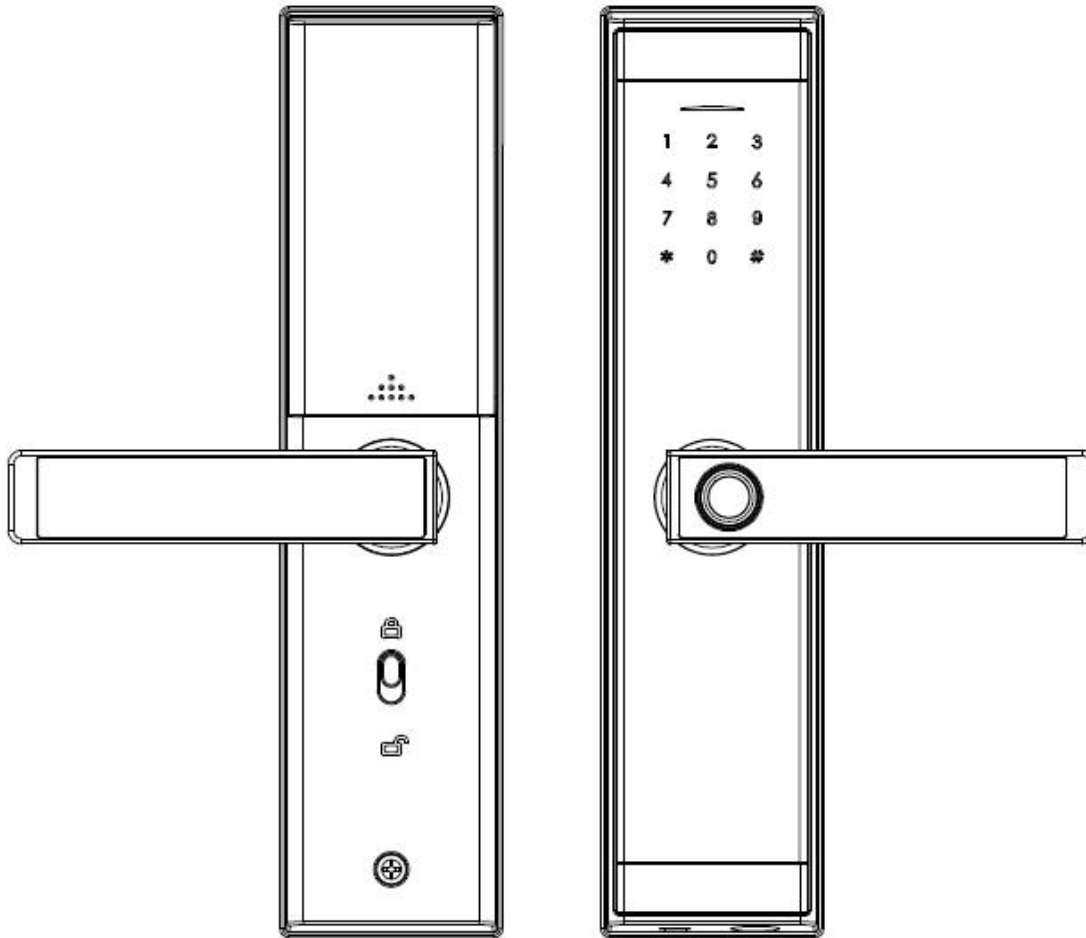
- You can use fingerprints, cards, passwords, keys to open the door.
- A variety of door models are available to enhance the safety level of door locks.
- Password anti-peeking function
- It has the boot self-test, intelligent identification function module, quick matching function, such as fingerprint + password or card swiping + password, etc.
- All components are made of high-quality raw materials, with stable and reliable quality.
- Door lock modules are treated with waterproof, moisture-proof and mildew proof.
- Door lock module have been tested from high and low temperature, vibration and aging to adapt to the bad environment.
- In case of installation and use in a special environment, it is necessary to determine whether the installation is feasible based on the actual situation.

Technical Parameters

Bluetooth Standard	Bluetooth 5.0 BLE	
Supported mobile phone system	Android 4. 3/IOS7. 0 above	
Power supply mode	4 cells of alkaline dry batteries	
Low alarm voltage	4. 8V±0. 1	
Voltage range	4. 5~9V	
Standby current	90 microampere	
Operating current	Less than 200 mah	
Unlocking time	≈1. 5s	
Operating temperature range	-20 to 70 °C	
Button type	Capacitive touch key	
Password quantity	User-defined and permanent password	150
	Other dynamic passwords	Unlimited
Supported card types	MIFARE MI card	
IC card quantity	200 sheets	
Unlocking way	App, password, fingerprint, IC card, mechanical key, remote control	
Motor interface output voltage	Battery voltage reduction 0.3V	
Fingerprint sensor type	Semiconductor fingerprint head	
Fingerprint capacity	120 pieces (adjusted according to the actual model)	
False accept rate (FAR)	<0. 001%	
False reject rate (FRR)	<1. (M	

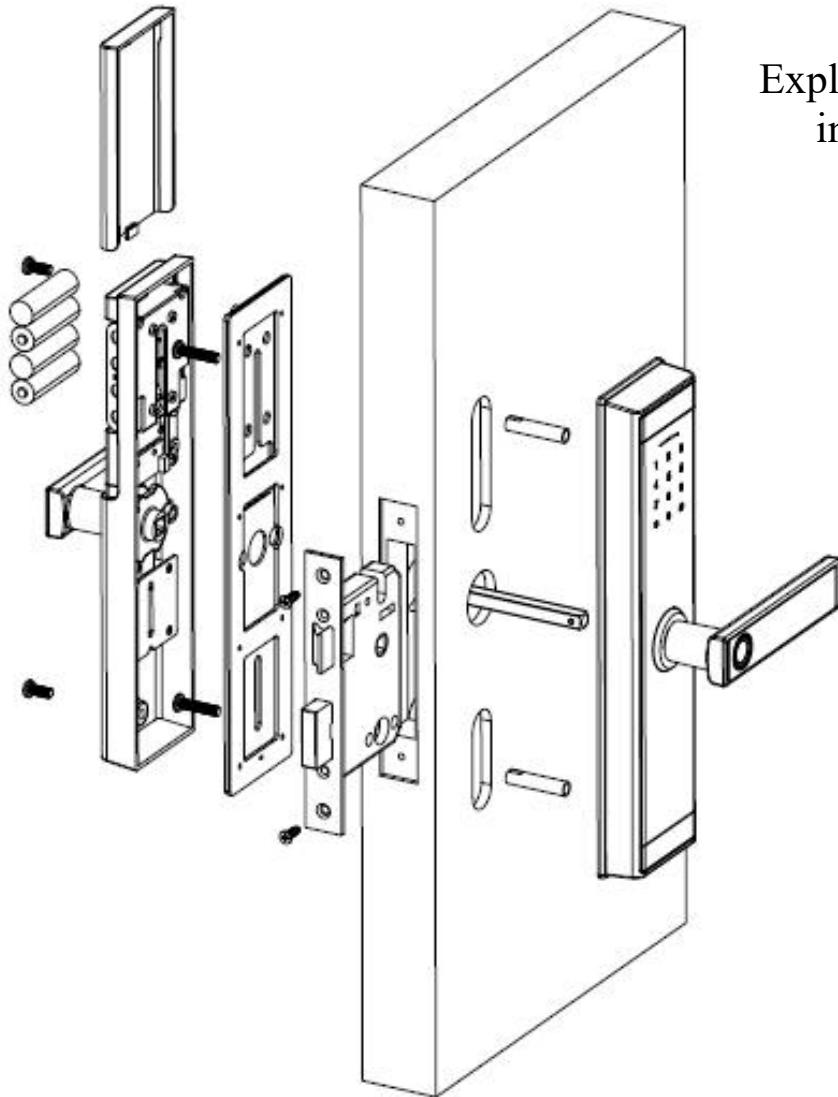
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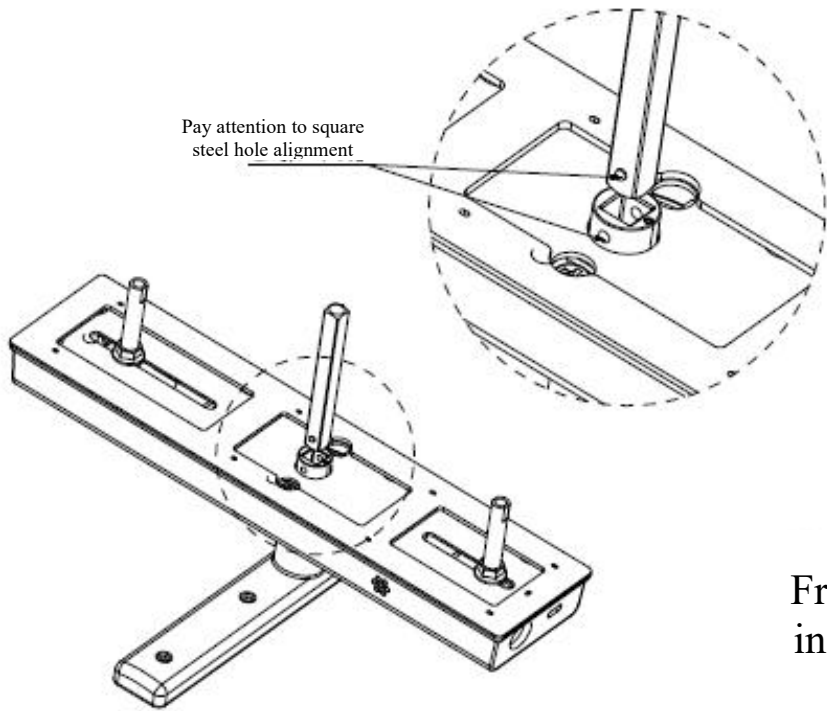
Front view



2

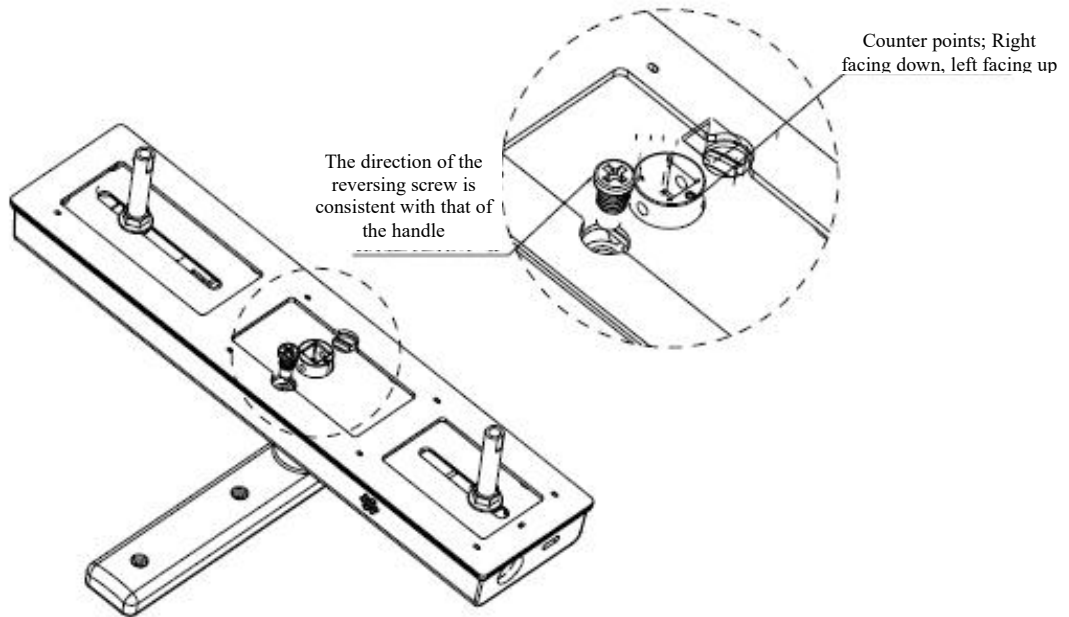
Exploded view of installation

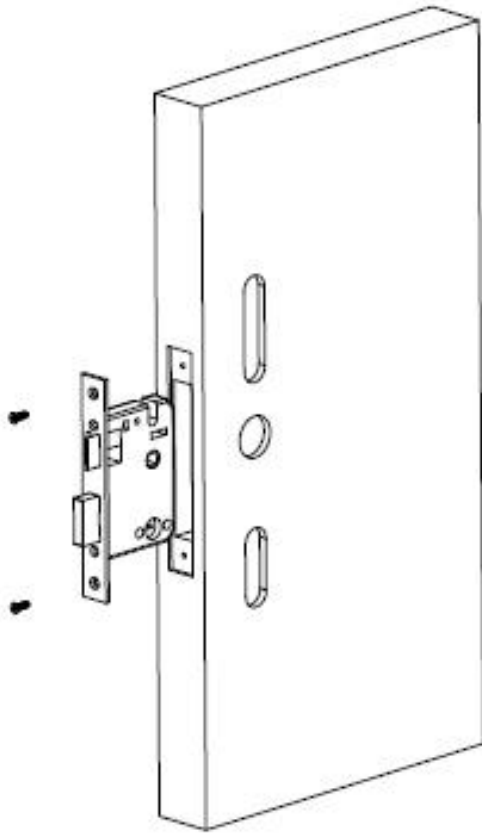




3

Front panel installation



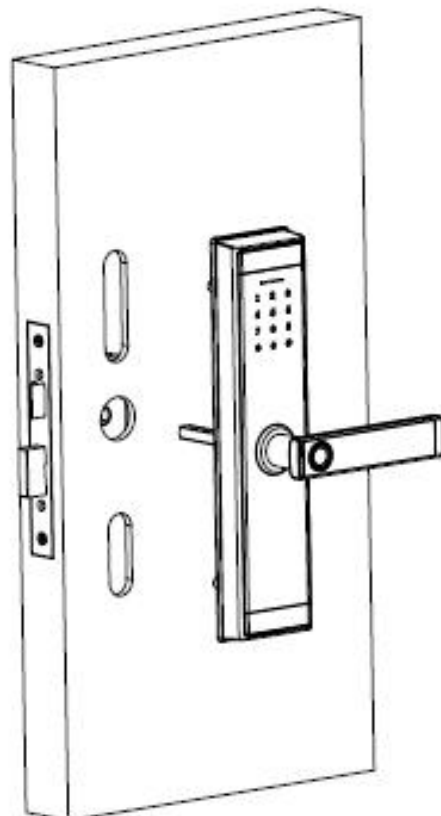


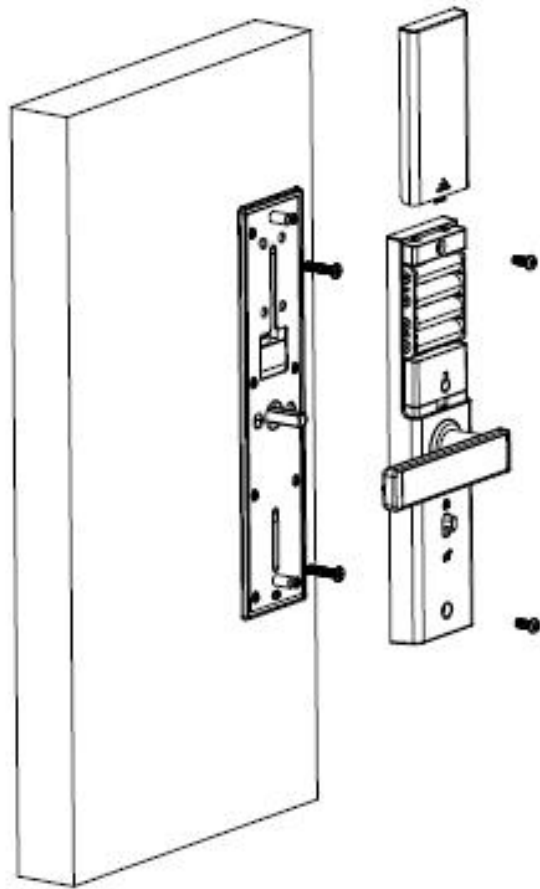
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Lock body
installation

5

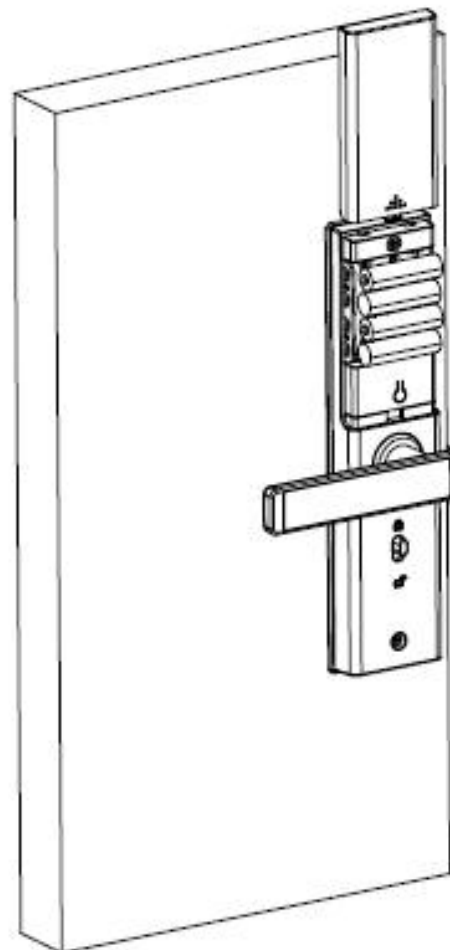
Front panel
installation





6

Back lock
installation



Product setting

Lockup operation

Functions	Operation
1. Restore factory settings	Long press the reset button on the lock, hear "Please enter the initialization password", enter 000#, the lock will be restored to factory settings, and clear all fingerprints, passwords, cards and mobile phone administrators.
2. Set the administrator password	<p>If no administrator password is set and no mobile administrator is added, enter *12#123456# -> enter the administrator password # → enter the same password # again.</p> <p>Note: When mobile App management is used, this step is not required.</p>
3. Modify the administrator password	<p>Select the lock on the App → click settings → click "administrator unlock password" → enter a new administrator password.</p> <p>Note: It must be operated on the lock edge.</p>
	Change the administrator password by entering *12# old administrator password # new administrator password # same new administrator password # on the lock keyboard.

Product setting

4. Add a mobile administrator	<p>When the administrator password is not set and the mobile administrator is not added, touch the panel, hear "Please add the mobile phone (bluetooth) administrator", and add the door lock on the App.</p> <p>After setting the administrator password or adding the mobile administrator, you can enter *83# administrator password # on the lock to make the lock enter the mode of adding the mobile administrator again, you can allow other APP accounts to add this lock and become the new administrator ^</p> <p>Note: After the new APP account adds an administrator, the lock under the previous account will be automatically deleted, that is, only one level 1 mobile administrator is allowed.</p>
5. Delete the mobile administrator	<p>Select the lock you want to remove from the phone administrator in the APP, click Settings, click Delete ^</p> <p>Note: After the administrator is deleted from the APP, the lock is restored to factory settings, and all fingerprints, passwords, and cards added before are invalid.</p>
6. Add fingerprint	<p>On the App, click "Fingerprint" → add fingerprint → enter the fingerprint name and validity period → click next step → click start to add → press your finger multiple times on the fingerprint collector according to the phone screen and voice prompts.</p> <p>Enter *80# → enter administrator password # → press your finger multiple times on the fingerprint collector as prompted.</p> <p>Note: The fingerprint added directly to the lock can be uploaded to the app through the "Upload fingerprint in the lock" function for management.</p> <p>After the fingerprint is added to the lock successfully, you can continue to add other fingerprints, or press the * key or wait for time out to exit the adding mode.</p> <p>Note: 5.0.1 (including) or above firmware versions support this function.</p>
7. Fingerprint deletion	<p>Click fingerprint on the App → click the fingerprint you want to delete → click Delete. Note: It must be operated on the lock edge.</p> <p>Enter *70# Administrator password # on the lock to remove all fingerprints.</p>
8. Rename the fingerprint	<p>On the App, click "Fingerprint" → click the fingerprint you want to rename → click name → enter a new name</p>
9. Change the fingerprint validity period	<p>Click "Fingerprint" on the App → click the fingerprint whose validity period you want to change → click the validity period → enter a new validity period → click Save</p> <p>Note: After the validity period is set, the fingerprint can only be unlocked</p>

within the specified validity period. It must be operated on the lock edge.

Product setting

10. Add the password	<p>Click "Get Password" on the App -> select password type: User-defined → select expiration date → click password setting → enter the password you want to add</p> <p>Note: "User-defined" passwords must be operated on the lock edge</p> <p>Click "Get Password" on the App -> select password type: Permanent/Term/Once/Empty/Cycle → Click to get password</p> <p>Note: These types of passwords do not need to be operated on the lock edge</p> <p>Clear Password is used to delete all valid passwords on the lock</p> <p>Enter *80# on the lock → enter the administrator password → enter the new password you want to add → enter the same password again</p> <p>Note: If the password is directly added to the lock, you can upload the password in the lock in the Password Management of APP → upload the password to the APP for management.</p> <p>After the password is added to the lock successfully, you can continue to add other passwords, or press the * key or wait for time out to exit the adding mode.</p> <p>Note: 5.0.1 (including) or above firmware versions support this function.</p>
11. Delete passwords	<p>Click "Password Management" on the App → Click the password to be deleted → Click Delete.</p> <p>Note: It must be operated on the lock edge.</p> <p>Enter *71# Administrator password # on the lock and delete all unlocking passwords (administrator passwords are not deleted) ^</p>
12. Password modification	<p>Click "Password Management" on the App → click the password you want to change → click the password → enter a new password.</p> <p>Note: It must be operated on the lock edge.</p> <p>Enter *10# Old password # New password # New password # Change password on the lock (for administrator password change, please use *12#)</p>
13. Rename the password	<p>On the App, click "Password Management" → click the password you want to rename → click name → enter a new name</p>
14. Change the password validity period	<p>Click "Password Management" on the App → click the password whose validity period you want to change → click the validity period → enter a new validity period → click Save</p>

	Note: It must be operated on the lock edge.
15. Add IC card	Click "IC Card" on APP → add IC card → enter the name and select the validity period → click "Confirm", and then swipe the card to add.

Product setting

	<p>Note: It must be operated on the lock edge.</p> <p>Enter *80#→ Administrator password # on the lock, then swipe your card to add.</p> <p>Note: IC card added directly to the lock, you can upload the IC card in the App "IC Card" → Upload the IC card in the lock to the APP for management</p> <p>After IC card is added to the lock successfully, you can continue to add other passwords, or press the * key or wait for time out to exit the adding mode.</p> <p>Note: 5.0.1 (including) or above firmware versions support this function.</p>
16. Delete IC card	<p>Click "IC Card" on the App → click the card to be deleted → click Delete.</p> <p>Note: It must be operated on the lock edge.</p> <p>Enter *69# Administrator password # on the lock to remove all IC cards.</p>
17. Rename the IC card	<p>On the App, click "IC card" → click the IC card you want to rename → click name → enter a new name</p>
18. Modify the IC card validity period	<p>Click "IC card" on the App → click the IC card whose validity period you want to change → click the validity period → enter a new validity period → click Save</p> <p>Note: It must be operated on the lock edge.</p>
19. Unlocking	<p>APP unlocking: Click the lock icon on the App to unlock it.</p> <p>Note: The lock must be unlocked on the lock edge, and when there is a gateway, you can also open the remote unlocking function on the lock for remote unlocking (the remote unlock is closed by default).</p> <p>Touch unlocking: When the APP opens "touch unlocking", open the App and touch the lock to unlock.</p> <p>IC card unlocking: Place the added IC card in the card swiping area to unlock it.</p> <p>Fingerprint unlocking: Press the added finger on the fingerprint collector to unlock.</p> <p>Password unlocking: Enter the unlocking password on the keyboard and press # to unlock it.</p> <p>Note: During password input, you can press the * key to delete the last digit entered</p> <p>If no administrator is added, the default unlock password is 123456.</p>

Product setting

	Remote control unlocking: After the remote control is matched in the APP, press the unlocking key to unlock and press the locking key to lock.
20. Locking	After unlocking, automatic locking for 5-second timeout (excluding temporary normally open). In normally open mode, press and hold the # key to lock.
21. Temporary normally open	After unlocking (before locking), enter 123#, the lock is normally open, and the locking state is restored after unlocking timeout.
22. Check the unlocking record	Select the door lock on the App and click the operation record to view it. Note: When there is no gateway, the unlocking record of fingerprint /IC card/password can be viewed only after unlocking through the App. Click a fingerprint /IC card/password on the App, click operation record, view all records of this fingerprint /IC card/password.
23. Virtual password	You can add other digits before and after entering the correct password on the lock. The total length of the virtual password is 16 characters.
24. Password error protection	If an incorrect password is entered for five consecutive times, the system locks the password keyboard. If the password is unlocked for a timeout of two minutes, the keyboard is unlocked. During locking, App/fingerprint/IC card unlocking can unlock the keyboard lock state.
25. Low battery warning	When the battery voltage is lower than 48 V, touch the panel until it becomes light, the voice prompts "low battery, please replace the battery", and the backlight of the screen blinks quickly for 1 second. Fingerprint /IC card/password before unlocking, voice prompts "low battery, please replace the battery", and then unlock.
26. * key	In the process of password input, press the * key once, you can delete the last entered password number. After all deleted, if it is in the add mode, you can exit this mode, and after all the entered numbers are deleted, press the * key three times, the screen is off.
27. Firmware upgrade	The lock can be upgraded through the app. Click settings → Lock Upgrade on the App to upgrade the new firmware of the lock. Note: It must be operated on the lock edge.
28. Demo mode	Demo mode is turned off by default. If no administrator is added, enter 24679# on the lock to open the demonstration mode. After the demo mode is opened, any fingerprint and password 123456 can be unlocked. After setting the administrator password or adding the mobile administrator, the demon mode will be automatically closed.
29. Voice switch	Chinese voice: Enter "*39# Administrator Password #1#" on the lock. English voice: Enter "*39# Administrator Password #2#" on the lock.

Product setting

	Note: If no administrator is added, set the administrator password to 123456.
30. Aging test	If no administrator is added, enter 35896# to start the motor aging test, enter 35896# again or re-power on to exit the motor aging test.
31. Lock sound	The lock sound can be turned off in the App. When the lock sound is turned off and the key is touched, the screen will flash to indicate that the key is pressed.

Supporting APP

We provide "Sciener," "TTLock", "TTRenting" and other apps to manage the door lock, supporting Chinese, English, Spanish, French, German, Italian, Russian, Portuguese, Dutch, Polish, Slovak, Serbian, Vietnamese, Malay, Japanese, Korean, Bulgarian, Hebrew, Czech, Swedish, Arabic, Czech and many other languages, and Cloud server D App is arranged in Alibaba Cloud and Amazon Cloud, which can be downloaded through AppStore or "Myapp", or downloaded by scanning the QR code.

1. Sciener



a) Download QR code

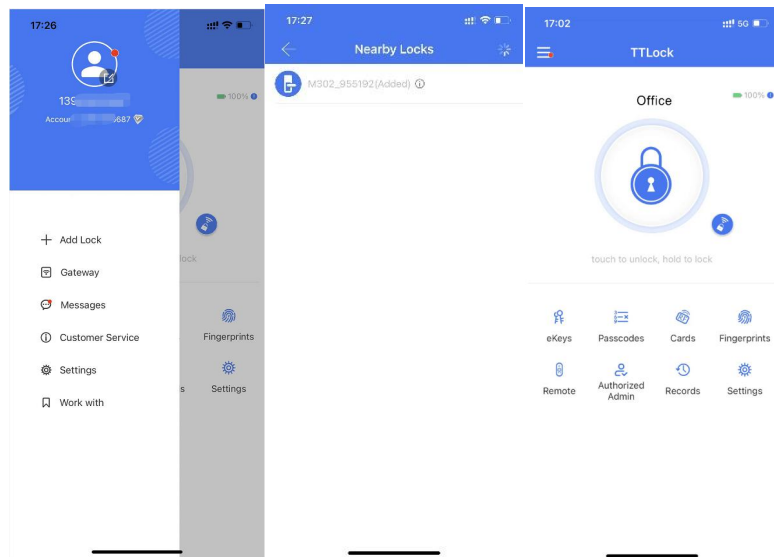
2. TTLock

a) Download QR code



b) Interface

Product setting



3. TTRenting

a) Download QR code



b) App interface



4. hotel.sciener.com

Product setting

Open platform interface

The Sciener open platform provides OpenAPI to realize the docking with the business management system, the association between the house and the door lock, electronic key sending, password sending, unlock record viewing and other related functions of the door lock management.

The following table describes the main interfaces provided by OpenAPI.

Module	Interface	Description
Account management	Registration	Register Sciener account No.
	Login	Login Sciener system
	Obtain user information	Obtain the user's profile picture and other account information
Door lock management	Obtain a list of door locks	Obtain a list of door locks managed by the user
	Binding administrator	Add door locks and set administrators
	Unbinding the administrator	Unbinding the administrator with the door lock
	Obtain lock status	Obtain the switch and power status of the door lock
Key management	Send key	Send the electronic key to the user

Product setting

	Download key	Users download electronic keys sent to themselves
	Obtain a list of keys	Obtain a list of door locks or users' electronic keys
	Delete the key	Cancel the sent key
	Freeze key	Disable the key temporarily
	Defrost key	Reactivate the frozen key
	Locking records	Obtain records of using the electronic key for door lock
Password management	Send the password	According to the version of the door lock, the password is generated in different ways, and a short message is sent to notify the recipient Password validity period Permanent, duration, single time
	Password records	Obtain the password sending record

APP SDK

Sciener provides iOS and Android versions of the SDK, easy to customize the APP, integrated door lock operation function.

The following table describes the main interfaces of the DAPP SDK

Module	Interface	Description
Initialization and authorization	Initialization	Example of initializing the interface
	Authorization	Perform authorization operation
Bluetooth communication	Enable bluetooth	Enable mobile phone bluetooth

Product setting

	Search for a device	Search the nearby bluetooth device
	Stop scanning	Stop scanning nearby bluetooth device
	Connection device	Connect
	Connect bluetooth device	Disconnect bluetooth connection
	Obtain lock version	Obtain the lock version information
	Add the administrator	Add administrator information to the lock
	Administrator unlocking	Administrator unlocking instructions
	Electronic key unlocking	Electronic key unlocking instructions for ordinary users
	Set the administrator password	Set the keyboard password used by the administrator to the lock
	Calibration clock	Standard time is used to correct the lock clock
Method of callback	Authorization callback	
	Discover the device callback	
	Connect device callback	
	Disconnect callback	
	Obtain the lock version callback	
	Successful callback of adding the administrator	

Product setting

	Successful callback of unlocking	
	Successful callback of setting administrator password	
	Successful callback of calibration clock	
	Error callback	

FCC Statement:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.

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 and your body.

Product Warranty

Dear users,

Thank you for using our products. We will provide a two-year warranty service.

Within two years from the date of purchase, in case of a performance failure that is not caused by human damage, you can contact us for repair with the proof of purchase and written warranty.

We provide after-sales warranty in the following situations:

1. In case of any quality problem within 1 month from the date of purchase, the product can be replaced with a new one (both parties shall bear half of the freight for the replacement)
2. In case of any quality problem within 1 year of use, we will replace the corresponding accessories according to the actual situation or provide corresponding technical guidance for replacement;
3. In case of any quality problem within 1-2 years of use, we will replace the corresponding accessories according to the actual situation (the corresponding fees incurred will be charged according to the actual situation)
4. Under one of the following circumstances, a paid repair is required:
 - (1) Beyond warranty period;
 - (2) Inconsistency between the warranty content and the actual situation of the physical object;
 - (3) Damage caused by installation, use, repair, and maintenance not in accordance with the specified correct guidance requirements;
 - (4) Repair and installation in unauthorized units;
 - (5) All man-made damage, immersion, smashing, etc., or those caused by force majeure.

The corresponding expenses incurred during the warranty and after-sales maintenance shall be negotiated by both parties based on the actual situation.

Note: Do not leave the spare key indoors!

It is recommended to place the spare key in another outdoor location for emergency unlocking!